

# Results of the 2004 CQ WW DX SSB Contest

BY BOB COX,\* K3EST

## Expanded CQ WW Contest Results on the Web

We've moved a few elements of our contest reporting onto the CQ website again this year, including **Station Operators** of Multi-Op stations, **Team Contesting**, and **Zone Leaders/Single Op**. In addition, we have expanded **QRM** on the web.

To view these additional and expanded elements of the 2004 CQ WW SSB results, go to <<http://www.cq-amateur-radio.com/cqwwhome.html>>, then click on "Expanded Results, 2004 CQ WW SSB" and select the category you want to see. You may also get there by going to our home page at <<http://www.cq-amateur-radio.com>>, clicking on "Contest Rules & Info," then clicking on "CQ World Wide DX Contest" and selecting "Expanded Results, 2004 CQ WW SSB."

The 2004 CQ WW DX SSB test was a real surprise. The sunspots were really going down and depressed conditions were expected. What happened gives truth to the saying "The CQ WW makes its own propagation." Ten meters being open worldwide was a gift from the sun. The 2004 contest marks the highest number of submitted logs in radio history. Over 4300 SSB logs in the world's largest international radio event had been received when everything was tabulated.

Let the entrants' own words describe the weekend: "As usual 10m opened to make it a great contest." . . . 9H1DE. "Good contest, very nice conditions on all bands especially on 20 meters all the night in both days." . . . CE4PBB. "Big fun because of big activity all

over world!" . . . DL2RZG. "Once again, another glorious weekend." . . . EA3ALV. "Good condx meant fun with only 100W and a short bit of wire." . . . EI2JC. "A fantastic adventure!" . . . FP/VE7SV. "Wow! Totally unexpected 10/15m condx." . . . GW3JXN. "Amazing. Many new countries." . . . HK3JFF. "Wow, what a funny contest! Great conditions on 10m, way beyond expectations, led us to our best ever score." . . . J49Z. "Super conditions for this time in the cycle." . . . VE6FI. "Who ever expected 10m to be as hot as it was?" (VK4CZ). "Great contest. We turn ourselves into zombies. We end up with a hoarse voice. We deny ourselves sleep. We are hungry. We are thirsty. It still remains a great contest." . . . VK7VH. "The 10 meter god smiled upon us." . . . ZK1AQT.

Sure the CQ WW is a fantastic competition, but it is much more than that. It is a cel-

ebration of ham radio skills and effort. As VP2E aptly said, "We contest for the fun of it. It is certainly nice to win, but it's great to operate, win or lose. If you operate, you can't lose. You only lose when you don't. It's a worldwide party . . . and you are definitely invited!"

## All Band, High Power

After operating from locations all over the world, Jim, W7EJ, seems to have found a winning location at CN2R. Located near Casablanca, CN2R took the number one position in the hotly contested Single Op All Band category (<<http://radioamateurs.he-arc.ch/cn2dx/articles/contest/>>). This is the first time two SO stations broke the 20-million point barrier. Second place went to AI, 4L5A, operating D4B from his hilltop location in the Cape Verde Islands (<<http://www.qsl.net/d44tt/>>). Both stations pounded through on all bands. Third place went to Tom, W2SC, who again put 8P1A near the top. A special mention goes to Robert, S53R, operating A61AJ, the number one score in Asia. He set a new all-time Asia record! The second place Asia score was submitted by Andy, UA3DPX, at EX9A.

The number one score in Europe and number six world was Robert, G10KOW, using the call G11W. Robert averaged 132+ Q's per hour over the 48 hours! It was during the contest that the UK received 40-meter privileges above 7100 kHz. Robert and others took full advantage of running simplex. To find second place just QSY slightly east to Steve, GW4BLE's QTH. Once again Steve did an outstanding job. Third place went to Tine, S50A, located just outside Ljubjana, Slovenia.

For a U.S. station, making the top ten in the U.S. is hard enough, but making the world top ten is a real accomplishment. The number one scorer in the U.S. was Ken, K4ZW. As you may have noticed, he has been working his way up in the standings. Now he stands as having the best U.S. score, and he is *not* from New England, which makes his score even more remarkable. Perennial top ten finisher, Bob, KQ2M/1, finished second. Third place was taken by Gator, N5RZ, operating at K5ZD/1. Farther west Mike, W9RE, put the Midwest in the box, while Steve, N2IC/5, operating from New Mexico and Mitch, K7RL, from Washington represented the U.S. far west. It's not an easy task to make the top ten from Zone 3.

The continental winners were: North America 8P1A (W2SC), Africa CN2R



The shack of K3LR, new U.S. record holder, Multi-Op, Two-Transmitters.



Chris, KA1LMR, number two U.S. QRP.

(W7EJ), Asia A61AJ (S53R), Japan JS3CTQ, Europe GI1W (GIØKOW), Oceania, VK9XD (VK2CZ), South America P49Y (AE6Y).

### All Band, Low Power

The category that has the greatest number of participants by far is Low Power. To win this category is not easy. Reprising his win from last year was Thomas, SU9NC. Nothing makes contesters happier than coming across a double multiplier. SU9NC was able to supply that 5601 times! Second place went to European traveler Danny, T93M, who visited Bonaire to activate PJ4J (<http://www.t93m.com/>). Mike, K9NW, went to FG to take third place, not an easy job from a two-point area.

The number one 100 watts or less entrant in Europe was CT7B operated by Jose, CT1CJJ. The number two scorer in Europe and on the Iberian peninsula was Manuel, EA7RM. Third place went to LY9A operated by LY3BA, Gediminas. Here in the USA, Ed, N1UR, was the clear winner in the barefoot category. Taking second was Ann, WA1S (<http://home.tiac.net/~wa1s/>), who is always near or at the top. Third place went to the West Virginia QTH of Jeff, N8II.

The continental winners were: North America FG/K9NW, Africa SU9NC, Asia YI9OM, Japan JS1OYN, Europe CT7B (CT1CJJ), Oceania T30T (K7ZZ), South America PJ4J (T93M).

### QRP

If you want to practice your contesting skills, the QRP category is the way to do it. Finding new stations and knowing when to call a station or to give up and move on is what QRP is all about. It is surprising what you can work with 5 watts. If you want to improve your contesting skills, the QRP category could be the refresher course you need.

Again in 2004 the top three scores came from different continents. The world number one QRP signal was put out by John, KK9A, operating at P40A. John has been very active from Aruba for several years. Following in second place was Gerard, F5BEG, who has been a high-place finisher in QRP many times. Third place in the world and number one in the U.S. was Tom, N4KG, operating from Alabama. In Europe first place went to

Remi, LY2MW, operating LY4XX (<http://www.qsl.net/ly2mw/>). Second place went to Juergen, DF1DX (<http://www.df1dx.de/>). Third place in Europe went to Bengt, SM5CCT, operating club station SK3W (<http://sk3w.shacknet.nu/gallery/>). Chris, KA1LMR, finished number two in the U. S. (<http://hometown.aol.com/ka1lrmusa/myhomepage.html>), while John, KO1H, was third. Finishing just outside the top ten box were JR4DAH and UA9SG.

The continental winners were: North America N4KG, Africa EA8TX, Asia JR4DAH, Japan JR4DAH, Europe F5BEG, Oceania YB2OK, South America P40A(KK9A).

### Assisted

When a single op receives QSO/multiplier spotting assistance from a source in any form, that operator is in the Assisted category. There are lots of reasons to try this category. You have to make the best use of spots without it affecting your QSO total. It's not easy to do.

The 2004 world top score came from John, W2GD, operating from P40W. John has been putting P4 on the map for many years. Everyone appreciates his dedication to contesting. A hard-fought battle ensued for second place, which was taken by Hrane, YT1AD, operating 3V8BB. He was followed by Laurent, F5MUX, at FM5BH (<http://www.fm5bh.com/>). In the USA first place went to Rick, K3OO. Ray, W2RE, took second place (<http://www.hamsonline.net/w2re>). Charles, K3WW, took third (<http://www.users.fast.net/~k3ww/>). In Europe the number one score was submitted by Andre, F6GYT, at TM7F. Farther east in second place was Rolandas, LY2FY, at LY4A (<http://ly4a.kli.lt>). Braving the northern lights was Ari, OH5DX, at OHØZ, who took third (<http://www.qsl.net/oh0z/>).

The continental winners were: North America FM5BH, Africa 3V8BB, Asia RG9A (UA9AM), Japan JE1OHL, Europe TM7F (F6GYT), Oceania AH6RF, South America P40W (W2GD).

