

# Results of the 1995 CQ World-Wide DX CW Contest

BY BOB COX\*, K3EST

The sunspots were gone, the weather was changing and the CQ WW CW took place. The 1995 contest will be remembered as the year when 160 meters was fantastic and 10 meters was almost completely dead. The low bands were alive with activity. Several entrants had country totals in the high 80s to 90s on 160 meters!

Contesters had their stations ready to take advantage of good conditions. Many enthusiasts traveled to distant lands to put rare places on the air. Can any contester or DXer remember when two stations from Burma could be found very active on the air (XZ1A and XY1HT)? To name some of the more exotic DXpeditions makes for quite a list: AH0T, 3V8BB, 3W5FM, 3B8/N6ZZ, 3DA0NX, J45T, AP2NY, 7Z5OO, TY5A, HC8N, 4S7TWB, ZK1TB, FO0ZR, TX8FU, TA4ZM, ZD8Z, C4A, VK9XH, ZL7CW/PYD, T32BE, 9M6NA, HK0/DL4MEH, A71CW, A61AF, XV7SW, IG9R,A,T, TK2C, VP5FOC, 4M5X, ZF2JI, ZF2RF, EX/RU1AO, HS0/SM3CVM, 4U0ITU, 3A/K1VWL, V47KP, 8R1K, 9Y4H, PY0FF, V73WP, ZB2X, CT9U/X, VP2EFO P40W, P40J, and P49V. Perhaps the contester who traveled the most between the SSB and CW WW weekends was N6AA. Dick went from JT1Z (SSB) to Zone 2 (CW) via Australia!

## Single Operator

Traveling down to EA8 has become a cottage industry for OH2MM. Ville took full advantage of his skill and location to key himself into first place in the world. Sitting inside a converted water cistern without windows, he started preparing himself several days before the contest by shifting his sleeping habits so that at the starting bell, which occurs at midnight, he would be refreshed and ready to go.

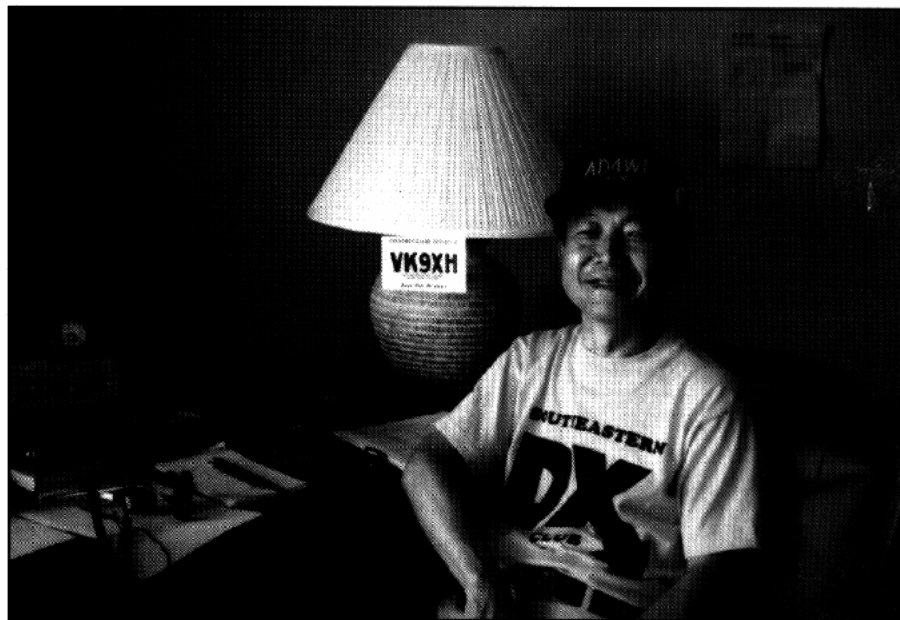
Second place went to another frequent flyer, Jose, CT1BOH, who traveled down to Recife and the over to Fernando de Noronha to activate the QTH of PY0FF. Looking at the top ten world scores reveals that working three pointers really makes a difference.

With one exception, A92Q, all the top ten world scores were DXpeditions. Thanks for making the contest more interesting!

In the USA, W1KM took top honors from his QTH in the salt marshes of southeastern Massachusetts. His 80 meter score points out the advantage of a salt-water ground. The battle for second place was fierce. Only 186K separated second and fourth place. Putting his phased tribanders to good use was Dean, N6BV/1, who took second place USA.

The battle for top score in Europe was equally tough. After all the dust settled, OM8A had put the Slovak Republic on the map by ending

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VK9XH operated by JA1CMD got into a lot of logs.

up at the top, with GI0KOW finishing second. There were five stations from the Balkans in the top ten European list. Further north, OH6WZ pushed his keyboard to the top Scandinavian spot.

## Low Power

The top three all band low power winners would be good DX catches on any day. Catching them in the CQ WW makes it much more fun. The top all band honors went to 9X4WW, Mark, ON4WW, who is working in central Africa for the UN trying to help out the people in that war-torn area. Not only did he make a lot of participants happy, he set a new all-time low power record in the process. His rival was 7Q7A, who also was on a goodwill mission by working for the JOVC, an organization somewhat similar to the US Peace Corp. Third place went to TA4ZM, DK5WL operating from Asiatic Turkey.

It was just last year that we requested increased participation in the Low Power category in the USA, and you sure heard us! The competition is now just packed solid. After knocking on the door for the last two years running, K2SG finally did it. Tony amassed an overwhelming lead in the QSO Total department, beating out challenger KR2Q by 250 contacts! After getting stung himself, K2SG finally hit the right balance of QSOs versus Multipliers; so despite Doug's 30 multiplier

lead, it was only good enough for second place. And the story was the same for third-place finisher K7SV. Although Larry worked even more mults than KR2Q (and 63 more than K2SG!), KR2Q's larger QSO Total again proved to be the deciding factor. Congratulations to all three for a fine job during a closely fought battle, and especially to K2SG, who now adds a CW win to last year's SSB victory.

In Europe EA7CEZ repeated as the top low power champ. His modest station and skill brought him the Europe trophy. Second place went to US1E, a member of the dynamic and growing Ukrainian Contest Club.

## QRP

The QRP category continues to uphold its popularity with four continents represented in the top five finishers. The winner in '95 was DL2HBX. Ulrich, using antennas up 60 meters on a building, and a pair of transceivers, managed over 1000 QSOs to finish with over 715k. Taking second in the world, and first USA, was Randy, AA2U, with a score of over 600k. Randy is now entering the world of CQ WW "dynasty" designation, as this is his sixth consecutive win on CW. Not too many stations can say that! There is W1FV with nine consecutive wins (80 meters CW USA, '83-'91), LU1DAB (10 meters SSB, '60-'67), K1PBW (160 meters CW USA, '74-'79), and N6AA (World, Single Op All Band, '80-'86 from 9Y4 and EA8). AA2U is cer-

tainly in good company. Congratulations, Randy. Just three more to go!

Grabbing the third-place world position was PV2U, operated by Jose, PY2OU. Using just an Index Labs QRP-plus, a tribander, and 2-element 40, Jose put Sao Paulo on the QRP map with a fine showing of just over 560k.

The only other QRP station to break the 1000 QSO barrier, and in fourth position, was Gediminas, LY3BA, with a score of 540k. And rounding out the world top five was JA6GCE, representing both Japan and Asia as our fourth continent. Nobuo ended up with 438k. Congratulations to all the QRP winners.

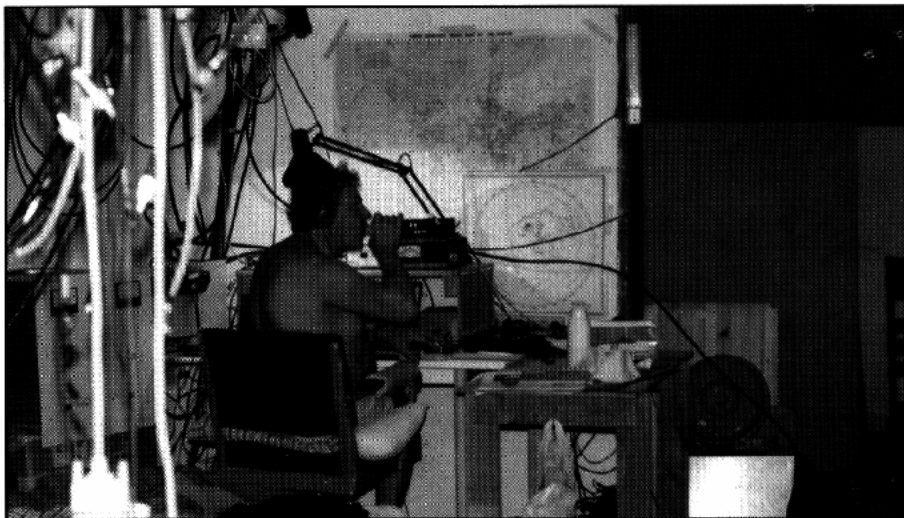
## Assisted

The assisted category is tough. You cannot get caught up in the never-ending spots. If you do, your rate falls way down and you will not do very well. A clever assisted entrant therefore makes little use of packet. The guy who continues to lead the way in this category is Chas, K3WW. Not only is he a dentist and FRC spark-plug, he also has won for the world. The top four assisted world winners were all from the FRC area: K3WW, K2WK, K2TW, and N3AD. Congratulations on your efforts.

A reminder about packet: If you use packet in **any** way to help your score, you are assisted and **must** indicate that on your cover sheet.

## Multi-Single

The competition began with two stations trying to break the CW multi-single record. One group headed down to HC8, where they overcame generator problems to make more points than ever before in the history of the CQ WW for the



OH2MM operating at EA8EA was the world high score. Here he drinks his secret stay-awake formula.

multi-single category. And they did it without any Europeans on 10 meters. HC8 is sure an ideal QTH. You get the US propagation better than P4 or PJ, and your shot to JA is much better than that from zone 9. The only downside is that you are a skip farther west from Europe.

Finishing in second place was the team of 4M5X. Operating from just outside of Caracas, 4M5X did an outstanding job. The team also worked no Europeans on 10 meters! Ten meters is mentioned because I can never remember a Caribbean/South American station not working Europe. It was a real dead band.

The competition in Europe was very close. The team from the operating cave at Mt. Capra (it really is a cave), IQ4A, just edged out the splendid effort from the Balearic Islands, EA6IB. Rounding out the top three was DF0HQ, formally of Y34K fame. Toiling against a partial faraday cage in the sky, OH2HE did a fine job.

In the US, K1AR operating from K1EA's QTH blew away the competition and almost beat their old multi-single US record. The fight for second through fourth place was close, with N3RS, N2NU, and K1DG finishing in that order.

Finishing just out of the world top six box was the Japan Crazy Contester team at AH0T. They made a fantastic effort from a long way away from the USA and Europe. The effort from 3V8BB was well received by all. These enthusiastic Tunisian amateurs and DXpeditioners will be back from a new 3V8 QTH this year.

## Multi-Multi

Traveling overland from 9G, the Voodoo contest club made their way through various obstacles to arrive at TY1PS's QTH. Located very near the water, the team worked hard to set up a station that could hand out the rare TY CW QSO. The Voodoo guys finished first in the world from another African country. They plan to head out again this year to another rare African destination. Good luck! Second place went to the DXpedition effort from the Bavarian Contest Club.

Heading down to TK makes for a lot of happy contesters who ended up with TK in their logs. Very close behind TK2C was the famous 9A1A contest team. Operating from a school house in the mountains near Zagreb, this fine crew once again proved that you can be loud and still hear almost everything that calls you.

The juggling of top position in the US multi-multi struggle found N2RM once again at the head of the class. Operating from their rustic QTH, the team made excellent use of their limited space to edge out W3LPL farther south. The flag carrier of the PVRC will be hard to top this year with 15 towers up in the air.

The top score from Japan was the Mt. RF gang from Nara, JA3ZOH. Operating from a hilltop in a green-tea plantation made for a winning combination. Farther north in latitude was NL7G, who made a terrific score from the land

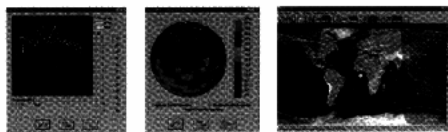
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## TROPHY WINNERS AND DONORS

**SINGLE OPERATOR**  
**World All Band**  
**EA8EA (Opr. Ville Hillesmaa, OH2MM)**  
 Donor: Albert Kahn, K4FW  
 W9IOP Memorial

**World Low Power**  
**9X4WW**  
 (Opr. Mark Demeuleneere, ON4WW)  
 Donor: Slovenia Contest Club

**World Single Operator Assisted**  
**Charles Fulp, Jr., K3WW**  
 Donor: Snake River Contest Club

**World QRPP**  
**Ulrich Ann, DL2HBX**  
 Donor: Gene Walsh, N2AA

**U.S.A.**  
**Gregory Cronin, W1KM**  
 Donor: Frankford Radio Club

**U.S.A. Low Power**  
**Anthony De Biasi, K2SG**  
 Donor: North Coast Contesters

**U.S.A. Zone 3**  
**W7RM (Opr. Michael Conatore, AA7NX)**  
 Donor: Bill Fisher, KM9P

**U.S.A. Zone 4**  
**Mike Wetzel, W9RE**  
 Donor: Dennis O'Connor, K8DO

**Canada**  
**John Sluymmer, VE3EJ**  
 Donor: Canadian DX Association

**Caribbean/C.A.**  
**8P9Z (Opr. John Laney III, K4BAI)**  
 Donor: Chuck Shinn, W7MAP

**Europe**  
**OM8A**  
 Donor: Edward Bissell, W3AU

**Europe Low Power**  
**Angel Martinez Claus, EA7CEZ**  
 Donor: Scott Jones, WR3G, & Tim Duffy,  
 K3LR

**Africa**  
**ZD8Z (Opr. Jim Neiger, N6TJ)**  
 Donor: Gordon Marshall, W6RR

**Asia**  
**C4A (Opr. Peter Grillo, AH3C)**  
 Donor: Chuck Shinn, W7MAP

**Japan**  
**Satoshi Hara, JH5FXP**  
 Donor: Japan Crazy Contesters Club

**Oceania**  
**Mirowslaw Rozbicki, VK3DXI**  
 Donor: Peahi Contest Club

**South America**  
**PY0FF (Opr. Jose Carlos Cardoso Nunes,  
 CT1BOH)**  
 Donor: Venezuela DX Club

**SINGLE OPERATOR, SINGLE BAND**  
**World—28 MHz**  
**ZX5CW (Opr. Luiz Eduardo Coimbra de  
 Manuel, PY5CW)**  
 Donor: Joel Chalmers, KG6DX

**World—21 MHz**  
**ZW5B (Opr. Arturo Gargarella, LU6ETB)**  
 Donor: Don Busick, K5AAD  
 (N5JJ Memorial)

**World—14 MHz**  
**9M6NA (Opr. Saty Nakamura, JE1JKL)**  
 Donor: North Jersey DX Assn.  
 (W2JT Memorial)

**World—7 MHz**  
**YV5A (Opr. Olli Rissanen, OH0XX)**  
 Donor: Alex M. Kasevich, VP2MM

**World—3.5 MHz**  
**John Devoldere, ON4UN**  
 Donor: Fred Capossela, K6SSS

**World—1.8 MHz**  
**OH0MEP**  
 Donor: Kenneth Byers, Jr., K4TEA

**USA—28 MHz**  
**Melvin Brafford, W4YV**  
 Donor: Michael Conatore, AA7NX

**USA—21 MHz**  
**John Taylor, K5MR**  
 Donor: Wayne Carroll, W4MPY

**USA—14 MHz**  
**Dave Donnelly, K2SS/1**  
 Donor: Northern Illinois DX Assn.

**USA—7 MHz**  
**W0UN (Opr. George Schultz, W0UA)**  
 Donor: Jan Perkins, N6AW  
 (W6AM Memorial)

**USA—3.5 MHz**  
**Robye L. Lahlum, W1MK**  
 Donor: Bill Feidt, NG3K

**USA—1.8 MHz**  
**Jeffrey Briggs, K1ZM**  
 Donor: Peter Hutter, WW2Y

**Canada (14 MHz)**  
**VE6JY (Opr. Gary Caldwell, VE6WQ)**  
 Donor: Radio Amateurs of Canada

**Carib./C.A. (7 MHz)**  
**TE1C (Opr. Carlos Fonseca, T12CF)**  
 Donor: Snake River Contest Club

**Europe—28 MHz**  
**Arpad Berke, S51AY**  
 Donor: John Pryor, K4OGG

**Europe—21 MHz**  
**Tine Brajnik, S50A**  
 Donor: Robert Naumann, KR2J

**Europe—14 MHz**  
**Maurizio Tramuto, IT9TQH**  
 Donor: Maud Slater  
 (G3FXB Memorial)

**Europe—7 MHz**  
**Sobon Krzysztof, SP7GIQ**  
 Donor: Ivo Pezer, 5B4ADA/T93A

**Europe—3.5 MHz**  
**SN3A (Opr. Czeslaw Dubicki, SP3HLM)**  
 Donor: Frankford Radio Club  
 (K3VW Memorial)

**Europe—1.8 MHz**  
**Zbigniew Leszczynski, SP5GRM**  
 Donor: Pat Barkey, WA8YVR, &  
 Terry Zivney, N4TZ

**Japan—21 MHz**  
**Akito Nagi, JA5DQH**  
 Donor: DX Family Foundation

**MULTI-OPERATOR, SINGLE TRANSMITTER**  
**World**  
**HC8N (Oprs. WN4KKN, WX3N, AG9A)**  
 Donor: Anthony Susen, W3AOH

**U.S.A.**  
**K1AR (Oprs. K1AR, K1EA, K1GQ,  
 K5ZD, KM9P)**  
 Donor: Douglas Zwiebel, KR2Q

**Canada**  
**VA9DH (Oprs. VE1DH, AK4L, K2NJ,  
 VE9DX, VE9WH, WA2ASM)**  
 Donor: Eastern Canadian DX Assn.

**Carib./C.A.**  
**VP2MDE (Oprs. K5GA, W5ASP,  
 N5DU, N5RP)**  
 Donor: North Nevada DX Contest Club

**Europe**  
**IQ4A (Oprs. I4EAT, I4IKW, I4IND, I4LCK,  
 I4PVP, I4TJE, I4VEQ, I4K4CF, I4DCT,  
 I44EWK, I44QJH, I44XQH, I42NCJ)**  
 Donor: Friends of K3AO  
 (K3AO Memorial)

**Oceania**  
**AH0T (Oprs. JA6VZB, JI3ERV, JK3GAD,  
 JR7OMD)**  
 Donor: Junichi Tanaka, JH4RHF

**MULTI-OPERATOR, MULTI-TRANSMITTER**  
**World**  
**TY5A (Oprs. G3SXW, GM3YTS, K5VT,  
 KC7V, N7BG)**  
 Donor: Doug Zwiebel, KR2Q  
 (K2GL Memorial)

**World—SSB/CW Combined**  
**9A1A: 31,757,004**  
 Donor: Ehrhorn Technological Operations

**U.S.A.**  
**N2RM (Oprs. N2RM, KZ2S, N2AA,  
 KA2AEV, WT3Q, K8GL, N2NT, WZ1R,  
 W2RQ, KR2J)**  
 Donor: Bob Ferrero, W6RJ  
 (N6RJ Memorial)

**Europe**  
**TK2C (Oprs. DF9LJ, DL2NBU, DL4RDJ,  
 DL6RAI, TK5EP, TK5NN, UA2FJ, UA2FM)**  
 Donor: Finnish Amateur Radio League

**Japan**  
**JA3ZOH (Oprs. JH3DPB, JH3PRR,  
 JG3KIV, JG3MRT, JG3WDN, JI3OPA,  
 JM3XKG, JH4CES, JH4FF, JH4NMT,  
 JF4FUF, JG4CLV, JK4KSD)**  
 Donor: Ryoza Goto, JH3JYS

**CONTEST EXPEDITIONS**  
**World—Single Operator**  
**Phil Goetz, 3B8/N6ZZ**  
 Donor: Yankee Clipper Contest Club

**World—Multi-Operator**  
**TY5A (Oprs. G3SXW, GM3YTS, K5VT,  
 KC7V, N7BG)**  
 Donor: Bill Schneider, K2TT

**SPECIAL SINGLE OPERATOR AWARD**  
**World—All Band Under 21 Years Old**  
**Martin Lindwall, SM7UYS**  
 Donor: Bruce Sawyer, AA6KX

**CLUB**  
**World SSB/CW**  
**Frankford Radio Club: 278,642,809**  
 Donor: CQ Magazine  
 (W1WY Memorial)

**NON-USA SSB/CW**  
**Rhein-Ruhr DX Association: 96,401,762**  
 Donor: Northern California Contest Club  
 (N6AUV Memorial)