### Multi-Single

Each year contesters band together and travel to compete in a multi category, of which Multi-Single is the most popular. A real battle occurred in the Multi-Single category in the 2004 contest. Three FB stations with top operators went head to head. The international team from Pantelleria Island, IH9P, took the top position (<http://www.ih9p.com>). Another African team located in the Madeira Islands, CQ9K, took second place (<http://www.madeirateam.com>). Not far behind was FY5KE, who took world third place (<http://www.fy5ke.org/>).

MS in Europe was a real fight. The top four teams from central Europe were separated by less than 560K. After it was finished, OM8A took top honors (<http://www.qsl.net/om8a/>). Second place went to OE2S (<http://www.qsl.net/oe2s/>). Another Slovakian team, OM7M, took third (<http://www.qsl.net/om7m>).



Pedro, HK1XX, number two in the world, Single Op, 14 MHz.

No less of a battle took place in the U.S. KT1V edged out K1K1 ([http://www.yccc.org/Articles/K1K1\\_Profile.html](http://www.yccc.org/Articles/K1K1_Profile.html)) for the top slot. Third place went to K1IR (<http://www.designet.com/k1ir>).

The continental winners were: North America VY2ZM, Africa IH9P, Asia 5B/AJ2O, Japan JA7YAA, Europe OM8A, Oceania AH2R, South America FY7KE.

### Multi-Two

The M2 category continues to grow in popularity. You have to have a good plan and good operators if you want to try for the top spot. You cannot do better than to set a new world record the first time you enter a new category, and VP2E did it in the 2004 contest. These operators didn't just break the old record, they really raised the bar. Look at the score and you will be amazed. VP2E made a score in the range usually reserved for Multi-Multi stations—40M points. The team did it from a two-point area! The Caribbean Contesting Consortium, PJ2T, always a force to watch out for, took second place (<http://www.pj2t.org>) and CT9L took third. Not far from Bologna, IR4X (ne IQ4A) entered the M2 group and took top European honors (<http://www.ari-bo.it/iq4a.htm>). Second place went to 9A7A (<http://www.qsl.net/9a7a>) and third to UU7J (<http://www.uu7j.com>).

In the USA, new ground was being broken in western PA. The team at K3LR huddled together before the contest and decided to try for something completely different: M2: A good decision. K3LR set a new USA M2 record. Their score was just below the USA MM's! What a job (<http://www.k3lr.com>). On the other side of PA, Sig's team, N3RS took second place (<http://www.n3rs.com/main.html>) while Paul's team, K4JA in northeastern VA took 3rd. A special mention must be made of the fine effort of NK7U to finish USA high west of zone 5. The continental winners were: North America VP2E, Africa CT9L, Asia RT9W, Japan JA1KQX, Europe IR4X, Oceania VK4CZ, South America PJ2T.

### Multi-Multi

Take a lot of work, a lot of planning, and people coming from all corners of the world and

you have a multi-multi team. In 2004 the number one scoring team was assembled at the QTH of Manu, EA8ZS. Taking full advantage of their proximity to Europe, EA8ZS scored over 44M points (<http://www.qsl.net/ct1boh/ea8zs.htm>). Second place went to perennial top finisher HC8L from the Galapagos. Moving to northeast North America, VE7SV and crew had a fantastic time putting FP/VE7SV in lots of logs for third-place world ([http://www.bcdxc.org/st-pierre\\_miquelon.htm](http://www.bcdxc.org/st-pierre_miquelon.htm)).

Taking the top spot in Europe was 9A1A. Operating from a mountaintop QTH, 9A1A always had a good signal. Second-place Europe went to the club with quads—DF0HQ (<http://www.df0hq.de>). DF0CG, a well-known German club station, took the third-place position. In the U.S., W3LPL located in central Maryland was the high scorer (<http://homepage.mac.com/rucker/PhotoAlbum46.html>), just edging out KC1XX. Operating from just inside the aurora zone, KC1XX's super station took second place (<http://www.kc1xx.com>) while K9NS (<http://www.k9ns.com>) took third.

The continental winners were: North America FP/VE7SV, Africa EA8ZS, Asia UP5G, Japan JA3YBK, Europe 9A1A, Oceania KH7X, South America HC8L.

## Team Contesting

What do five contesters from anywhere in the world have in common? Besides the fun of contesting, they can form a team. Make a team, register your team before the contest, and you are all set to enter the Team Contesting category. A teams' members can be all over the world. This year's SSB winner was a repeat from last year—Contest Club Finland's Team Sauna. The sauna really heated up! They led the pack of 18 entries.

1. Contest Club Finland Team Sauna (15,906,643 pts.): OH0Z (OH5DX), OH2RA, OH6NIO, OH8NC, ES5TV.

2. Florida Contest Group On The Move (12,062,347 pts.): PJ4J (T93M), OM6NM, KG4WW (KX4WW), VP5DX (NU4Y), N8PR/4.

3. Worldwide Young Contesters Champs (9,458,023 pts.): K3OO, G0MTN, 9A7P.

4. VK Contest Club Australis (5,688,634 pts.): VK9XD (VK2CZ), VK7GN, VK4UC, VK3TZ, VK4TI.

5. VK Contest Club Koalas (3,781,079 pts.): VK6DXI, 9M2/G4ZFE, VK6LW, VK4DX.

6. Florida Contest Group Part-Timers (3,359,656 pts.): AA4RX, N4EK, K4JAF, NA4CW, WC4E.

7. Florida Contest Group (3,204,994 pts.): K1UM/4, W4ARM, N4WW.

8. Worldwide Young Contesters Part Time Job (3,178,054 pts.): OZ1AA, 9A1P, 4L6AM.

9. Florida Contest Group Feeder Bands (3,142,266 pts.): K4XS, K4VUD, N4BP.

10. Florida Contest Group With New Antennas (2,205,095 pts.): WX4G, KK4TA, K4RFK, KB4ET.

11. Contest Club Finland Team Finlandia (2,006,118 pts.): OH4A (OH6XX), SM0W (SM0WKA), ZA/OH2PM, ZA/OH2BH.

12. Contest Club Finland Sibelius playing



Thomas, YC3BDJ, number 6 world, Single Op, Low Power, 21 MHz.



The QTH of Philippe, LX7I (LX2AJ), number two world, 3.7 MHz.

15 meters (1,761,987 pts.): OH0V (OH6LI), OH2BH (OH1WZ).

13. Florida Contest Group Generating Heat (1,359,706 pts.): K4PV, N4GI, W7QF, WB2QLP/4.

14. Worldwide Young Contesters Hell Riders (895,169 pts.): DM2SR, ON7BS, DJ7EC, M3PHP, LZ1ABC.

15. Contest Club Finland Team Terva (445,115 pt.): OH1BOI, OH2LU, OH6XX (OH6GLE).

16. Aztecas New Kids (304,557 pts.): XE1NK, 4A1UN (XE1UN).

17. VK Contest Club Cockatoos (274,860 pts.): VK3DBQ, VK4AN, VK3YB.

18. Contest Club Finland Team Sisu (210,348 pts.): OH4RH, OH4MFA.

## Records

On the CQWW.com web page are the all-time records for each continent and country. Setting a new record is difficult and challenging. Take a look at your country's records and choose a record you can try to beat. Congratulations to the following stations which set new world and continental records.

World: L1.8, YM0T (TA2RC); Q7, KP4KE; Q1.8, LY5A (LY2PAJ); A14, 4L6AM; A3.7 YU7AV; M2 VP2E.

Africa: 14m D44TD (IV3TAN); QA, EA8TX; A14, EA8BVX; A21 EA8ANE.

Asia: A, A61AJ (S53R); L1.8, YM0T (TA2RC); A14, 4L6AM; M2, RT9W.

Europe: 3.7, SP3GEM; Q21, YT7TY; Q7, S53D (S59DR); Q1.8, LY5A (LY2PAJ); A21,

9A5Y (9A3LG); A14, DL2ARD; A3.7, YU7AV; M2, IR4X.

Japan: A14, JA1YPA (JH1FDP).

USA: L21, N2BA; L7, K3BU/2; L3.7, N4IJ; M2, K3LR.

North America: A, 8P1A (W2SC), LA, FG/K9NW; Q7, KP4KE; Q1.8, VE3MGY; M2, VP2E.

Oceania: L21, YC3BDJ; A28, AH6RF; A21, ZL2DX; A14, ZL4PW.

South America: LA, PJ4J (T93M); L14, P43E; A7, ZW5B (PY5KD); A3.7, PY2WC.