## TOP SCORES

### WORLD

<p><b>SINGLE OPERATOR HIGH POWER</b> <b>All Band</b></p> <p>EA8EA 12,402,642 PY0FF 10,427,400 P40W 9,278,280 ZD8Z 8,047,364 C4A 7,410,858 8P9Z 7,131,914 9Y4H 7,124,700 P49V 7,042,488 3B8/N6ZZ 6,881,690 A92Q 6,457,388</p> <p><b>28 MHz</b></p> <p>ZX5CW 118,065 5N0/OK1MU 88,395 XV7SW 19,604 EA8ZS 12,801 W4YV 9,412 S51AY 7,007</p> <p><b>21 MHz</b></p> <p>ZW5B 1,359,881 CX6VM 779,955 S50A 396,708 CT1FJK 309,816 F5NBX 288,627 S51FA 277,820</p>	<p><b>14 MHz</b></p> <p>9M6NA 1,143,930 IG9R 1,126,472 CX0CW 1,065,075 CT9U 1,058,145 VE6JY 978,950 HZ1AB 828,856</p> <p><b>7 MHz</b></p> <p>YV5A 1,364,465 TE1C 1,062,302 IG9A 1,047,591 PA6A 919,853 SP7GIQ 913,605 HA9BVK 780,440</p> <p><b>3.5 MHz</b></p> <p>ON4UN 642,600 P40J 641,245 SN3A 549,310 DJ7AA 390,300 LX4B 385,710 UU1J 379,696</p> <p><b>1.8 MHz</b></p> <p>OH0MEP 251,136 SP5GRM 207,000 4X4NJ 200,735</p>	<p>OY9JD 174,930 EK6GC 173,604 K1ZM 142,358</p> <p><b>LOW POWER</b> <b>All Band</b></p> <p>9X4WW 4,121,685 7Q7A 3,645,398 TA4ZM 3,640,040 WP2AHW 3,524,044 CN2PK 3,428,820 EA7CEZ 2,517,597 US1E 2,345,056 S59AA 1,888,176 K2SG 1,789,468 KR2Q 1,599,336</p> <p><b>28 MHz</b></p> <p>LW4DYI 83,283 YV6AZC 60,526 LU8HSO 58,020 AZ9W 51,852 VK4XA 25,604 4X1VF 6,063</p> <p><b>21 MHz</b></p> <p>LU4FM 679,896 4Z3T 480,402</p>	<p>VK2APK 460,768 EA8ADJ 352,800 ON4RU 284,258 LS7EE 231,000</p> <p><b>1.8 MHz</b></p> <p>HA8EK 103,693 HA8BE 100,900 DL5MHB 46,160 UN2O 42,904 SM7/T94BO 39,910 LY2OU 32,538</p> <p><b>QRP</b> <b>All Band</b></p> <p>DL2HBX 715,035 AA2U 602,089 PV2U 564,756 LY3BA 540,379 JA6GCE 438,084 KP4DDB 296,823 DL3KVR 249,444 YT7TY 236,032 JA6UBK 227,724 YU1LM 202,248</p> <p><b>ASSISTED</b> <b>All Band</b></p> <p>K3WW 4,179,600 K2WK 3,956,248</p> <p><b>7 MHz</b></p> <p>TA2/OK1EE 355,850 VK6VZ 337,906 PA3AAV 299,880 HA8RH 242,214 JH7JVJ 212,652 VK1FF 199,066</p> <p><b>3.5 MHz</b></p> <p>UA0SMM 165,658 ES2RJ 166,320 T99W 134,726 RA9AE 121,072</p> <p><b>21 MHz</b></p> <p>ON4RU 284,258 S57J 172,029 UA4LL 166,716 OK1ABP 115,843 YU7KWX 90,272 S51QZ 80,040</p> <p><b>14 MHz</b></p> <p>Z30M 560,248 IR9A 365,286 DL1YAW 302,917</p> <p><b>1.8 MHz</b></p> <p>HA8EK 103,693 HA8BE 100,900</p>	<p>EA8CN 105,160 UA3WU 99,120</p> <p><b>21 MHz</b></p> <p>S52UT 212,824 RA3DUT 210,532 S57U 209,808</p> <p><b>7 MHz</b></p> <p>PA3AAV 299,880 HA8RH 242,214 SP2FAP 206,920 HA8JP 193,130 OE6MMD 171,958 HA3PT 160,160</p> <p><b>3.5 MHz</b></p> <p>ES2RJ 166,320 T99W 134,726 UA3WU 99,120 RV6LNA 88,061 DL5FDA 88,026 HA7JJS 77,088</p> <p><b>1.8 MHz</b></p> <p>HA8EK 103,693 HA8BE 100,900</p> <p><b>21 MHz</b></p> <p>ON4RU 284,258 S57J 172,029 UA4LL 166,716 OK1ABP 115,843 YU7KWX 90,272 S51QZ 80,040</p> <p><b>14 MHz</b></p> <p>Z30M 560,248 IR9A 365,286 DL1YAW 302,917</p> <p><b>1.8 MHz</b></p> <p>HA8EK 103,693 HA8BE 100,900</p>	<p>K2TW 3,718,806 N3AD 3,088,470 G3ZEM 3,002,975 DK3GI 2,938,434 K2SX/1 2,738,177 KE2PF 2,259,750 DJ2YA 2,198,248 DK8FD 2,193,091</p> <p><b>MULTI-OPERATOR SINGLE TRANSMITTER</b></p> <p>HC8N 14,302,820 4M5X 10,277,794 VP2MDE 9,085,230 K1AR 9,008,245 EA9EU 8,496,792 3V8BB 7,662,336</p> <p><b>MULTI-OPERATOR MULTI-TRANSMITTER</b></p> <p>TY5A 21,994,325 TK2C 15,648,052 9A1A 15,394,068 N2RM 12,765,600 VP5FOC 12,382,625 W3LPL 12,439,905</p> <p><b>21 MHz</b></p> <p>S50A 396,708 CT1FJK 309,816</p> <p><b>7 MHz</b></p> <p>PA3AAV 299,880 HA8RH 242,214 SP2FAP 206,920 HA8JP 193,130 OE6MMD 171,958 HA3PT 160,160</p> <p><b>3.5 MHz</b></p> <p>ES2RJ 166,320 T99W 134,726 UA3WU 99,120 RV6LNA 88,061 DL5FDA 88,026 HA7JJS 77,088</p> <p><b>1.8 MHz</b></p> <p>HA8EK 103,693 HA8BE 100,900</p> <p><b>21 MHz</b></p> <p>ON4RU 284,258 S57J 172,029 UA4LL 166,716 OK1ABP 115,843 YU7KWX 90,272 S51QZ 80,040</p> <p><b>14 MHz</b></p> <p>Z30M 560,248 IR9A 365,286 DL1YAW 302,917</p> <p><b>1.8 MHz</b></p> <p>HA8EK 103,693 HA8BE 100,900</p>
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### EUROPE

<p><b>SINGLE OPERATOR HIGH POWER</b> <b>All Band</b></p> <p>OM8A 4,404,480 GI0KOW 4,083,632 G4BUO 3,755,334 YU7AV 3,396,304 YT1AD 3,355,744 PA3DZN 3,230,370 YU7BW 3,028,013 S53R 2,787,480 DJ6QT 2,629,812 ZA1AJ 2,526,230</p> <p><b>28 MHz</b></p> <p>S51AY 7,007 DJ7PT 3,081 G0AEV 2,484 UT8IM 551 OK1TW 468</p> <p><b>21 MHz</b></p> <p>S50A 396,708 CT1FJK 309,816</p>	<p>F5NBX 288,627 S51FA 277,820 US2WV 223,825 G4ODV 214,060</p> <p><b>14 MHz</b></p> <p>IT9TQH 654,978 RW1ZA 571,132 EU1AA 567,920 YR4A 526,864 OK1RF 548,892 LZ7G 489,078</p> <p><b>7 MHz</b></p> <p>SP7GIQ 913,605 PA6A 811,146 HA9BVK 780,440 S56M 768,545 S57AL 616,952 SM0KCO 479,007</p> <p><b>3.5 MHz</b></p> <p>ON4UN 642,600 SN3A 549,310</p>	<p>DJ7AA 390,300 LX4B 385,710 UU1J 379,696 OH3BZY 348,834</p> <p><b>1.8 MHz</b></p> <p>OH0MEP 251,136 SP5GRM 207,000 OY9JD 174,930 ZB2X 141,120 G3XTT 135,660 DL1IAO 134,392</p> <p><b>LOW POWER</b> <b>All Band</b></p> <p>EA7CEZ 2,517,597 US1E 2,345,056 S59AA 1,888,176 HA8FM 1,509,770 SP4EEZ 1,090,600 S54A 979,032 DK9IP 895,400 EA7TG 845,875</p>	<p>G3SWH 805,896 SN7L 758,940</p> <p><b>28 MHz</b></p> <p>YO9AGI 3,069 EA5AAJ 1,748 DJ5GG 1,148 S52SK 357 T99T 285 SM5DUT 6</p> <p><b>21 MHz</b></p> <p>ON4RU 284,258 S57J 172,029 UA4LL 166,716 OK1ABP 115,843 YU7KWX 90,272 S51QZ 80,040</p> <p><b>14 MHz</b></p> <p>Z30M 560,248 IR9A 365,286 DL1YAW 302,917</p>	<p>S52UT 212,824 RA3DUT 210,532 S57U 209,808</p> <p><b>7 MHz</b></p> <p>PA3AAV 299,880 HA8RH 242,214 SP2FAP 206,920 HA8JP 193,130 OE6MMD 171,958 HA3PT 160,160</p> <p><b>3.5 MHz</b></p> <p>ES2RJ 166,320 T99W 134,726 UA3WU 99,120 RV6LNA 88,061 DL5FDA 88,026 HA7JJS 77,088</p> <p><b>1.8 MHz</b></p> <p>HA8EK 103,693 HA8BE 100,900</p>	<p>DL5MHB 46,160 SM7/T94BO 39,910 LY2OU 32,538 OK2PWJ 30,877</p> <p><b>MULTI-OPERATOR SINGLE TRANSMITTER</b></p> <p>IQ4A 7,030,000 EA6IB 6,931,600 DF0HQ 6,310,953 SN2B 5,672,828 OH2HE 5,561,388 TM9C 5,459,592</p> <p><b>MULTI-OPERATOR MULTI-TRANSMITTER</b></p> <p>TK2C 15,648,052 9A1A 15,394,068 HG73DX 10,541,466 EM2I 10,217,031 YT9W 9,412,552 GX0AAA 9,262,892</p>
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### USA

<p><b>SINGLE OPERATOR HIGH POWER</b> <b>All Band</b></p> <p>W1KM 5,127,270 N6BV/1 4,261,624 KC1XX 4,167,383 K3ZO 4,111,064 N2LT 4,075,298 K5ZD/1 3,780,024 W3BGN 3,565,706 KT3Y 3,518,820 W6XR/2 3,473,415 KQ2M 3,334,840</p> <p><b>28 MHz</b></p> <p>W4YV 9,412 KE5FI 4,171 K9OM 3,366 W6KfV 2,772 W2HG 2,744 N4BP 2,580</p>	<p><b>21 MHz</b></p> <p>K5MR 237,600 K2MT 217,257 N4CT 189,552 W6YA 163,674 N6MU 93,951 K13L/5 78,383</p> <p><b>14 MHz</b></p> <p>K2SS/1 768,852 N7TT 359,100 K9QVB 324,478 AA4M/0 275,706 W9OF 263,544 KV4P 240,812</p> <p><b>7 MHz</b></p> <p>W0UN 683,060 W6GO 633,919 AA4NC 492,900 W3GH 434,080 N7DD 398,958 K9DX 361,140</p>	<p><b>3.5 MHz</b></p> <p>W1MK 349,596 WE3C 163,625 K4PI 141,812 K8OQL 102,960 K8MD 39,688 KN5S 37,518</p> <p><b>1.8 MHz</b></p> <p>K1ZM 142,358 WB9Z 101,971 W0ZV/4 61,578 KV0Q 47,460 W8UVZ 44,589 W2VO 43,650</p> <p><b>LOW POWER</b> <b>All Band</b></p> <p>K2SG 1,789,468 KR2Q 1,599,336 K7SV/4 1,514,735</p>	<p>K8PO/1 1,490,760 AC1O/4 1,263,140 N2BA 1,145,952 WS1E 882,189 K2PH 866,565 KM1X 819,790 WA0QOA/2 675,920</p> <p><b>28 MHz</b></p> <p>WB5CRG 3,220</p> <p><b>21 MHz</b></p> <p>WB4TDH 146,699 N15M 70,730 A12C/4 67,235 KJ6HO 51,152 NY5B 45,493 WA9BOW 43,120</p> <p><b>14 MHz</b></p> <p>K9KU 201,965 N4MO 201,066</p>	<p>N4TJ 132,736 K2MFY 131,856 W4PLL 100,480 W8UMR 82,718</p> <p><b>7 MHz</b></p> <p>AA2SZ 103,220 W9CH 67,832 K9MMS 53,560 KF5U 41,322 WW3S 40,470 N4OT 37,932</p> <p><b>3.5 MHz</b></p> <p>W4HM 15,312 W9IL 12,852 W1NH 709</p> <p><b>1.8 MHz</b></p> <p>N8RFK 8,007 WA8MEM 28</p>	<p><b>MULTI-OPERATOR SINGLE TRANSMITTER</b></p> <p>K1AR 9,008,245 N3RS 7,322,805 N2NU 7,311,630 K1DG 7,119,538 K8AZ 6,074,623 K1ZZ 6,071,210</p> <p><b>MULTI-OPERATOR MULTI-TRANSMITTER</b></p> <p>N2RM 12,765,600 W3LPL 12,439,905 K3LR 11,908,899 K1KI 11,680,892 KY1H 9,718,302 KY3N 7,256,201</p>
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of the northern lights. "If only we could get more multipliers," we can hear them saying.

## Team Contesting

It sure is nice to see an increase in interest in this category. The pros in team contesting are the guys from the Southern California Contest club. Once again they scattered all over the world to make the contest more interesting. In second and third place, respectively, were the Yugoslavian team and Slovenian team #1. The key to doing well in this category is to choose team members who will have a good score, or go on a DXpedition yourself. That helps your score, your club, and your team all at once.

## New Records

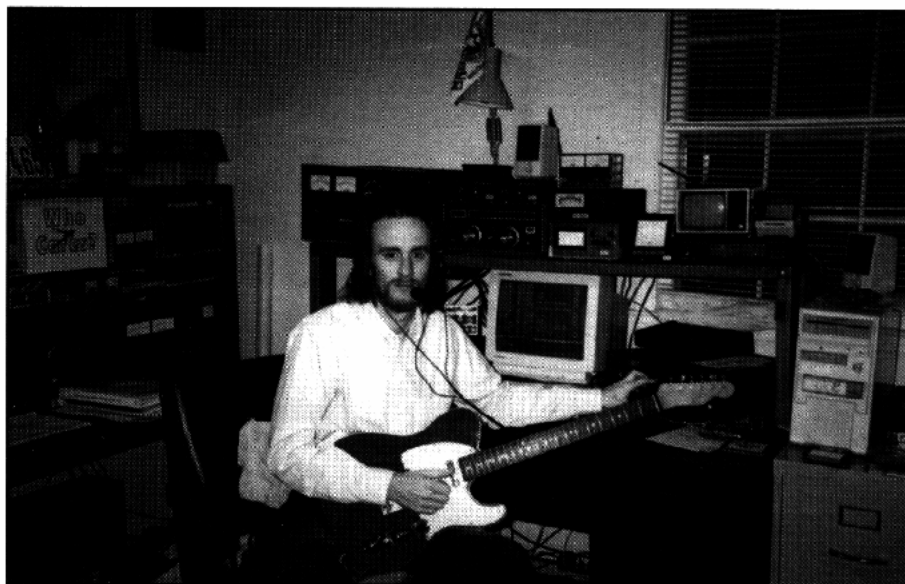
Congratulations to the following operators who set new world or continental records.

CW World: 1.8 MHz OHØMP, 7 MHz YV5A (OHØXX), Multi-Single HC8N. CW World Low Power: 9X4WW (ON4WW). CW Continental: Asia 1.8 MHz 4X4NJ, Europe 1.8 MHz OHØMEP, Europe 3.5 MHz ON4UN, South America 3.5 MHz P4ØJ (WX4G), South America 7 MHz YV5A (OHØXX).

In the September SSB results we did not report those record setters. They are as follows: SSB World: 3.5 MHz IG9T (IV3TAN). SSB Continental: Africa 1.8 MHz IG9W (IV3SHF), Africa 3.5 MHz IG9T (IV3TAN), Africa 7.0 MHz IG9A (IT9GSF), Africa 14 MHz ZD8Z (N6TJ), Asia 14 MHz 4X6TT, Oceania 7 MHz 9M8R (W7EJ), South America 1.8 MHz P49I (K4PI).

## Comments

**Rule XI.** Take a look at the rules that appeared in the September issue of CQ. Notice the change in rule XI.5. The log-checking process of the CQ WW has evolved to the point where we feel that we can accept your log on disk accompanied by a paper summary sheet. So



Will, AA4NC, tunes the band for multipliers.

if you wish to submit your log on disk plus paper summary sheet, you now can do it. In addition to the summary sheet, please include your check sheet (dupe sheet) as required by Rule XI.9. Rule XI.9 states that all entrants are required to submit cross-check sheets (an alphabetical list of calls worked) for each band on which 200 or more QSOs were made. So to summarize the change: You can submit your log on paper or on disk with a paper summary sheet and check sheets.

Please look at rule XI.5 and follow the suggested log instructions. If you feel that your log might end up in the top score boxes, you are **required** to submit an IBM-compatible disk containing your log. We would like to encour-

age all participants to send disks plus paper summary sheet.

## Packet

All of us know that packet radio is pervasive. It provides easy access to other amateurs. It also can be a problem. For some unexplained reason some people believe that using packet makes them a plain single operator. It does not. It makes you assisted. Assisted means that you are getting help. True single operator means getting no help. There have been abuses of packet radio in recent years by entrants who are claiming single op but are really *using* packet radio. If you are entering the single operator

## 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
EA8EA	321/18/55	916/23/70	1555/33/97	1434/38/107	1895/33/106	2182/21/57
PYØFF	215/16/41	491/21/60	983/29/83	1607/34/107	2285/33/111	2042/20/45
P4ØW	367/15/52	569/22/68	1404/29/87	1592/30/91	1578/28/90	287/12/16
ZD8Z	83/14/28	366/19/52	636/29/76	1316/33/105	2173/30/108	279/19/46
C4A	203/11/47	50/21/70	1638/32/99	1314/34/104	991/30/89	13/6/11
ØP9Z	323/13/35	619/18/68	1706/30/86	1198/27/82	1633/27/88	187/12/16
9Y4H	370/17/44	693/28/75	1041/29/58	1188/28/86	1333/24/89	124/13/17
P49V	255/14/45	472/22/70	1175/23/80	1288/30/80	1446/26/80	193/10/12
3BØ/N6ZZ	0/0/0	71/22/48	825/32/77	949/35/101	2270/33/111	359/24/79
AØ2Q	50/9/33	512/21/69	1316/31/92	1151/35/104	1290/30/94	15/11/13

### WORLD MULTI-OPERATOR SINGLE TRANSMITTER

HC8N	374/14/46	712/26/77	1770/36/115	2128/37/119	1845/29/103	423/20/43
4M5X	183/16/47	429/23/113	1985/35/113	1114/31/108	1601/30/105	115/13/28
VØ2MDE	69/16/47	497/23/81	2153/30/112	1641/28/100	1229/14/22	23/14/22
K1AR	82/21/73	613/28/102	1479/39/135	1180/37/138	712/29/117	18/12/20
3VØØ	176/8/36	937/18/68	1242/29/92	1631/36/102	79/13/86	13/17/13
IQ4A	72/18/20	453/34/112	1556/39/133	1271/40/120	509/35/102	67/10/37

### WORLD MULTI-OPERATOR MULTI-TRANSMITTER

TY5A	95/14/46	871/24/83	2243/33/109	3654/38/132	3009/35/126	335/19/66
TK2C	1276/22/85	2190/33/112	2960/39/138	2164/38/128	1478/37/129	110/10/32
9A1A	1007/22/82	1967/35/119	2748/39/141	2082/40/147	1254/38/135	105/16/35
N2RM	233/21/70	729/28/106	1830/39/138	1810/38/152	1031/29/124	100/14/29
W3LPL	246/21/78	832/29/103	1533/38/134	1924/40/154	908/31/125	160/17/37
VØ5FOC	554/12/40	1568/27/88	2114/31/93	2795/37/115	2274/29/79	102/12/12

### USA TOP SINGLE OPERATOR, ALL BAND

Station	160	80	40	20	15	10
W1KM	96/16/49	741/27/86	874/31/91	1010/33/102	450/23/84	7/6/6
N6BV/1	71/12/37	466/20/68	805/30/100	621/32/97	835/26/92	16/7/8
KC1XX	40/10/32	460/19/68	1211/26/82	833/28/83	580/22/74	6/4/7
K3ZO	56/14/42	283/22/73	817/35/102	970/33/102	437/25/99	10/4/5
N2LT	57/12/39	205/18/66	752/34/97	820/34/103	745/26/99	7/6/8
K5ZD/1	71/12/44	386/17/59	950/32/84	885/30/85	430/24/74	14/6/11
W3BGN	116/14/52	247/19/61	811/28/85	710/30/86	544/23/80	17/11/13
KT3Y	28/9/27	246/19/63	755/34/98	835/33/103	481/25/85	20/10/13
W6XR/2	26/10/18	377/19/70	723/32/100	837/33/98	508/25/84	8/3/3
KQ2M/1	30/11/27	315/19/74	824/33/96	689/31/101	354/25/82	14/9/12

### USA MULTI-OPERATOR SINGLE TRANSMITTER

K1AR	82/21/73	613/28/102	1479/39/135	1180/37/138	712/29/117	18/12/20
N3RS	60/17/61	291/24/84	1399/38/134	925/39/148	754/28/121	30/13/28
N2NU	127/20/71	504/28/92	1094/39/130	1196/39/146	422/28/13	33/15/32
K1DG	86/17/60	562/28/96	1096/37/130	986/37/134	712/30/117	23/11/22
K8AZ	61/15/58	286/25/89	948/39/128	1298/39/142	404/28/109	25/10/21
K1ZZ	81/17/60	315/28/93	830/35/119	1237/37/136	468/29/116	27/13/27

### USA MULTI-OPERATOR MULTI-TRANSMITTER

N2RM	233/21/70	729/28/106	1830/39/138	1810/38/152	1031/29/124	100/14/29
W3LPL	246/21/78	832/29/103	1533/38/134	1924/40/154	908/31/125	160/17/37
K3LR	290/22/75	683/31/109	1365/39/135	1928/39/159	897/30/122	118/15/31
K1KI	346/21/78	688/27/99	1764/38/139	1546/38/143	947/29/121	100/16/29
KY1H	184/21/68	590/28/92	1123/37/126	1606/38/139	747/28/113	96/15/28
KY3N	154/19/65	286/21/63	1389/39/129	1014/38/138	694/29/115	47/13/24



not assisted category, the best thing you can do is to unplug your 2 meter rig and TNC during the contest. If you do that, you will not be tempted to take a look at packet.

If you choose the Assisted or Multi categories, you can use packet, but only passively. That means you can send spots and look at spots, but *not* solicit specific information or calls to aid your log. You can *not* say, "Let me know when you hear that JT again; I need it." If you have someone actively looking for that JT for you, then you are no longer single operator Assisted; you are Multi-Single. You are then faced with a violation of two parts of rule III: For all categories, transmitters and receivers must be located within a 500 meter circle or the station owners property, whichever is larger and, only the entrant's callsign can be used to aid the entrant's score.

## Unique QSOs

As many of you have read in *CQ Contest* magazine, unique QSOs are those contacts that appear in only your log when your log is compared against the disks of all other entrants. You can imagine how difficult it is to work a unique QSO if you are in the USA, Europe, or Japan, for example. Suppose you are a W1 and your log shows 10% uniques on 20 while others in your category show an average of 1% uniques. There are probably 200 disks available to the committee from stations on the east coast of the US. These logs contain single op all band, single band, and multis. You are now claiming that 8% of your log was *not* worked by any other station in the database. This 8% is a significant boost to your score.

With many years of experience behind the log-checking process, the CQ WW Committee can say that at least 90% of all uniques in a non-propagationally isolated area are mis-copied calls. Your 8% increase in QSOs might make the difference to win. This is wrong, and we spend considerable effort in removing bad QSOs from a log.