## Special Mention

The CQ WW sure brings out the desire to travel in many hams. Thanks to the many DXpeditions and the efforts of hundreds of contesters who made the contest experience more interesting for all of us. Here are some calls you probably worked: V29NR, C6AUR, 8P1A, FG/K9NW, H6C, V44/KC2FVN, NC2N/V44, V49A, FS/AH8DX, PJ7/K3TC, VQ5C, VP5DX, VP5KE, D44B, D44TD, EA9/OL8R, C56ACA, 3B8MM, CN2R, V55V, 9L1ADA, ST2T, 9J2KC, YA7X, 5B/KI0BP, YI9MD, YI9GT, EX9A, BN0F, EY8/F5NHJ, A61AJ, UK/JI2MED, 3W3A, OH0V, OH0R, ZA/OH2BH, ZA/OH2PM, EA6/LY1DF, YM0T, J43J, EI2VNO, ER0ND, ER0FEL, CT/DL5IC, 9M8YY, 9M6US, V6A, KH6/W0CN, YB0A-JR, PA0CYW/DU2, T30T, VK9XD, P49Y, ZV1R, PJ4J, 9Y4NZ, P40A, TE1W, TI5X, TI5/W8QZA, V44/EW1AR, TI5N, TI1W, TI5A, W1AJT/VE3, FM5BH, 5H3HK, 3V8BB, OH0Z, P40W, C6DX, C6AVV, VP9/W4OV, J75J, VP5X, IH9P, CQ9K, C91Z, 6W1RY, 5B/AJ2O, A52CDX, 4U1ITU, OH0I, J49Z, SY9Y, AH2R, FY5KE, 9Y4ZC, VP2E, TI8M, WP2Z, CT9L, CU2Z, PJ2T, V26B, V47KP, FP/VE7SV, VP5T, EA8ZS, XX9C, MD4K, HB0/HB9AON, IS0/I10A, HC8L, SU9NC.

One fun aspect of the contest is the competition that takes place within a country or locally. Two friends or more go at it to see who will come out on top. By looking carefully at the results you can see many such competitions.

## Comments

To anyone who tunes the bands during the CQWW it is very clear that the radio spectrum is being fully used. Use of the bands is good. With the increasing cross-continental simplex QSOs on 40 meters, even more of the spectrum will be put to use. Forty phone has always been a communications problem, whether you are in Region 1, 2, or 3. You either have too little space or must fight the broadcast carriers to make crossband QSOs.

In 2004 the percentage of electronically received logs rose to 95%! The CQWW Contest Committee wants to thank all the entrants who took the time to submit their log via the CQWW robot. Your effort to submit an electronic log allows for a fairer adjudication.

(Continued on page 99)

### TROPHY WINNERS AND DONORS

**SINGLE OPERATOR**  
**World All Band**  
CN2R (Opr. James Sullivan, W7EJ)  
Donor: Dave Rosen, K2GM  
WA2RAU and W2SKE Memorial

**World Low Power**  
Thomas Poland, SU9NC  
Donor: Slovenian Contest Club

**World QRP**  
P40A (Opr. John Bayne, KK9A)  
Donor: Jeff Steinman, N5TJ

**World Assisted**  
P40W (Opr. John Crovelli, W2GD)  
Donor: CQ magazine

**U.S.A.**  
Ken Claerbout, K4ZW  
Donor: Potomac Valley R.C. – KC8C Memorial

**U.S.A Low Power**  
Edward Sawyer, N1UR  
Donor: North Coast Contesters

**U.S.A. Zone 3**  
Mitch Mason, K7RL  
Donor: Dave Pruett, K8CC & Greg Surma, K8GL

**U.S.A. Zone 4**  
Mike Wetzel, W9RE  
Donor: Dave Pruett, K8CC & Greg Surma, K8GL

**Canada**  
VC3L (Opr. Ron Kraats, VE3AT)  
Donor: Niagara Frontier Int'l DX Assn.  
VE3WT Memorial

**Caribbean/C.A.**  
8P1A (Opr. Thomas Geogens, W2SC)  
Donor: Alex M. Kasevich, VP2MM

**Europe**  
G11W (Opr. Robert Cummings, G1ØKOW)  
Donor: Potomac Valley R.C. – W4BVV Memorial

**Europe Low Power**  
CT7B (Opr. Jose Manuel Farto Lopes, CT1CJJ)  
Donor: Scott Jones, N3RA & Tim Duffy, K3LR

**Russia**  
RK4FF  
Donor: Roman Thomas, RZ3AA

**Africa**  
D4B (Opr. Alexander Telmurazov, 4L6A)\*  
Donor: Gordon Marshall, W6RR

**Asia**  
A61AJ (Opr. Robert Kasca, S53R)  
Donor: 2 AM Dayton Pizza Gang

**Japan**  
Hiroyuki Inaba, JS3CTQ  
Donor: Tack Kumagai, JE1CKA

**Japan Low Power**  
Masaru Takahashi, JS1OYN  
Donor: Western Washington DX Club

**Oceania**  
VK9XD (Opr. David Burger, VK2CZ)  
Donor: Northern California DX Club

**South America**  
P40Y (Opr. Andrew Faber, AE6Y)  
Donor: Yankee Clipper Contest Club

**SINGLE OPERATOR, SINGLE BAND**  
**World – 28 MHz**  
Juan Manuel Morandi, LU1HF  
Donor: Joel Chalmers, KG6DX

**World – 21 MHz**  
PX5E (Opr. Sergio Almeida, PP5JR)  
Donor: Robert Naumann, N5NJ

**World – 14 MHz**  
D44TD (Opr. Alberto Annesi, IV3TAN)  
Donor: North Jersey DX Assn. – K2HLB Memorial

**World – 7 MHz**  
Joseph Cornee, F6CTT  
Donor: Fred Laun, K3ZO – K7ZZ Memorial

**World – 3.7 MHz**  
Jurek Smoczyk, SP3GEM  
Donor: Fred Capossela, K6SSS

**World – 1.8 MHz**  
Jens Rohme, OZ1DD  
Donor: Robert Wruble, W7GG

**USA – 28 MHz**  
Bill Tippett, W4ZV  
Donor: Donald Thomas, N6DT

**USA – 21 MHz**  
Bradley Petersen, NG2X  
Donor: Worldradio

**USA – 14 MHz**  
Daniel Handa, W7WA  
Donor: Southern California DX Club

**USA – 7 MHz**  
Bill Kollenbaum, K4XS  
Donor: Stanley Cohen, W8QDQ

**USA – 3.7 MHz**  
Joseph Gagliardi, AA1BU  
Donor: Alex Jozsa, KG1E

**USA – 1.8 MHz**  
Manuel Fonseca, W2MF  
Donor: CQ magazine

**Carib./C.A. (21 MHz)**  
VP5DX (James Iori, NU4Y)  
Donor: Nate Moreschi, N4YDU

**Europe – 28 MHz**  
ZA/OH2BH (Opr. Martti Laine, OH2BH)  
Donor: Worldradio

**Europe – 21 MHz**  
Jiri Sanda, OK1RI  
Donor: Tine Brajnik, S50A

**Europe – 14 MHz**  
SO2R (Opr. Kaz Drezwiecki, SP2FAX)  
Donor: CQ magazine

**Europe – 7 MHz**  
YT7A\*  
Donor: CQ magazine

**Europe – 3.7 MHz**  
LX7I (Opr. Philippe Luty, LX2AJ)  
Donor: Ted Demopoulos, KT1V

**Europe – 1.8 MHz**  
Bojan Sever, S57M\*  
Donor: Robert Kasca, S53R

**Oceania (14 MHz)**  
K. S. Smith, VK6LW  
Donor: Bruce D. Lee, KD6WVV

**Asia – 14 MHz**  
Nodir Tursoon-Zadeh, EY8MM  
Donor: Al Teimurazov, 4L5A – JA4FWM Memorial

**Japan – 21 MHz**  
Ooshika Tarou, JI2UNR  
Donor: DX Family Foundation

**Japan – 14 MHz**  
Akira Asai, JA8RWU  
Donor: Take Yokoyama, JL1BLW

**MULTI-OPERATOR, SINGLE TRANSMITTER**  
**World**  
IH9P (Oprs: I2IFT, I2PJA , I8QLS, IK2ANI, IK2CIO, IK2HKT, IK2RZP, IK7JWY, IK8ETA, IN3QGY, IN3ZNR, IT9BLB, IT9WPO, IT92MX, OK1FUA, W1NA )  
Donor: So. Calif. DX Club – W6AM Memorial