There are probably 0.5% uniques in a clean, skillful effort. You can readily see that copying and logging skill are rewarded in the CQ WW. A not-too-often-mentioned aspect of the contest is the training of a cadre of operators who accurately copy and log information.

## CQ WW CW Expansion

Look for increased reporting of the CQ WW on the pages of *CQ Contest* magazine. Space requirements in *CQ* limit the number of tables and the amount of analysis we can present. *CQ Contest* provides the opportunity for further coverage. Randy, K5ZD, will help write the expansion for *CQ Contest* for the 1996 contests. Profiles for *CQ Contest*, including interesting propagation and your contest story, would be of special interest to us. Please send your information and pictures to K3EST (e-mail <k3est@netcom.com>).

## WRTC and Thanks

This was a very interesting year in amateur radio. The WRTC, which occurred in July, was major a generator of the true amateur spirit. Many of the participants, both local and distant, can be found in almost all contests. They understand the need to participate and hone their skills. Whoever you are, you can get on in the

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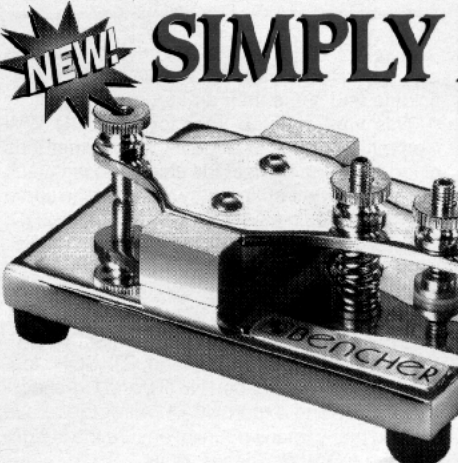
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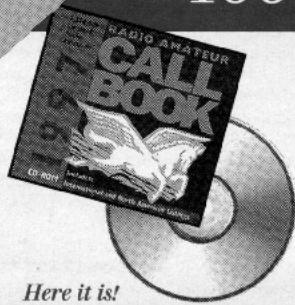
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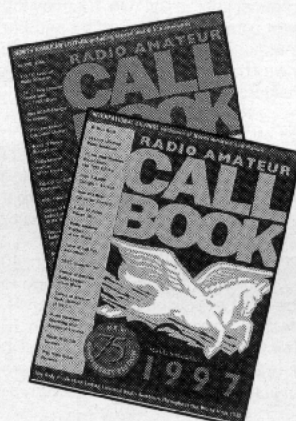
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R7000 7, 10, 14, 18, 21, 24, 28-MHz. Vertical . . . . .	\$349.00
AR-2 2-Meter, Ringo Vertical . . . . .	35.00
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ARX-220B 220-MHz., Ringo Ranger II Vertical . . . . .	51.00
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A50-3S 50 To 54-MHz., 3-Element Beam . . . . .	78.00
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124WB 144 To 148-MHz., 4-Element Beam . . . . .	51.00
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1382 144 To 148-MHz., 13-Element Beam . . . . .	100.00
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RS-7A 13.8 VDC, 7 Amp Int., 5 Amp Cont. . . . .	\$49.50
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RS-35A 13.8 VDC, 35 Amp Int., 25 Amp Cont. . . . .	141.50
RS-35M Same As RS-35A, With Meters . . . . .	159.50

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UPS/Insurance Charges Are Additional  
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**LaRue Electronics**

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SCRANTON, PENNSYLVANIA 18509  
PHONE (717) 343-2124

CIRCLE 47 ON READER SERVICE CARD

"CQ WW—The Big One" to meet the famous and newcomer alike. All are welcome to participate and flame their amateur radio spirit.

This was a tough year for your CQ WW Committee. We had to develop new methods of log checking to meet the challenge high tech brings. We were able to stay ahead of the curve thanks to log checkers K1DG, N3ED, W2RQ, N2AA, KR2Q, WA8YVR, WR3G, W9RE, KR0Y, K6NA, N6ZZ, W7EJ, K3UA, KR2J, and KZ2S; special advisors K3ZO, W3ZZ, and WN4KKN; DX advisors G3SXW, UA9BA, S50A, OK2FD, EA3DU, I2UIY, JE1CKA, DL6RAI, OH2KI, OH2MM, PY5EG, and CT1BOH; log-checking software expert N6TR; and log-checking advisor and expert N6AA. All of the above worked many, many hours to ensure the integrity of the CQ WW. Thanks, guys.

Congratulations to all of you who won or accomplished your objectives. See you in the CQ WW!

73, Bob, K3EST

**USA QRM**

Condx were better than expected—very high participation and no noise problems. Worked NL7G on all bands and HC8N on 5. Tks everyone for the Q's . . . AG6D. My main goal was to work all-time new ones. I achieved that goal on very first QSO: BV! . . . AA0CY7. I worked several new ones, which was my goal. See you next time . . . AA0NB. We both enjoyed the fast pace and the hours of the contest . . . AA3GQ. Great 40 meter conditions. I got my new ant up a week before the contest . . . AA4NC. Was on 80 meters and accidentally the wrong memory button. Ended up on 40 meters with all the narrow filters on; it left me exactly zero beat with VK9XH between two very strong W stations. Worked him on first try! . . . AA7FL.

This was my first CQ WW. Golly I sure had fun! . . . AA7UC. Nice to hear activity again on 15 CW and good ops and condx both days . . . AA9KH. After not sleeping for 60 or so hours towards the end of the contest, I started seeing undulating patterns in the carpet, monitor, and radio's readouts. I got to wondering if I was hearing things, too . . . AB6FO. Well, this is one I'll never forget. Called my eye doctor at 2 AM Sunday with signs of a detached retina. Gave up 80 minutes of prime time that morning to see doctor. He said, "It's not your retina; lighten up!" On Tuesday the detached retina was correctly diagnosed by another doctor and was reattached in a 3 1/2 hour procedure . . . AC1O4. Forty was hot! I could not believe the signal strengths, considering I'm using some fairly simple wire antennas . . . AD4KE.

I hope I live long enough for the good propagation to come back . . . AE2N. Forty meters was the best I have very experienced. All parts of the world coming in at once . . . AJ6V. Best condx on the low bands that I have ever heard. Forty was truly awesome with major EU signals bombing in well before local sunset . . . N0AX7. Have never heard EU wall to wall on 40 meters at noon! . . . N7RO. How does CQ manage to get the K index to be 0 or 1 every contest?! . . . N6BV/1. This was the contest when the lights went out on 10 meters . . . N6AR/4. Our first attempt at MS. Guest ops enjoyed running 20-80 meters. Conditions were great at the bottom of the sunspot cycle. The team will be back next year . . . N2FF.

I am a Rip Van Winkle ham: I got my General ticket again last Feb. after a lapse of 33 years. With my 50W and a 2-element fixed X-beam in a town house attic, I worked 10 new countries! . . . N3UMA. I was a guest op at the N6NB station in the Tehachapi Mts. High winds forced us to keep the tower cranked down . . . N6MU. 26K—not bad for 100W, indoor dipoles up 25 feet, and the shack in condo bedroom. I thank the XYL for her tolerance . . . N2LKF. Condx were good on the graylines. Band was open into western and central Europe on both days for an hour or so . . . KC6X. You have to admire LS7EE's masterful control of his bug! . . . KN4ZT. Very exciting to operate under my call and amazed by score using only low wire antennas . . . KQ2M.

Biggest thrill was working G4BUO on 160 using 5W! . . . KR0B (Opr. AF97). One-sixty meter condx were great! Actually beat USA all-time record from CO! . . . KV0Q. What can I say? One-sixty was fabulous! I only heard three mults I couldn't get: JA, T77, and ER3. I got 84! . . . K1ZM. First WW contest since 1952 when I operated from Libya as 5A2TC. It's a whole different ball game! . . . K2ZA. Seventeen days before contest I had open-heart surgery. Do I set the record for fastest return to contesting? . . . K4VUD. My 39th year in this bash—still the best! . . . K7ABV. ZL7PYD answered my CQ . . . W4YV. Working EA7CEZ on 40 meters with 5W and dipole. He was the only EU to hear me . . . W8QZA/6. New to 160 and what a blast! Felt like I was playing hide and seek rather than search and pounce . . . WA6KUI.

Condx on 40 meters were fantastic! I could hear EU from 22 through 17Z. Best 40 meter condx in my memory . . . W6BIP (age 81. Fantastic, BIP—ed.). Many thanks to W6XR for giving a west coast op a chance to try CQWW from the East Coast for the very first time. Man, what a difference! . . . W6XR/2 (Opr. N6TV). I tried my best, but K2SWZ with his attic dipoles still beat me . . . W2GMA. Condx unbelievable; 160 sounded like 20 . . . WB9Z. My vote for top op goes to 3B8/N6ZZ—quick on the draw, always signed his call, and he called me on 80! . . . W1KM. Nice condx on 40/80; best mult totals ever there . . . WB9HFO. My best effort on 40 meters—more mults, more QSOs. Really a fun contest . . . W6RCL. Forty meter band condx were superb! For example, JA stations were heard around the clock both long and short path . . . W8UCI.

Contesting is a lot like fishing—you plan, dream, get your gear together, and finally go to the water. You pick a spot and cast your line and hope for the "big one" to strike. When it's over, you go home and plan for the next time and talk about the one that got away. There are only 11 more months until the next one. I can hardly wait . . . W5CWQ. If 40 meters could talk, I think it would say, "I couldn't get solar, but I sure got polar!" . . . W0UN (Opr. W0UA).

**DX QRM**

I got licensed in May, 16 years old. This was my first CW contest . . . OE6MMD. We are located 1000m from Serb line . . . 9A3B. Power failure 15 minutes into contest had me worried . . . P40W (Opr. W2GD). Many common mults were missing, especially from Europe, Africa, and Central Asia . . . 4X4NJ. Despite the condx on 10 and 15, which were worse than last year, the final score was more than twice. Was surprised by being called on 160 by VE1ZZ, WB9Z, and P40W . . . TA4ZM (Opr. DK5WL). I have been building my antennas entire autumn. I really had fun. Next year we will be better prepared for the CQWW . . . OH6YF. I would like to thank my parents for food support for my first mono-band effort . . . F6FYA. My first CW contest. Made almost 250 QSOs. It was great! . . . UA10MX.

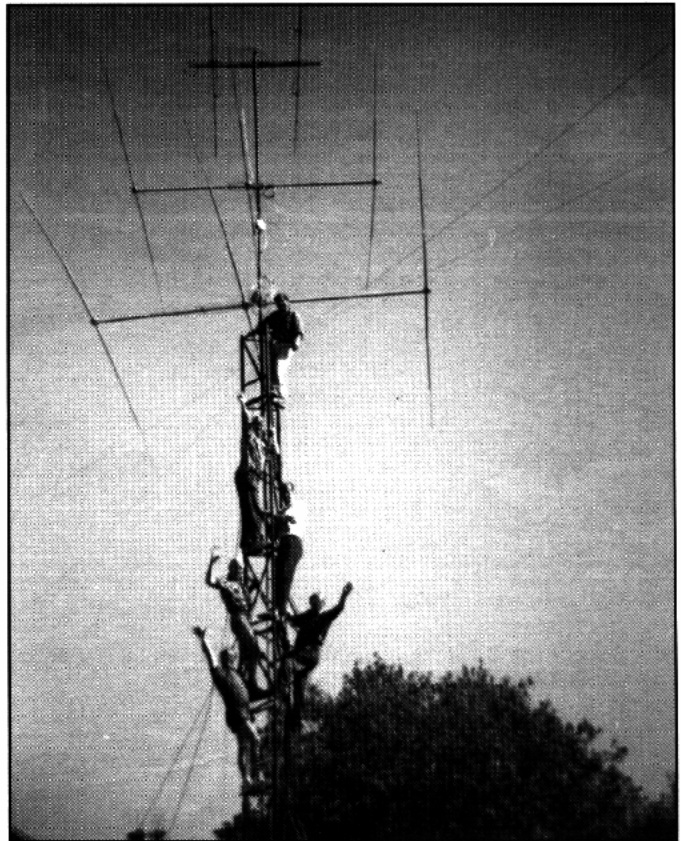
Forty meters was wide open to North America during entire contest! Next time will try new ant for this band . . . UA10MS. Due to fine propagation it was very good here. Missed 10 meter opening, if there was one. Too much QRN . . . RK9AWN. We enjoyed multi-multi for the first time in 40 years of Moscow University history. See you every contest . . . RU3A. First WW in almost a decade. By God's grace, I was able to put in a reasonable effort. I seem to have a knack for ending up in challenging locations. Last serious effort was from 2-point Mexico in early 1970s (XE11J/6D1AA/4C5AA). Zone 21 isn't zone 9 or 33, but it nevertheless was a fun time from the Arabian Gulf . . . A92Q. Big, big thanks to LU11V and family—LU71AQ, LU9DMC, LU6EBY—and my wife Sandra for their support . . . AY1I (Opr. LW9EJ).

Bad conditions in extreme on 10 meters . . . AZ9W (Opr. LUSUL). The worst condx on 28 MHz since I am active—1966 . . . 4X1VF. Arua is located in NW corner of 5X. There is normally commercial power between 7 and 10 PM. Normal 220 volt line runs 130-160 volts. I have seen it reach 200 volts only once . . . 5X4F. I am not sure of UA multipliers. Total QSOs three times last year! I did it! . . . 7N2DXF. Had to improve on 9X5EE new record. With a bit of luck I got there. Taking into account power fluctuations, failures, battery operation, and stormy wx, the propagation



## TOP SCORES IN MOST ACTIVE ZONES

Zone 3		Zone 14	
W7RM	1,654,020	GI0KOW	4,083,632
AB6FO	1,443,000	G4BUO	3,755,334
AA7CQ	793,854	PA3DZN	3,230,370
XM7NTT	689,475	*EA7CEZ	2,517,597
N7RO	667,680	DJ6QT	2,629,812
CK7A	666,094	G3KDB	2,398,466
*W6JTI	655,380	G0IVZ	2,372,150
W6GO	633,919	OY1CT	1,874,982
*N0AX/7	562,100	DL7UTM	1,586,667
XM7SBO	520,260	DL4MCF	1,540,948
Zone 4		Zone 15	
VE3EJ	5,023,118	OM8A	4,404,480
W9RE	3,180,906	YU7AV	3,396,304
K0RF	3,104,260	YT1AD	3,355,774
K5GO	2,022,246	YU7BW	3,028,013
K5YAA	1,516,736	S53R	2,787,480
K9MA	1,455,440	ZA1AJ	2,526,230
K0KX	1,299,913	OH6WZ	2,216,022
N7ML	1,282,157	OH1NSJ	2,204,186
WB0O	1,197,620	OH6KIT	2,176,416
K7UP/5	1,184,040	LY6M	2,059,695
Zone 5		Zone 25	
W1KM	5,127,270	JH5FXP	3,616,704
N6BV/1	4,261,624	JH7WKQ	2,249,124
KC1XX	4,167,383	JH4UHW	2,082,249
N2LT	4,075,298	JA8RWU	1,706,475
K3ZO	4,111,064	JA1DY	1,546,702
K5ZD/1	3,780,024	JH7XGN	1,165,056
W3BGN	3,565,706	*JE0LXR	973,245
KT3Y	3,518,820	JA9CWJ	924,603
W6XR/2	3,473,415	JA1JKG	840,642
KQ2M	3,349,840	*JF1SEK	824,912



The OL5T team climbs their tower to say hello!

must not have been that bad after all. See u next year from ? ... 9X4WW (Opr. ON4WW). The CQWW has been the best way to improve my poor DXCC on 80 meters. Nine new ones in a couple of days is a nice gift! ... EA3ALV.

Great fun on TOP BAND! Maybe beverages for next year ... EA6ACC. I always work with 4W. My conditions are not so good, but the important thing is participation ... EA7AAW. New rig and antenna tested on the best testing ground there is, the CQWW DX Contest ... EI6FR. Very hard job with QRP. I'm quite sure that the QRP class winner never, never is 80 meters! ... ES1CW. I love this contest! Thank you! ... EU4AA. Was a wonderful contest, I worked 37 zones and 97 DXCC with my vertical AP8A ... F5JKK. The very first contest for the French CQ gang. We'll be back next year! ... F5KAC. I QRV from my condominium. I built a fishing-rod antenna on my balcony. Low power category is very good for such a condominium ham. Hi! ... JE1SPY.

I have been enjoying CQWW since 1970s. This is the greatest contest! ... JL7PVR/1. N.A. big stations have very nice ear! ... JR4DAH. Was really surprised about the fantastic conditions on 40 meters to USA. Band is like 20 meters in top times! ... OE2BZL (Opr. DK5AD). The condx were excellent! My best result on the 40 meter band ... OK2GG. My license arrived the Thursday before the contest. Each zone and country was a new one! I've been an active SWL for many years, and it was a pleasure to work the guys! ... ON4CAS. I was not sure whether to operate 40, 80, or 160. I now know I missed two great days on 160—too bad! But I knew LX4B was going to attack my European record, so I wanted to defend it! ... ON4UN.

Just halfway through the contest I had 39 zones on 40 meters. Unfortunately, zone 12 never showed up! ... PA6A (Opr. PA3DFT). Never stay at home! ... SM6CNS (Opr. DU7CC). The 48 hrs of the contest made me happy! War, hunger, cold apartment, and all the difficulties my people face were forgotten for the moment. Contests are a real treasure, although you can't live on them ... T99W. I wish I lived in the

countryside and had a chance to run a beverage antenna ... UA3AGW. The ops at US4LWM were 12, 14, 15, 15, and 17 years old! ... editor. I was shocked when 3B8/N6ZZ, XZ1A, YB2UDH, W6 stns called me on long path on 80 meters ... UU1J (Opr. UU7JM). My cat, Kob, wanted to take part in CQWW. He caused some trouble with the PA! ... UX5VK.

Best ears to VS6WO who picked my call out of an awesome W pileup ... V31UA (Opr. K76V). Spectacular opening over the pole both day and night on 160. Broke all my previous records ... VE3DO. My first contest after a 10 year break! As SP5IFU had 5BDXCC. Starting over again ... VE3XSP. I always enjoy the mother of all contests ... VE6HPT. Had planned to operate all band, but became father of a baby girl just before contest ... VK1FF. The purpose was to have fun and that was easily achieved. VP2EHF and VP2EE did everything they possibly could to make things comfortable for me ... VP2EFO (Opr. K8MFO). Special tks to YO4WZ, YO4CIS, and YO4HW for constant support ... YR4A (Opr. YO4NF). Sunspot minimum was a powerful enemy on 28 MHz ... YV6AZC.

The power went off on Saturday morning and was not repaired until Tuesday! To stay in the contest feeling, I walked down to Vit, ZA1AJ, to make coffee for him, as he was lucky enough to have electricity ... ZA1AB (Opr. OH6MKT). KL7 did not hear my desperate calling on 160 ... ZB2X (Opr. OH2KI).

## STATION OPERATORS Multi-Op Single Transmitter

3V88B: DJ7IK, DL20BF, DL80BC, 4M5X: WM2C, WS4E, WX9E, X0PP, KE7X, YV5JDP. 4UBITU: DK1BT, DK7YJ, DL3DX, DL7UBA, DL7URH, DL7VDA. 8D2X: K5NU, K5TSO, W5VX, W5VZL, XE2KB, XE2DX, XE2YNS. 8S38G: SM3CER, SM3DMP, SM3PZG. 9A1HBC: 9A4KJ, 9A5MR. 9A5D: 9A2FK, 9A2TL, 9A3ID, 9A3DU, 9A3VM, 9A4SG. 9A6V: 9A2YD, 9A6V. AB2E & NU3Y, W61ER. AB7BS & KC7BNH. AG6D & K2MM, N4T00, NF6S. AH0T: JA6VZB, JI3ERV, JK3GAD, JR70MD. CG2ZP: VE2ZP, VA3ZC. DA1WA: DL1AO, DJ9CB, DJ0HB. DF0ESA: DL1AWI, DL5AWI, DL9AWI, DL3APO, DL1ASA, DL5XU. DF0HQ: DL1AUZ, DL3OI, DL4MM, DL5ANT, DL5AOM, DL5ARX, DL5AXX, DL8WAA. DF0RG: DJ9XT, DE1ARW, DE1FRW. DF6WS & DK7ZT,

DL7A0J, DL9ZD. DJ6TF & DJ7TD. DL6UST. DK0TZ: DL8SCT, DL4AAE, DL1SBF, DF5EN. DK0UB: DK7FP, DL1EFD, DL1EFO, DL1EKA, DL9XY.

DK6WL & DK20Y, DL1GGT, DL2MEH. DX9C: LA7JO, OH2BH. EA3CWK & EA3GFA, EA3AJW, EA3GGO. EA5BY: EA5CZ, EA5EU, EA5KW, EA5RS. EA5FX & EA5BM, EA5WU, EA5KK, EB5IFL. EA6IB: EA3AIR, EA3AKY, EA3DU, EA3KU. EA9EU & EA1AK, EA7TL, EA9AI, EA9GK, EA9UG. EI7M: EI4BZ, EI3DP, EI6BT, EI4HQ, EI5HC, EI5BH, EI6GF, EI8GS, EI7DNB. EX2M: Club. F5KAC: F5HON, F6HOT, F6JSZ. FGKCS: F5JCB, F5PRH. GB5WW: G3LZQ, G3SJJ, G3WYV, G3ZRS, G4BYG, G4DRS. GS4TMS: GM3FDN, GM4DGT, GM0AZC, GM0KMD, GM0KWL, GM0MZB, GM0TTY, GM0UUB. HA3KNA: HA3NS, HA3NU, HA3OV. HA4KYV: Fulop, Fulop, Roor, Skutovics, Kemeny, Hizob. HG5A: HA5IW, HA5OM, HA5ML, HA5MK, HA5VX, HA5COA, HA7RY, HA7VB, HA5UA. HG5M: HA5MY, HA5WA, HA5EH, HA5BVO, HA5AWP, HA5BBC, HA5OF, HA1DRJ. HG6V: Bak, Bota, Fulop, Papp, Suszter, Varga.

HG6Y: HA6DX, HA6OB, HA6KNV, HA6OY, HA6OI. HI3CVV: DL1GKG, DL2GGA. IJ2K: I2KHM, I2KUC, I2K2PFL, I2GXS. IK4UOP & IK4CFV, IK4COH, IK4LHC, IK4VPY, IK4UNZ. IJ2L: I2OKW, I2FGT, I2K2MLV, I2K2CF, I2K2NVU, I2K2YYE. IQ2W: I2K2FIQ, I2K2PZG, I2K2VFO, I2K2DUW. IQ2X: I2K2ZU, I2K2GSN, I2K2WAD, I2K2GKX, I2K2SGO, I2K2SAU, I2K2EAD, I2K2FVH, I2CZQ, SWL-Severino. IQ4A: I4EAT, I4IKW, I4IND, I4LCK, I4PVP, I4TJE, I4VEQ, I4K4CFZ, I4K4DZ, I4K4EW, I4K4JH, I4K4QH, I2N2CJ. IR3X: I3TJE, I3K3HUK, I3K3OAR, I3K3VIA. JABYAK: JF0ESV, JF0ETP, JF1USO, Kozawa. JA2YKA: JP1ONB, JS2ERL, JR4RD, JL7JRO, AH0B, KH0BA. JA7YA: JE1AMC, JF2CKX, JF1SXL, JF1CVH, JM2SO, JG7PSJ, JR0SPG, Odashima. JAGYAV: JR9GQ, JA9-3017. JG6ZH: JR6GKT, JI6BRB. JH2ZUN: JI2KGI, JM2CON, JEBKX.