**U.S.A.**  
KT1V (Oprs: KT1V, KC1F, WC1M, K1RX)  
Donor: Carolina DX Assn.

**Carib./C.A.**  
VP5X (Oprs: KY1V, WA4PGM, NØVD, KØRAY, CT1ILT)  
Donor: Eric Scace, K3NA

**Africa**  
CQ9K (Oprs: CT1BOH, CT3BD, CT3DL, CT3DZ, CT3EE, CT3EN, CT3HK, CT3IA, CT3HK, CT3KU, CT3KY, CT3LG, CT3MD)\*  
Donor: Tikiriki Contest Club – IH9P

**Asia**  
5B/AJ2O (Oprs: RW3QC, RW4WR, RN3AZ, UA9CDV, RA3AUU)  
Donor: Edward L. Campbell, NT4TT  
AA6BB and KA6V Memorial

**Japan**  
JA7YAA (Oprs: JE7HLZ, JHØNZN, JG7PSJ, JO7FTJ, JI5RPT, JA6SCY, JJØCBB, JO7JID, JO7DJT)  
Donor: Vienna Int'l ARC – 4U1VIC

**Europe**  
OM8A (Oprs: OM2KW, OM2VL, OM3BH, OM3GI, OM3LA, OM3NA, OM3RM, OM7JG)  
Donor: Bob Cox, K3EST

**Oceania**  
AH2R (Oprs: JI3ERV/NH2C, JR7OMD/WI3O, JE8KKX/AH2K, JG3RPL/N1BJ)  
Donor: Junichi Tanaka, JH4RHF

**South America**  
FY5KE (Oprs: F1HAR, F5HRY, F5MZN, F6EPY, F6FVY, F6FGZ, FY1FL)\*  
Donor: The Cuba Libra Contest Club

**MULTI-OPERATOR, TWO TRANSMITTERS**  
**World**  
VP2E (Oprs: KC5EA, N5AU, N5TJ, K5MR, K1DG, N2NT, VE3EJ)  
Donor: Ranko Boca, YT6A

**U.S.A.**  
K3LR (Oprs: K3LR, N2NC, N5NJ, N4HY, K1AR, WM5R, K3UA, KI7WX, N3GJ, N3SD, W9ZRX, K4SQR)  
Donor: Kimo Chun, KH7U  
Dan Robbins, KL7Y Memorial

**Europe**  
IR4X (Oprs: I4TJE, I4IND, I4EAT, I4IKW, I4AVG, I4VEQ, IK4DCT, IK4EWK, IK4CFZ, IZ4BOY, IK2NCJ, IK2QPR, IZ3EYZ)  
Donor: Aki Nagi, JA5DQH)

**Oceania**  
VK4CZ (Oprs: VK4JSR, VK4CZ, VK4WR, VK4FI, VK4APG, VK4TU)  
Donor: Japan CQ Ham Radio

**MULTI-OPERATOR, MULTI-TRANSMITTER**  
**World**  
EA8ZS (Oprs: EA8ZS, OH1JT, OH1MA, OH1RY, OH2IW, OH2HE, OH2JA, OH2MM, OH2UA, OH4JFN, OH5BM, OH6EI, OH7JR, OH7RR, OHØXX)  
Donor: Dave, W6NL and Barb, K6BL Leeson

**U.S.A.**  
W3LPL (Oprs: W3LPL, K1RZ, ND3A, ND3F, AI3M, NK3R, K3RA, W3UR, NN3W, WR3Z, W3ZZ, KD4D, K4ZA, AC5RR, W6AAN, K9QQ)  
Donor: CQ magazine

**Europe**  
9A1A (Oprs: N4PN, NF4A, S52OP, 9A5W, 9A5E, 9A2DQ, 9A2EU, 9A4WW, 9A6A, 9A5K, 9A8W, 9A4CD, 9A9A)  
Donor: Finnish Amateur Radio League

**Japan**  
JA3YBK (Oprs: JH3PRR, JG3KIV, JI3OPA, JP3PZD, JH4NMT, JR4ISF, JF4FUF)  
Donor: Ryozo Goto, JH3JYS

**CONTEST EXPEDITIONS**  
**World Single Operator**  
VK9XD (Op: VK2CZ)  
Donor: National Capitol DX Assn.  
Stuart Meyer, W2GHK Memorial

**World Multi-Single**  
C91Z (Oprs: ZS6WFX, ZS6JR)  
Donor: Gail Schieber, K2RED

**World Multi-Multi**  
FP/VE7SV (Oprs: VE7SV, VE7AHA, VE7CC, VA7NT, VE7SZ, VE7VR, XE1KK, N7RO)  
Donor: Tachio Yuasa, JA9VDA

**SPECIAL SINGLE OPERATOR AWARD**  
**World-All Band Under 21 years old**  
Vakhtang Mumladze, 4L6AM  
Donor: Gene Zimmerman, W3ZZ

\*Second place

## BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

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

### WORLD TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
CN2R	293/14/73	730/19/84	818/28/103	1838/38/144	1782/37/138	3194/36/126
D4B	250/15/71	267/20/78	479/26/88	2635/40/150	1926/36/144	3242/35/143
8P1A	244/10/25	366/20/71	1087/26/101	2199/36/127	2564/34/127	2922/32/117
A61AJ	110/9/48	504/26/88	651/29/101	1444/37/129	1434/36/131	3061/36/125
P49Y	72/7/17	250/15/43	397/18/68	1618/30/96	2022/28/103	2324/29/88
G11W	397/10/54	829/22/82	881/26/108	993/34/108	1756/28/108	1511/32/114
EA9LZ	36/6/26	268/12/56	881/20/73	1258/26/82	1388/31/93	1823/28/83
FS/AH8DX	49/8/26	212/15/42	489/24/89	1171/31/111	1571/31/113	2004/26/105
K4ZW	34/9/25	239/20/72	303/22/79	1011/36/30	1154/36/119	1126/31/112
K02M/1	49/12/30	263/17/72	246/22/91	763/39/136	1429/35/130	1114/32/120

### USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
K4ZW	34/9/25	239/20/72	303/22/79	1011/36/30	1154/36/119	1126/31/112
K02M/1	49/12/30	263/17/72	246/22/91	763/39/136	1429/35/130	1114/32/120
K5ZD/1	46/12/29	355/16/70	275/24/82	1107/34/125	1304/31/114	801/25/100
W9RE	28/9/16	123/19/61	319/25/88	872/37/121	1248/39/128	806/28/100
K3CR	44/13/25	292/19/77	311/20/79	623/35/114	793/35/108	799/28/101
K3ZO	34/9/21	49/11/27	388/19/81	632/28/102	1087/31/105	751/27/98
AA1K/3	35/10/22	133/14/49	228/18/71	797/35/124	705/34/119	843/26/100
W3BGN	42/11/25	199/17/68	238/23/71	612/35/106	631/33/98	936/26/109
N2IC/5	15/8/13	81/19/37	336/27/70	401/33/101	805/36/117	724/32/102
K7RL	16/6/6	104/20/37	392/26/70	865/34/107	850/35/99	479/26/68

### WORLD MULTI-OPERATOR SINGLE TRANSMITTER

IH9P	435/13/77	528/17/79	1363/29/117	1723/40/150	1865/39/149	2100/37/150
CQ9K	80/11/51	349/18/73	495/28/113	1685/40/150	2236/36/148	2995/38/153
FY5KE	114/14/52	386/18/68	579/23/90	1767/36/139	1860/38/147	3531/34/146
5B/AJ2O	251/10/64	497/12/81	1141/25/105	1708/37/145	1680/37/134	2432/36/135
9Y4ZC	44/7/19	297/18/69	686/22/93	1648/39/149	2116/34/128	2577/31/133
VY2ZM	311/18/73	1007/23/95	449/27/105	1937/40/157	1828/34/138	554/29/127

### USA MULTI-OPERATOR SINGLE TRANSMITTER

KT1V	41/12/34	499/21/87	501/24/101	1281/38/150	1055/34/133	1039/30/134
K1KI	35/11/32	225/21/79	566/27/101	933/40/163	1405/34/145	1030/33/144
K1IR	37/11/32	461/19/87	502/27/109	730/40/142	916/36/134	782/28/127
K8AZ	32/14/30	151/21/73	452/31/110	984/39/151	906/36/138	752/31/132
N0NI	28/13/20	90/17/55	233/29/102	569/40/140	1003/39/144	609/31/129
K5NA	25/10/24	81/19/48	229/29/104	461/40/146	1118/38/143	754/34/133