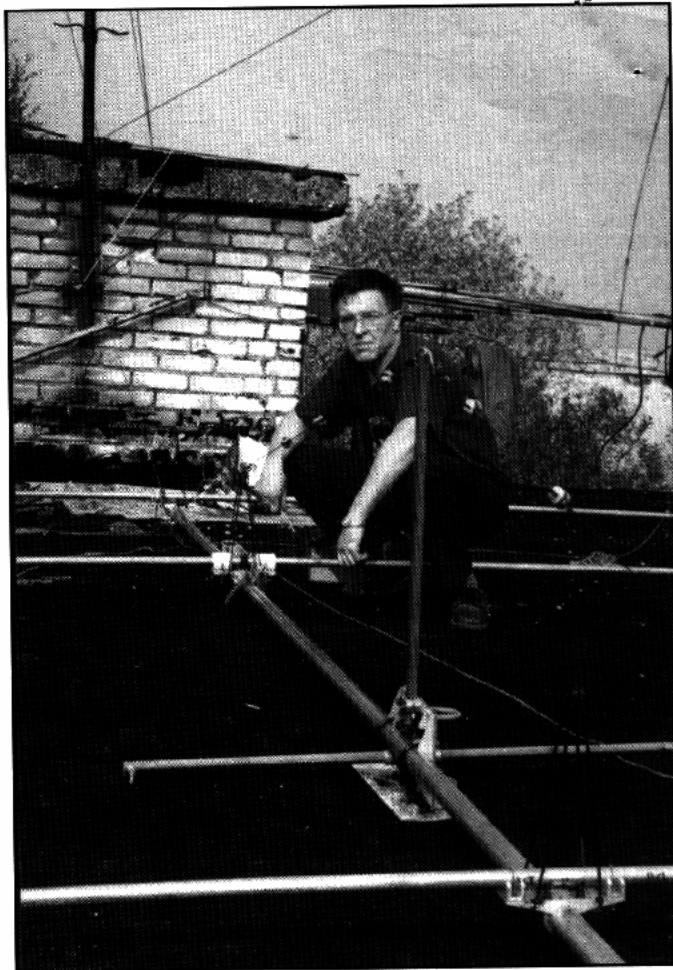
JR1ZT: JR0XHL, JE0BK1, JF0MQX, Hiyoshi. JT1T: JT1CD, JT1BL, JT1BR. K1AR & K1EA, K1GQ, K5ZD, KM9P. K1DG & NX1H, K1TR, WT1S. K1MSN, LY1DL, LY2BL, LY2BK, LY1FF. LZ7M: LZ1UO, LZ2HM, LZ3FN, LZ3SM, LZ3SF, LZ4AX, LZ4L, LZ5VK, Deyan, Drago, Goshu, Vasko, Yasen. LZ9A: LZ1JK, LZ1UK, LZ2BE, LZ2CC, LZ2DF, LZ2HE, LZ2PO, LZ2JE, LZ2TT, LZ2WF, LZ2WM, LZ2XA, LZ5JE, Plamen. M2SS & W2GMA. N2FF & N2LSK, N2LPD, AA2YK. N2IC/B & NQ0I, N2PNG. N2NU & W2V2Y, K2WI, W2REH. N3BNA & K03CN, K3SW, KM3D. N3RS & N3RD, A2ED, KY2T, N4ZC & K2SD, W23O, K4HN, K4EW, W5VWN. NC6P & WR0G, W0V9, K60H, W0G0VY, WA0FLS. NF2L & K2U. NK7U & N7BZ. NP4Z & KP4TK, KP4BZ,

## ZONE LEADERS SINGLE OPERATOR

Zone	Call	Score	Zone	Call	Score
1	VY1JA	687,610	21	A92Q	6,457,388
2	VE2/N6AA	2,929,536	22	4S7TWB	1,714,144
3	W7RM	1,654,020	23	JT1BH	268,096
4	VE3EJ	5,023,118	24	BY4SZ	353,210
5	W1KM	5,127,270	25	JH5FXP	3,616,704
6	XE1VV	664,930	26	3W5FM	280,578
7	V31UA	2,829,310	27	DU1KK	1,794,415
8	8P9Z	7,131,914	28	9M6NA	1,143,930
9	P40W	9,278,280	29	UA0ZDA/MM	761,400
10	CP1OZ	174,675	30	VK3DXI	2,227,770
11	PY0FF	10,427,400	31	T32BE	693,504
12	CE3F	429,125	32	ZL7CW	503,700
13	CX0CW	1,065,075	33	EA8EA	12,402,642
14	GI0KOW	4,083,632	34	SU2MT	6,141,658
15	OM8A	4,404,480	35	TU2MA	635,294
16	US1E	2,345,056	36	ZD8Z	8,047,364
17	RV9XF	733,670	37	5X4F	552,636
18	RZ9UA	704,725	38	ZS6EZ	5,626,962
19	UA0JQ	441,188	39	3B8/N6ZZ	6,881,690
20	C4A	7,410,858	40	JW1CCA	150,450

## TEAM CONTESTING

- Southern California Contest Club:** 26,697,434. By 4S7TWB, 9Y4H, ZD8Z, VE2/N2AA, 3B8/N6ZZ.
- Yugoslavian Contest Team:** 9,780,061. By YU7AV, YT1AD, YU7BW.
- Slovenian Contest Club TEAM #1:** 5,072,364. By S53R, S59AA, S50A.
- Lithuanian Dream Team:** 3,976,216. By LY6M, LY2MW, LY2OX, LY2PAQ.
- Kiev Contesting Team:** 2,851,732. By UT3UZ, UT4UZ, UT5UGR, UX1UA.
- EA Contest Team:** 1,880,727. By EA5FID, EA5BY, EA5CKP.
- Team Estonia:** 1,700,375. By ES2RJ, ES5RY.
- Slovenian Contest Club Team #2:** 1,038,167. By S51AY, S54A, S59L.



EU1DX with his 4-element 21 MHz antenna.

KP4DD8, WP4IW, WP4Q. **OE2S:** OE2DYL, OE2EJN, OE2GEN, OE2LCM, OE2VEL, OE3GSA. **OH2AAZ:** OH2BSI, OH2BSU, OH2HE & OH1NOA, OH2JA, OH2BVI, OH2KDY, OH2WV, OH2KXK, OH2KVH, OH2JNX, OH6DD, OH7BX, OH7JT. **OH4AB:** OH4EA, OH4JFN, OH4KBC, OH4KEC, OH4KZM, OH4MDY, OH4TY, OH4YR. **OH5LAQ & OH5MLH, OH5LEJ, OH7M:** OH4LYX, OH6LN, OH7MHL, OH7LTK, OH7MS, OH7WV, OH7KIR. **OK2KDS:** OK2VWB, OK2HIJ. **OK2KOD:** OK2BDI, OK2BGR, OK2BNX, OK2PID. **OK2KVI:** Club. **OK2OSU:** OK2BU, OK2PHC, OK2PND. **OK5W:** OK1AEZ, OK1WF, OK1CF, OK1TA, OK1TN, OK2FD, OK1UKT, OK2PAY. **DL3A:** OK1AY, OK1DX, OK1FJD, OK1MR. **OL5T:** OK1NR, OK1DNR, OK1AMM, OK1TC, OK1FXH, OK1HQJ. **OM3KTR:** OM2A9B, OM3-020E, OM3-0027. **OM3RJ8:** OM5GD, OM5CW, OM5NA, OM5EA, OM5FA, OM5MB, OM5CPS. **OM3RKA:** OM3TDP, OM7YX, OM5MZ, OM5TX, OM3TTZ. **OM5M:** OM1KM, OM2IB, OM2KI, OM2RA, OM3BH, OM3EI, OK2ZW, Tana. **OM7M:** OM2KW, OM3PA, OM3PC, OM3EY, OM3TPV, OM3TZD, OM3TQM, OM5AV, OM5RV, OM5W, OK2BFN. **ON6AH & ON4LZ:** ON4GO, ON6MH, ON6GR, ON6VL. **ON6RM:** ON4KEP, ON4KFM, ON4KHG, ON4KRO, ON5SV. **PI4CC:** PA3BSO, PA3EPD, PA3FVW, P60AIU.

**PI4TUE:** PA3EZZ, PA3GFE. **PI4ZLD:** PA3BTH, PA3EOB, PA3GCU, DF6JC. **PI50ALK:** PA0XAW, PA3VCY, PA3DLA, PA3FPA. **RK10WZ:** UA10SS, UA10DU. **RK2FWA:** RA2FA, UA2FB, UA2FBA, UA2FF. **UA2FZ, RK3QWM:** RK3QAM, RW3QFP, UA3-121-310E. **RK3RYT:** RX3RZ, RU3RQ, UA3-157-554. **RK4WVA:** UA4WA, RW4WA, UA4WAN, UA4WES. **RK6AYN:** UA6AH, RW6ACM, RN6BP, RV6ARU. **RK9AWN:** RA9AA, RA9AX, RA9AEW, RA9ANR, RA9ATU, UA9AR, UA9AU. **RN4W:** UA4WGU, RU4WJ, UA4WJF, UA4WEI. **RS3A:** RA3CW, RU4PH, RZ3AT, RX3APM, RA3CO, RV3ACA, RZ3BV, UA3-170-79. **RU1A:** RN1AM, RN1AN, RU1AA, RU1AE, RV1AW, RW1AC, UA1ABR, UA1ARL, UA1BX, Others. **RZ6XO:** RA6AX, RN6MM, RN6BN, RX6BA, RW6VY, RN6AA. **RZ6LZL:** Club. **S1GGM:** SM6DYU, SM6LPC, SM6MCW. **S55AJ:** SM5AD, SM5BNZ, SM5CAK, SM5CBN. **SK6NL:** Club. **SN2B:** SP2FAX, SP3RBI, SP3RBR, SP8NR. **SP3KPN:** SP3GXU, SP3RXO. **SP9KRT:** SP9HNB, SP9-1753. **SP9PFD:** SP9TCV, SP9NRD. **T99MT:** T94UE, T94NF, T94TF, T94TU. **TM2Y:** F6BEE, F6FGZ, G0JFX, G4WVX. **TM6SPF:** F6EHE, F5NSL, F5BLE, F5RDC. **TM8A:** F5SSG, F5NTY, F5OZF, F6EVX. **TM9C:** F5FIN, F5LGE, F5SNJ, F6A9C, F60ZS, F6FVY. **UR4NMW:** UR5MB, UR5MA, UR5MFE, UR5MT, UR5MP. **UR4PWC:** USP-272, USP-273, UT4PZ. **US4LWM:** USL-1024, USL-1025, USL-1004, USL-1003, USI-1005. **UT7L:** UR4LDC, UR4LRQ, UR4LSB, UR4LTX, UR4LUG, UR4LOA, US4L6W. **UZ4AYT:** UA4AYY, UA4ALI, RA4AI, UA9CQD, UA4-156-1057. **VA9DH & AK4L:** K2NJ, VE9DX, VE9WH1, WA2ASM. **VE2CLM:** VE2FFE, VE2CJZ,

VE2ZDR. **VE6AO:** VE6KZ, VE6AMR, VE6JO, VE6BIR, VE6RAJ, VE6KC, VE6NJK, VE6CZ, VE6KRR. **VK4EMM & VK4XY:** VO2WL: VE1BJW, NB30, K3TM. **VP2MDE:** K5GA, W5ASP, N5DU, N5RP. **VP2MEY:** JH1NBN, JO1MEE. **VS6WQ & VR2NR, VR2EY:** W0CP & K9AY, K9RHY, WY0J. **W2SEX:** K2ZR, AA2YW, AA2VW, AA2OT, KA2WCM, KB2TDZ. **W4PRO & W4DZH:** N4AIG, WB4DNL. **W6UE:** N6DLU, KA6SAR, N2MAU, N6LL.