### WORLD MULTI-OPERATOR TWO TRANSMITTER

VP2E	216/17/62	945/23/102	2346/34/145	3794/40/172	4771/39/163	4796/35/160
PJ2T	159/10/30	403/21/74	1209/29/104	2763/40/142	3196/34/125	3541/32/127
CT9L	67/7/35	348/14/70	993/26/94	1820/34/136	2785/36/142	3583/36/143
IR4X	91/9/61	1038/26/93	1326/33/127	1854/40/155	2289/40/158	2028/37/160
K3LR	56/14/40	439/27/89	830/33/122	2024/40/169	2899/40/166	1390/33/145
PS2T	2/2/2	51/14/25	406/30/104	2321/40/153	2650/40/160	3311/34/147

### USA MULTI-OPERATOR TWO TRANSMITTER

K3LR	56/14/40	439/27/89	830/33/122	2024/40/169	2899/40/166	1390/33/145
N3RS	53/12/34	527/24/90	603/29/110	1343/40/161	2029/39/155	1250/30/142
K4JA	59/15/43	490/23/92	730/33/118	828/40/153	1587/38/154	1520/32/139
WE3C	60/13/39	360/21/89	300/27/99	1061/39/148	1125/36/133	832/31/130
W4RM	35/8/14	440/14/66	447/19/76	1072/33/122	1096/33/123	906/23/100
NK7U	24/9/11	200/23/46	420/30/100	1135/40/145	1280/37/129	387/27/86

### WORLD MULTI-OPERATOR MULTI-TRANSMITTER

EA8ZS	334/16/72	768/23/94	2040/33/122	4012/40/176	4178/39/174	4354/37/164
HC8L	295/13/42	891/26/88	1870/34/124	3435/37/151	4699/40/155	4489/31/134
FP/VE7SV	827/15/70	1869/20/93	2200/28/107	2813/35/125	3361/30/127	3142/27/108
KH7X	192/12/14	996/30/60	1909/37/92	2885/39/161	3317/38/126	3331/38/106
9A1A	923/11/68	1744/29/107	2235/35/129	3245/40/159	2569/39/150	2113/39/154
V26B	101/7/20	499/18/73	1496/29/111	3256/37/128	3092/35/114	4019/35/131

### USA MULTI-OPERATOR MULTI-TRANSMITTER

W3LPL	237/16/54	819/26/98	984/30/121	2400/40/177	2213/40/167	1603/34/153
KC1XX	250/15/47	986/28/104	1001/34/127	1895/40/169	2308/40/165	1711/35/149
K9NS	133/14/39	289/26/84	541/32/120	1837/40/170	2197/40/166	1499/34/146
K1TTT	116/14/40	617/21/90	382/26/104	1775/40/157	1760/38/144	1061/31/138
N04I	175/12/25	329/22/84	908/31/121	1641/40/157	1717/38/156	1408/33/142
K1RX	177/11/39	665/21/85	686/27/111	1508/38/154	1324/34/135	968/31/130

contest process. Submitting an electronic log is easy, and please send in your log no matter how small. Send your SSB log and summary forms to <ssb@cqww.com> (CW to <cw@cqww.com>). Please send your log in Cabrillo format. If you did everything okay, you will get back an acknowledgement and a tracking number. If there was something wrong, you will get a message telling you what to do to correct the error. You can then resubmit your log to the same e-mail addresses given above.

Anyone who submits an electronic log receives a UBN report of how their log was judged. You can learn more about the UBN report by going to the CQWW.com website; scroll down to the end where it is explained. The CQWW Contest Committee provides many ways for an entrant to check his/her log for category, club, operator, and score accuracy. Long before the final results are published a listing of log received, your category, and UBN list is published on the CQWW site. Thanks to the input from numerous entrants, some systemic errors were found and corrected. All these efforts help to make the results as accurate as possible.

Several problems have arisen because of the use of help in the contest. If you are single operator in *any* category, you cannot receive help in *any* way from another person. Each year we receive reports of someone allegedly having another operator spot or work QSOs for him. This is cheating and will not be tolerated. The use of packet to self-spot is against the rules. Self-spotting can be broken down into doing it yourself, and trying to hide the fact that you are doing it by using other callsigns. There is nothing wrong with coming across a station and spotting it, but self-spotting is against the rules. Participants enter the contest to have fun, meet friends, perhaps work some new ones, and compete fairly.

## Thanks

Thanks to the CQWW log checkers who validated the winners and

provided insight into many contesting topics. They are K1DG, K3WW, K3ZO, KR2Q, N2AA, N2NC, N3ED, N6ZZ, N9RV, W3ZZ, K1AR, KM3T, KT3Y, N5TJ, N5NJ, K6AW, and N8BJQ. The DX advisors offered advice and sorted out potential problems: CT1BOH, DL6RAI, EA3DU, F6BEE, G3SXW, I2UIY, JE1CKA, OH2KI, OH2MM, PY5EG, S50A, UA9BA, VA7RR, VE3EJ, RA3AUU, and E21E1C. A special thanks to Dick, N6AA, and Larry, N6TW, who once again spent countless hours to make the CQWW database the best in contesting. The CQWW uses the software developed by Tree, N6TR. Additional software provided by WT4I was used. The CQWW records are maintained by John, N2NC, and K3EST. Phil, N6ZZ, put in lots of hours making sure the database was as clean as possible. Thanks to John, K1AR, for his advice.

Congratulations to all the winners and entrants! CU in the 2005 contests!  
73, Bob, K3EST

## USA QRM

Chose 40m so I could spend days with the family. Need to send family away next time! . . . **AA0MQ**. Great conditions on all bands made this one lots of fun. Thanks to the contest sponsor, volunteers, and DXpeditioners who devote their time and energy to make the contest such an exciting event and thanks to the loyal members of team K1IR. . . . **K1IR**. Conditions were super; just like old times again! . . . **K4WI**. Nice to see so many signals from around the world. Certainly this is the cornerstone of the DX contest year. Thanks! . . . **K5PAX**. Dug mic out of trash box to work first SSB contest in years. Good practice at digging out muls. . . . **K6KYJ**. Had fun and got a few new ones. . . . **K8OT**. Most fun I ever had with ham radio! . . . **KB6JMF**. Long live the CQWW! . . . **KC1XX**. Great conditions! Great pile-ups! Great radio! . . . **KC2HZW**. Outstanding conditions! More BY's on the bands than ever. . . . **KC7V**. Who said you can't have fun with just a few watts and some wire in your backyard trees? Special thanks to all the folks who activated rare and interesting countries. You guys really add the spice to this fun contest. . . . **KR1ST/4**. What a great weekend of contesting! 10 meters was smoking! . . . **N3MX**. Wow! Where

### EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
GI1W	397/10/54	829/22/82	881/26/108	993/34/108	1756/28/108	1511/32/114
GW4BLE	118/7/45	629/14/68	645/23/86	809/30/96	1343/27/86	1095/32/87
S50A	89/9/44	257/13/62	806/30/96	801/30/97	1419/32/103	863/33/114
ES5TV	305/10/56	476/22/76	637/35/111	962/39/125	1030/37/129	769/32/124
M6T	81/5/38	591/12/60	550/26/83	822/35/99	1323/35/111	1014/34/102
GM7V	241/8/47	722/16/72	380/23/87	793/32/113	1193/36/117	959/31/114
DJ5MW	228/7/51	540/12/66	438/23/96	814/30/106	932/36/118	927/36/123
DJ4PT	171/11/48	379/18/72	402/28/88	1131/29/91	1152/33/92	573/32/80
RK4FF	98/8/43	582/17/71	710/23/87	837/39/114	944/36/135	1470/35/126
S57DX	171/8/45	621/16/69	540/26/95	1320/31/109	569/28/90	636/35/111

### EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

OM8A	257/12/69	681/27/93	780/30/121	1547/40/154	1396/40/146	817/38/153
OE2S	321/12/62	746/16/73	706/28/107	1193/40/141	1467/39/151	1208/38/153
OM7M	166/11/67	473/23/85	941/34/123	1509/39/141	1898/40/158	227/38/151
OK5W	59/11/58	474/25/84	1198/33/125	789/40/145	1492/38/150	976/37/150
RW2F	420/14/69	701/21/85	647/32/116	1489/40/150	1363/40/145	562/37/153
S50C	129/9/60	572/20/74	985/33/119	1156/37/139	1254/39/142	715/37/148

### EUROPE MULTI-OPERATOR TWO TRANSMITTER

IR4X	91/9/61	1038/26/93	1326/33/127	1854/40/155	2289/40/158	2028/37/160
9A7A	326/9/62	1050/19/82	1414/31/124	1823/40/147	2282/37/149	1758/38/156
UU7J	313/12/63	940/26/94	823/33/118	2740/40/161	2372/40/148	1655/37/151
CT8T	240/11/57	549/18/79	1324/28/105	1852/37/147	2220/37/135	2212/39/142
HG6N	523/11/62	921/17/80	970/32/120	1382/39/140	2274/37/145	1338/38/151
RU1A	354/11/60	810/27/99	1442/36/133	2091/40/155	1912/40/146	535/33/142

### EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

9A1A	923/11/68	1744/29/107	2235/35/129	3245/40/159	2569/39/150	2113/39/154
DF0HQ	1037/12/68	1713/26/102	2500/35/138	2140/40/161	2209/40/164	1465/39/162
DF0CG	952/14/70	1259/21/85	1856/33/126	2867/40/155	2231/38/148	1046/37/141
OT4A	81/12/64	1711/20/83	2065/33/121	2374/38/152	2103/39/137	1658/37/151
MD4K	1114/13/67	1531/17/83	2710/26/109	2465/39/151	2453/38/158	1810/33/143
LZ9W	486/9/66	665/18/83	1882/32/124	2429/40/161	2513/39/153	1445/37/142

did that come from? I was expecting a bottom-of-the-cycle contest, not this. . . **W1JQ**. This contest was far better than expected for my meager station. The high band openings really made the contest fun. Thanks to all the "good ears" at the DX stations. . . **W4KAZ**. Best effort to date! Very proud of our "cheap spumante station on a light beer budget." . . **W4WS**. Cannot believe I worked 39 zones at this point in the sunspot cycle! And, I heard zone 26 on two bands but couldn't work it! . . **W8TN**.

Surprisingly, 10m was good enough to produce DXCC on that band alone, along with 15 and 20 meters DXCC, in spite of the solar flare. Two new operators at the station were impressed and contributed significantly to the overall score. . . **W8ZA**. Thanks to the solar gods for the propagation. . . **WA3G**. Planned on high power but the amp blew during warmup, then got laryngitis and couldn't talk, not good for a phone contest! At least my wife promised a voice keyer for Christmas! . . **WB2KLD**. Band conditions were great for entire contest. All the bands were crowded. Worked many new countries on all four bands. . . **WB2QLP/4**. This has got to be the best CQWW of all we have participated in. . . **WB3CJU**. Rig would not transmit on 15m! 82 countries on 10m with a sloper! . . **WR3Y**. Great contest. Multi/Multi on Friday night until about 2:00 AM, then Single-Op Saturday plus a couple hours Sunday. Unusually great conditions on 10 meters! WX3B will be off the air for several months while I move and install some more, bigger, better antennas! . . **WX3B**.

### DX QRM

Newly licensed, first contest. Had a ball on 10m. Gonna be back next year, better prepared better location. . . **2E0VPE**. First CQWW from the new zone 1 QTH. Propagation to Europe stunk most of the weekend, but the JA's were steady and profuse. Picked up several all time new countries in Asia, Pacific, and eastern Europe. All in all my best contest effort ever. Hope to set the bar higher next year and do even better despite the solar cycle. . . **AL9A**. It's difficult to operate contest when you have problem with voice, hi. . . **D4B**. Our first try from the refurbished school club station DLØRSG. We had a lot of fun and quite a bit of practice for future contests! Conditions were surprisingly good, and 10 meters was just packed with stations! . . **DLØRSG**. Operated with two fishing rods stacked out of the hotel balcony. Recommended! . . **EA6/LY1DF**. We enjoy this contest every year! First M/S from this QTH. 10m was a big surprise. . . **E17M**. A fantastic adventure!

### TOP SCORES IN VERY ACTIVE ZONES

<b>Zone 3</b>	VO1AU.....7,143,551	SN7L.....1,864,708
K7RL.....3,524,400	VO1MP.....6,087,368	OK1AVY.....1,644,019
W6PH.....1,858,584	K3CR.....5,184,258	*9A7P.....1,631,019
AA7A.....1,145,928	K3ZO.....4,564,235	
K6XX.....1,121,526	AA1K.....4,546,820	<b>Zone 16</b>
KG7H.....1,115,316	W3BGN.....4,462,850	RK4FF.....5,301,682
WK6I.....1,054,788	N2RM.....3,417,276	RK4FD.....2,515,315
*NT6AA.....1,041,750		*UA4FER.....2,045,730
W6TK.....956,956	<b>Zone 14</b>	*RV3FF.....1,576,328
*VE7XF.....903,222	GI1W.....9,836,574	*RW3GU.....1,369,500
N5LZ/7.....596,148	GW4BLE.....6,535,274	*RU3QW.....1,325,808
	M6T.....6,038,400	RX3DCN.....1,157,226
<b>Zone 4</b>	GM7V.....5,948,712	*UV1G.....1,011,560
VC3L.....7,256,081	DJ5MW.....5,536,256	*R24FA.....962,136
W9RE.....6,216,815	DJ4PT.....5,491,016	RA6AFB.....886,830
VE3EJ.....6,031,256	*CT7B.....3,511,185	
N2IC/5.....3,802,050	F5RZJ.....3,052,504	<b>Zone 25</b>
N8VW.....2,714,432	*EA7RM.....2,961,569	JS3CTQ.....3,618,983
VE3XN.....2,666,520	DK5QN.....2,749,827	JA7NVF.....2,794,697
VE3KZ.....2,211,075		JR1AIB.....2,604,640
N8BJQ.....2,075,332	<b>Zone 15</b>	JA3USA.....2,504,802
KU1CW/Ø.....2,024,502	S50A.....6,413,199	JA2BNN.....1,277,560
NRØX.....1,996,852	ES5TV.....6,065,520	J12KXK.....1,168,398
	S57DX.....4,919,460	JR3NZC.....904,430
<b>Zone 5</b>	YL6W.....2,530,412	*JS1OYN.....625,500
K4ZW.....7,583,034	*LY9A.....2,135,931	*7K3OVM.....434,280
KQ2M/1.....7,506,464	OH2RA.....2,102,867	*J17VJN.....359,784
K5ZD/1.....7,146,952	IK3UNA.....1,937,562	*Low Power

Thanks to all who made it possible. . . **FP/VE7SV**. First time entry from UK young contesters (helped by some older ones!). We all had great fun. . . **G1A**. Fantastic conditions to North America on 10 meters for this position in the sunspot cycle. . . **G4NXG**. Another great contest. Gave some of the MM3 callsigns a go. Youngest was 10 years old; she did enjoy it. . . **GM2T**. Wow! Totally unexpected 10/15 metre condx; should have believed prediction in CQ magazine! Never seen rate of 276/hour on CT before, even if it was for only 10 QSOs! . . **GW3JXN**. Many prefixes not given clearly. . . **GW3YVC**. Weather very bad, station performed well, eating time was always very important, so that the transmission stopped! A very pleasant weekend of radio activity. . . **HB9AUS**. Wow, what a funny contest! Great conditions on 10m, way beyond expectations, led us to our best ever score since J49Z started in 2001. . . **J49Z**. The Cambridge University Wireless Society (G6UW/ M4A) joined forces with the Granta Contest Group (MØCAM/ M4R) for this multi-single operation. Thanks to everyone who worked us. . . **M4A**. My first contest. I only received my licence in the spring. Age 15 years only. . . **MM3PAE**.

First time contesting as QRP. QRP was fun, and many ops had great ears, so it was a pleasure to work. . . **OH6GDX**. The first attempt from our new contest location. . . **OM8A**. Great propagation on both days. Propagation is like a beautiful woman: we will never figure it out, but we keep on trying! . . **ON4APU**. Fantastic contest! Real dream conditions with great DXCC activation also on the low bands. Very promising for the coming years. . . **OT4L**. Nice contests. . . **OT4W**. Condx good. Contest nice. Till next test. 81 years young. . . **PAØKDM**. Wow! Ten meters was hot during the contest! Just great to hear so many contest friends on the band. . . **PG2AA**. Great pleasure in having the young generation operating the station in Araraquara. . . **PS2T**. Just for fun! Neither of us have been amateurs for more than a year! C ya next year. . . **SM6U (SM5YZB & SM6YOU)**. Very fun, much better condx than expected. . . **SM7E**. Nice to be present again with 100W and vertical entry. Only 10m SO Assisted, QSO on other bands. . . **SP5ES**. Worked with only 30W. . . **T92M**. It was for most of the team members the first time. Perhaps too many parameters to manage, but sure, our rookies really enjoyed it. Not a big score, but is that the most important for us? No, or not yet! . . **TM7Z**. Wow! A great contest and terrific condx! I'll look for a better low-band antenna for 2005. . . **VC3W**. Operated from Zone 2 in Sept Isles, Canada with a complete field-day type setup on the St. Lawrence sea-way. Vertical antennas responded excellently. Great fun and excellent band conditions. . . **VE2/K3FMQ**. We took the Multi-2 category literally and had only two operators the whole weekend. Conditions were much better than expected and even lacking a 160m antenna we had the best score ever for the VE3SY station in a CQWW SSB contest. . . **VE3XD**. This contest was my personal best, despite R2 blackouts, CMEs, and dead bands on 80 and 160. Next year I will be ready with decent antennas for 40, 80, and 160! I am still amazed at the instant silence at 2400Z Sunday! . . **VE6ZC**. Wow!! 255 Qs with only 13 operators. I bet this is a new record that will stand for a very long time! This was a contest training session. Ten ops with no ticket and no ham experience. I think I turned four of them on. . . **VE7FO**. Who ever expected 10m to be as hot as it was? 10m proved to be the ultimate money band, with LP openings into the Caribbean until well after midnight AEST. Great contest, and no severe storms like last year, plus a new high score.

What more could we ask for? . . . **VK4CZ**. Great contest. We turn ourselves into zombies. We end up with a hoarse voice. We deny ourselves sleep. We are hungry. We are thirsty. It still remains a great contest. . . . **VK7VH**. A great contest and a very talented crew. We were really glad to get in one more good contest season before this solar cycle bottoms. We will be back next year regardless of what the solar cycle does! . . . **VP2E**. Unbelievable propagation plus great people makes great fun. . . . **VY1JA**. This was my first contest to enter! Lots of fun. Nice to be able to provide zone 01 and received thanks. . . . **WL7BDO**. This was a memorable propagation weekend during this stage of the solar cycle. Go CQWW! . . . **XE2AC**. Using new

antenna. My best result on 21 MHz in Latvia now refreshed. . . . **YL2BJ**. Tks contest! . . . **YL2IP**. Tnx for nice contest! . . . **YL2PQ**. Age 21. My first contest ever with more than 1 mil. points and also first contest ever with all the 40 zones. Just beautiful! . . . **YP3A**. The 10 meter god smiled upon us, but the equipment god was out to lunch. . . . **ZK1AQT**. Thanks for the behind the scenes work! . . . **ZL4PW**. Ten metres was fantastic! Worked 9 new countries and 1 zone. Once again another great contest! Hope to work you all and more in CQWW 2005. Until then good DX. Thanks to CQ magazine for sponsoring this contest! . . . **ZS5T**. Thanks to PY5E4G, Oms, for letting me use his FB station. . . . **ZW5B**.

## TOP SCORES

<p><b>WORLD</b> Single Operator All Band</p> <p>CN2R.....20,938,680 D4B.....20,433,438 8P1A.....16,250,784 A61AJ.....15,272,745 P49Y.....10,149,492 G11W.....9,836,574 EA9LZ.....8,196,512 F9/AH8DX.....8,157,456 K4ZW.....7,583,034 KQ2M/1.....7,506,464</p> <p><b>28 MHz</b></p> <p>LU1HF.....2,060,856 LU6ETB.....1,902,470 ZV1R.....1,390,940 9Y4NZ.....1,215,643 9J2KC.....1,061,595 ZV5A.....1,006,264</p> <p><b>21 MHz</b></p> <p>PX5E.....2,280,502 OK1RI.....1,369,717 VP5DX.....1,336,838 9A1P.....1,147,578 OH2BH.....959,379 KG4WW.....882,691</p> <p><b>14 MHz</b></p> <p>D44TD.....2,570,282 HK1XX.....1,520,225 EY8MM.....1,506,546 SO2R.....1,376,543 C40M.....1,374,208 YZ3A.....1,220,138</p> <p><b>7 MHz</b></p> <p>F6CTT.....668,763 P43P.....603,000 YT7A.....590,975 SN7Q.....586,392 YT0A.....576,345 VP5KE.....528,082</p> <p><b>3.7 MHz</b></p> <p>SP3GEM.....391,006 LX7I.....279,680 AA1BU.....237,600 UT3UA.....153,104 EO6F.....146,744 S57O.....139,700</p> <p><b>1.8 MHz</b></p> <p>OZ1DD.....106,344 S57M.....100,964 OH0NL.....95,628 OK1DX.....95,408 PA3GCV.....94,527 IV3OWC.....69,186</p> <p><b>Low Power</b> All Band</p> <p>SU9NC.....9,498,214 PJ4J.....8,759,204 FG/K9NW.....8,122,188 H13TEJ.....3,834,030 CT7B.....3,511,185 EA7RM.....2,961,569 HK3JJH.....2,776,950 XE1CQ.....2,751,308 N1UR.....2,624,600 WA1S.....2,298,622</p> <p><b>28 MHz</b></p> <p>ST2T.....1,346,264 LU5EML.....693,986 L44DX.....653,568 LU3HIP.....643,236 PY2SBY.....597,600 EA7FTR.....569,736</p> <p><b>21 MHz</b></p> <p>HC1JQ.....1,134,045 ZP5MAL.....1,075,235</p>	<p>V31LZ.....975,069 ZX2B.....922,194 FM5FJ.....782,973 YC3BDJ.....630,605</p> <p><b>14 MHz</b></p> <p>P43E.....923,494 YV5KG.....655,796 9A7D.....520,128 SP3SLO.....480,339 SP4R.....450,369 BD5RT.....407,456</p> <p><b>7 MHz</b></p> <p>CO2JD.....113,587 K3BU/2.....99,691 Z2XA.....86,526 S54A.....80,154 RU0SN.....76,557 T94FC.....68,208</p> <p><b>3.7 MHz</b></p> <p>SP5KEH.....105,436 SP4ZO.....72,384 T93Y.....67,486 LY1DT.....65,360 S53F.....61,918 YZ1EW.....59,128</p> <p><b>1.8 MHz</b></p> <p>YM0T.....59,472 Z33F.....34,255 SP6IHE.....29,920 S54W.....27,216 SP4XQN.....18,038 9A7ZZ.....17,766</p> <p><b>QRP All Band</b></p> <p>P40A.....4,707,598 F5BEG.....906,796 N4KG.....821,601 LY4XX.....804,174 KA1LMR.....752,400 DF1DX.....627,644 EA8TX.....595,680 SK3W.....502,320 KO1H.....492,690 UA3BL.....422,784</p> <p><b>Assisted All Band</b></p> <p>P40W.....9,369,348 3V8BB.....8,781,750 FM5BH.....8,606,550 K3OO.....6,651,964 W2RE.....6,576,750 RG9A.....6,511,351 K3WW.....5,850,670 5H3HK.....5,786,933 TM7F.....5,722,884 K1G.....5,710,042</p> <p><b>Multi-Operator</b> Single Transmitter</p> <p>IH9P.....20,849,868 CQ9K.....18,726,200 FY5KE.....18,572,960 5B/AJ2O.....17,280,600 9Y4ZC.....15,464,764 VY2ZM.....12,768,304</p> <p><b>Multi-Operator</b> Two Transmitter</p> <p>VP2E.....40,907,104 PU2T.....24,139,776 CT9L.....21,153,918 IR4X.....18,385,620 K3LR.....18,382,950 PS2T.....16,926,789</p> <p><b>Multi-Operator</b> Multi-Transmitter</p> <p>EA8ZS.....44,388,630 HC8L.....38,782,625 FP/VE7SV.....26,094,185 KH7X.....25,602,753 9A1A.....21,947,520 V26B.....20,472,858</p>	<p><b>EUROPE</b> Single Operator All Band</p> <p>G11W.....9,836,574 GW4BLE.....6,535,274 S50A.....6,413,199 ES5TV.....6,065,520 M6T.....6,038,400 GM7V.....5,948,712 DJ5MW.....5,536,256 DJ4PT.....5,491,016 RK4FF.....5,301,682 S57DX.....4,919,460</p> <p><b>28 MHz</b></p> <p>ZA/OH2BH.....829,521 LZ1NG.....644,736 CT1EEN.....574,842 LZ9X.....475,577 G0AEV.....468,769 US5D.....367,748</p> <p><b>21 MHz</b></p> <p>OK1RI.....1,369,717 9A1P.....1,147,578 OH2BH.....959,379 OH0V.....802,608 SN8V.....686,565 YT1BB.....675,078</p> <p><b>14 MHz</b></p> <p>SO2R.....1,376,543 YZ3A.....1,220,138 OH8NC.....1,071,465 T97M.....1,060,320 LY7Z.....1,051,932 EA4KR.....996,672</p> <p><b>7 MHz</b></p> <p>F6CTT.....668,763 YT7A.....590,975 SN7Q.....586,392 YT0A.....576,345 SO6X.....499,044 MI0LLL.....361,050</p> <p><b>3.7 MHz</b></p> <p>SP3GEM.....391,006 LX7I.....279,680 UT3UA.....153,104 EO6F.....146,744 S57O.....139,700 IK5ZTW.....118,320</p> <p><b>1.8 MHz</b></p> <p>OZ1DD.....106,344 S57M.....100,964 OH0NL.....95,628 OK1DX.....95,408 PA3GCV.....94,527 IV3OWC.....69,186</p> <p><b>Low Power</b> All Band</p> <p>CT7B.....3,511,185 EA7RM.....2,961,569 LY9A.....2,135,931 UA4FER.....2,045,730 9A7P.....1,631,019 IT9ESW.....1,580,845 RV3FF.....1,576,328 EA3GHZ.....1,475,581 EA1WS.....1,462,107 RW3GU.....1,369,500</p> <p><b>28 MHz</b></p> <p>EA7FTR.....569,736 T99W.....405,288 F4BHW.....379,463 EA7HBP.....330,518 CT2GQN.....287,472 9A5KV.....270,253</p> <p><b>21 MHz</b></p> <p>HG3M.....510,523 S55W.....418,965 SZ5Z.....416,028</p>	<p>Z37M.....411,983 UX0IB.....334,126 J43J.....273,700</p> <p><b>14 MHz</b></p> <p>9A7D.....520,128 SP3SLO.....480,339 SP4R.....450,369 T92D.....379,925 S25U.....334,695 S58WW.....331,344</p> <p><b>7 MHz</b></p> <p>Z32XA.....86,526 S54A.....80,154 OL6T.....67,608 UA1ANA.....66,768 YT1VP.....46,656 RU6FA.....38,364</p> <p><b>3.7 MHz</b></p> <p>SP5KEH.....105,436 SP4ZO.....72,384 T93Y.....67,486 LY1DT.....65,360 S53F.....61,918 YZ1EW.....59,128</p> <p><b>1.8 MHz</b></p> <p>Z33F.....34,255 SP6IHE.....29,920 S54W.....27,216 SP4XQN.....18,038 9A7ZZ.....17,766 OM4JD.....15,984</p> <p><b>QRP All Band</b></p> <p>F5BEG.....906,796 LY4XX.....804,174 DF1DX.....627,644 SK3W.....502,320 S59D.....305,502 DF3AX.....294,680 EA1GT.....288,672 IK5RUN.....250,572 RN6AL.....239,882 HA1CW.....233,496</p> <p><b>Assisted All Band</b></p> <p>TM7F.....5,722,884 LY4A.....5,406,346 OH0Z.....4,256,166 DJ2YA.....4,175,600 OK2FD.....3,716,264 UW2M.....3,387,282 RX4HZ.....3,362,978 YL2KO.....3,122,834 UW8M.....2,945,169 ON4UN.....2,902,592</p> <p><b>Multi-Operator</b> Single Transmitter</p> <p>OM8A.....10,248,992 OE2S.....10,167,780 OM7M.....9,770,256 OK5W.....9,692,032 RW2F.....9,150,790 S50C.....8,279,477</p> <p><b>Multi-Operator</b> Two Transmitter</p> <p>IR4X.....18,358,620 9A7A.....15,148,830 UU7J.....12,547,262 CT8T.....12,530,845 HG6N.....12,364,088 RT9W.....11,399,373</p> <p><b>Multi-Operator</b> Multi-Transmitter</p> <p>9A1A.....21,947,520 DF0HQ.....18,678,975 DF0CG.....17,619,740 OT4A.....17,086,281 MD4K.....15,486,066 LZ9W.....14,002,960</p>	<p><b>USA</b> Single Operator All Band</p> <p>K4ZW.....7,583,034 KQ2M/1.....7,506,464 K5ZD/1.....7,146,952 W9RE.....6,216,815 K3CR.....5,184,258 K3ZO.....4,564,235 AA1K/3.....4,546,820 W3BGN.....4,462,850 N2IC/5.....3,802,050 K7RL.....3,524,700</p> <p><b>28 MHz</b></p> <p>W4ZV.....872,785 NN1N.....561,058 N4BP.....516,999 K0EJ/4.....352,006 NA5S.....334,776 W7UT.....230,892</p> <p><b>21 MHz</b></p> <p>NG2X.....863,443 N7DD.....689,727 N3HBX.....662,315 K4JNY.....484,473 KCVT.....375,804 K5AM.....284,487</p> <p><b>14 MHz</b></p> <p>W7WA.....992,880 KX7M.....342,540 K6HNZ.....232,713 K5ZO.....201,299 W8TWA.....181,260 W8CZN.....178,866</p> <p><b>7 MHz</b></p> <p>K4XS.....372,608 W6YI.....119,106 N4NX.....59,724 W2XL.....48,756 W7OT/1.....31,995 AA4VV.....30,303</p> <p><b>3.7 MHz</b></p> <p>AA1BU.....237,600 AA4MM.....51,700 K5RX.....38,380 K7SSS.....17,545 W8AEF/7.....7,344 K7EC/5.....1,175</p> <p><b>1.8 MHz</b></p> <p>W2MF.....5,289 W2VO.....4,928 KK4SI.....2,940 W3GH.....2,196 W71ZL.....1,840</p> <p><b>Low Power</b> All Band</p> <p>N1UR.....2,624,600 WA1S.....2,298,622 N8II.....1,995,760 N4TZ/9.....1,704,208 K2PS.....1,691,280 N5AW.....1,464,408 W1JQ.....1,400,431 N5BO.....1,313,671 W1KT.....1,310,647 NR3X/4.....1,237,530</p> <p><b>28 MHz</b></p> <p>K4WI.....545,416 K6EID/4.....152,091 W7UPF.....128,225 K8OZ.....89,436 KT3RR.....77,063 W4CEO.....62,727</p> <p><b>21 MHz</b></p> <p>N2BA.....440,320 W6AFA.....242,724 N2GM.....235,416</p>	<p>K2MFY.....206,250 K8IR.....166,944 KF8K.....154,262</p> <p><b>14 MHz</b></p> <p>W7FP.....114,570 W9IG/J4.....71,640 K3NK.....43,279 KZ5OH.....40,281 KF8BT.....39,072 W9XAN.....8,750</p> <p><b>7 MHz</b></p> <p>K3BU/2.....99,691 N2KX.....26,228 KA0CT.....16,008 WJ5DX.....11,072 AA0MQ.....7,696 KU6T.....1,344</p> <p><b>3.7 MHz</b></p> <p>N4IJ.....35,898 K8DO.....5,160 N1LW.....4,800 K2YE.....4,264</p> <p><b>1.8 MHz</b></p> <p>W5AJ.....12</p> <p><b>QRP All Band</b></p> <p>N4KG.....821,601 KA1LMR.....75,2400 KO1H.....492,690 N1TM.....348,300 N8IE.....312,420 WA0VBW.....281,316 KR1ST/4.....277,290 K8ZT.....223,584 N7IR.....106,212 K10OV.....59,563</p> <p><b>Assisted All Band</b></p> <p>K3OO.....6,651,964 W2RE.....6,576,750 K3WW.....5,850,670 K1G.....5,710,042 K2NG.....4,147,168 WB9Z.....4,018,652 W4MYA.....3,858,064 N6RFM/1.....3,350,000 AA3B.....3,329,480 W1GD/2.....3,245,622</p> <p><b>Multi-Operator</b> Single Transmitter</p> <p>KT1V.....9,554,202 K1KI.....9,378,170 K11R.....7,130,376 K8AZ.....6,898,554 N0NI.....4,963,101 K5NA.....4,862,976</p> <p><b>Multi-Operator</b> Two Transmitter</p> <p>K3LR.....18,382,950 N3RS.....13,533,848 K4JA.....12,301,520 WE3C.....12,727,555 W4RM.....6,494,883 NK7U.....5,742,664</p> <p><b>Multi-Operator</b> Multi-Transmitter</p> <p>W3LPL.....19,574,100 KC1XX.....19,473,602 K9NS.....15,075,228 K1TTT.....12,635,727 NQ4I.....12,122,019 K1RX.....10,720,608</p>
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Table with multiple columns containing alphanumeric codes (e.g., \*9AAVV, \*9AGXG), numerical values, and country/region names (e.g., GERMANY, ESTONIA, FINLAND). It appears to be a list of services or items with associated identifiers and values.