**W6YRA:** KC6LDO, WA6AYI. **W7ES5MC & N6HR:** WA2LCC & Others. **WA6IET & W2KVA, K06GA:** WA7EGA & N07M. **WX0B & NA5Q, WSXJ, KN5E:** N4YGP, WB5B, ABSQY. **YU1AAV:** Bozic, Zoran, Zika, Sasa, Aca. **YU1HFG:** YU100, YU1ML, YU1JZ, YU1KZ, YU1GD. **YU7BCD:** YU7FU, YU7TW. **Y27A:** YU7CM, Hamletti. **ZF2RF:** K4UVT, K9LA, N8SR. **ZP0R:** JA7AYE, ZP5XF, ZP5AZL, ZP5KO, ZP5XF, ZP5ECC.

## STATION OPERATORS Multi-Op Multi-Transmitter

**9A1A:** 9A5W, 9A9A, 9A2DQ, 9A2B, 9A2EI, 9A2HW, 9A2R, 9A3GW, 9A3NR, 9A4WW, 9A6A, 9A6D, 9A6M, 9A7R, F2CW, OH6XY, Roman. **A61AF:** K1XM, KQ1F. **AA3GQ & N3ZBN:** AA6MC & AC6NS. **DF3QG & DJ1FC:** DK5EZ & DH4LJ. **DJ2YE, DJ4AX, DK4PT, DL2EBC, DL3EBH, DL8EAQ, DL6EAS, DL8KF:** DJ4FZ, DJ7SW, DF4PA, DL4LBK, DL8KUA, DJ9MT, DK7XS, DK9LV, DL2ZT, DF3LZ, DJ6TN, DJ3UL, DL8LAQ. **EA4ML:** EA4KA, EA4EJ, EA4AFA, EA4ENA, EA4AFD, EA4EA, EA4EA, EA4EMC, EA4AKB, EA4EKR, EA4EJ. **EM2I:** UT2IA, UT2IB, UT2ID, UT2IJ, UT2IM, UT2IO, UT2IV, UT2YJ, US1TU, US3IZ. **GU3HFN:** G3I7D, GU3MBS, GU4EON, GU4SXM, GU4WRP. **GX0AAA:** G3MXJ, G3TFX, G3WVY, G44BLE. **HG73DX:** HA1AH, HA1AR, HA1AV, HA1DAC, HA1DAE, HA1TJ, HA2RX, HA6ND, HA6NF, HA6NL, HA6NY, HA6OQ. **IY0TC:** IK0CNA, IK0LRZ, I0KHP.

**J45T:** SV5TH, SV5BYT, SV5KBAPMS, SV5VR, SV5ADD. **JA1YDU:** JH0NZN, JF7TFK, JR0JFM, JA9VA, JP1CW, JR0UUU, JJ3PKB, JP10GL, JL7MYL, JG3AXP, JL1DQG, J01RU, Mizuno. **JA3YB:** J33BDG, J03LDN, JG3JH, JL3AKW, JL1PEI, JF3HX. **JAYKYC:** JP2BZE, JF3VXV, JH3RHQ, JE5DTS, JM3FVL, J03UGI, JP3PZD, JG4LSR, JL4CUB, JL6AMJ, JP6RBN, JE96MX, Fukada. **JA3ZOH:** JH3DPP, JH3PRR, JG3JRT, JG3MFT, JG3WDN, JI30PA, JM3XKG, JH4CES, JH4IF, JH4MVT, JF4JUF, JG4CLV, JH4KSD. **JH5ZJS:** JA5BJC, JA5FDJ, JA5JCC, JH5RXS, JR5PDX, JR5VHD. **JO1YAO:** Club. **K1KI & K1CC, K1TO, K1CSJ, K61D, KM1P, W10D, W1RM, K2FB, N2L, K5FV, K2LE1 & W2AX, K1JKS, W1FJ, K1CB, K3ANS**

& N2BIM, WF3H, N3RCA, N2MZH, N2KJM, AA3JA/JH7PKU, K3YD, N3JGX, N3IXY, K3DI & WD4IEH, K3EST & N6RO, W6RGG, K3LR & WR3Q, W3YO, K3UA, K3CMR, WA8VVR, W0BIXE, ND8L, KA3JWJ, K8CX.

**K4VX/B & K4XU, K9BGL, N9JF, W9W1, K10W, NS0Z, K6VI & W6CCP, W6UGF, K8CC & AA8AV, AC8W, K8DD, K8JM, N8CC, N8CDA, VA3NA, KY1H & WM1K, K2WR, K1MBO, NU1F, AA1ND, NT2X, KB1W, K00U, NS1M, WR2I, KB2WBC, KY3N & WB3FZ, W8FJ, WU3M, WN3K, N3ARK, W3FV, LY5A:** LY1DC, LY1DD, LY1DR, LY2BFY, LY2BNZ, LY2IJ, LY2PAJ, LY2PX, LY3MM, LY3NOK, LY7A: LY1EE, LY1DF, LY2AQ, LY2KZ, LY2BMX, LY3DA, LY3BAF, LY3BLF, LY4AA, LYR-346, LYR-728, LY2NK, LZ1R: LZ1GL, LZ1SS, LZ1DD, LZ1LZ, LZ1AP, LZ1O, LZ1ZO, LZ1LG, LZ1CW, LZ1YQ, LZ1CP, LZ3UA, LZ3NY, LZ3RR, LZ3FM, LZ3MF, LZ5GB, LZ5ZO, LZ5TX. **N2MM & WB2R, N2RM & K2ZS, N2AA, KA2AEV, WT3Q, K9GL, N2NT, W21R, W2RQ, KR2J, N3ADL & Others:** N6DX & AD6C, N6RVZ, WA6CDR, WB6SHD, N6RZ, N6TU, AG6T. **NE3F & K5F3, N3JLL, NL7G & KL7Y, K7PJ, NL7GP, N7DF, KL7AF, NL7VJ, K0MVL, KL7U, KL7XX.**

**NM3K & N3ISH, N3WES, WE3E, NQ4J & KY2P, K2UFT, OZ5W:** OZ1DQO, OZ1FIE, OZ1FTU, OZ1KRF. **OZ5WQ & Others:** PI4COB: PA3BBP, PA3CAL, PA3ALP, PA3ERC, PA3EWP, PA3GBQ, P80AIC, IK4SXJ, PA3DMH. **RK9CWW:** RA9DZ, UA9G6A, RA9DK, UA9CBN, RW9CF, UA9CMQ, RU9CO, UA9CMO, UA9CI, UA9CNV, UA9CDV, Bankir, RK9CXN, RU9CK. **RJ3A:** KF2QX, RA3AUM, RA3AUU, RK3DT, RU3FM, RV6HY3, RX3ACS, RX3DCX, RZ3GE, UA3AB, UA3AFS, UA6GL3. **S10GM:** SM0VK, SM0BYD. **TK2C:** DF9LJ, DL2NBU, DL4RDJ, DL6RAI, TK5EP, N7BG. **VP5FDC:** W9VNE, W0CC, N9DQ, GM3YTS, K5VT, KCVF, N7BG. **W0BIIH9 & AA9D, AA9B, AA9OC, A10Y, W9EFL, WDBAUB, KW8N:** W0BIIH9 & AA9D, AA9B, AA9OC, A10Y, K0TG, KA9FOX, KM00, K50T, N9CKC, ND90, WA0RBW, W0WJ.

**W1CW & K1Z, WC4E, G4BK1, WB4BBH, K7UPJ, AD4VH, N1EE, W1YL, W3LPL & WR3E, ND3F, KZ3H, A13M, K3MQH, K3NA, KF3P, K3RA, K3RV, K07V, N8II, KE9A, SM35GP. W4MYA & N4ND, W6BA & N6AW, N6FH, KC6CNV, K6HMS, W6KP. W9KDX & K59W, K9RN, AA9L, KF9LB, KD5FJ, WA9Y9Y. W0BLLD & AF8A, N8ARD, K08E, W8BWT, N9AG. WHP6 & AH6JF, K9VJ, KH6FN, KH6XT, N6VI. W6KV & N6NW, K6AGNL, N6GCS. XZ1A: JA1BK, JH1KRC, JA6LDD. CH1EB. Y7BW:** YU1ZZ, YU1JW, Velimir, 4N1DX, YU1YV, YU1UA, YU1MA, YU1RA, 4N7DW, YU7GO, YU7GW, Y21AU, YU1EA, YU6AR, YU1BB, Y21KW, Y21EB, Y21EA. **ZM2K:** ZL2AIZ, ZL2YAG, ZL2IR, ZL2BSJ, ZL4SS, ZL2BA, ZL2DX.

(Results continued on page 102)

Number groups after call letters denote following: Band (A = all), Final Score, Number of QSOs, Zones, and Countries. An asterisk (\*) before a call indicates low power. Certificate winners are listed in boldface. (All country terminology reflects the DXCC list at the time of the 1995 contest.)

**CW RESULTS  
SINGLE OPERATOR  
NORTH AMERICA**

**UNITED STATES**

W1K1M	A 5,127,270	3178	136	418
N6BV/1	" 4,261,624	2814	127	402
KC1XX	" 4,167,383	3128	111	346
K5ZD/1	" 3,780,024	2736	121	357
	(Opr. KM3T)			
W1WFEF	" 3,011,424	2127	118	376
K5MA/1	" 2,200,380	1634	119	346
N4XR/1	" 1,732,812	1034	136	455
K1U1	" 1,542,933	1360	107	292
W1PH	" 911,756	789	99	313
K1E1	" 571,077	585	88	263
K4IDWX	" 444,966	479	87	240
K1TWF	" 434,232	519	75	221
N6RFM/1	" 223,850	308	72	203
AK1N	" 216,265	296	74	185
K1B1V	" 187,312	365	48	136
KD1SG	" 163,085	305	53	140
NM1K	" 60,377	150	68	105
K1EM	" 55,056	136	51	97
K1SD	" 53,406	160	42	87
K2S/1	<b>14 768,852</b>	<b>1610</b>	<b>35</b>	<b>127</b>
W1XS	<b>7 244,800</b>	<b>572</b>	<b>37</b>	<b>116</b>
K1WGM	" 136,110	380	32	98
W1CWU	" 90,513	290	29	84
W1MK	<b>3.5 349,596</b>	<b>1047</b>	<b>26</b>	<b>91</b>
K1ZHM	<b>1.8 142,358</b>	<b>470</b>	<b>23</b>	<b>83</b>
W1ZK	" 29,299	128	19	64
K2LP/1	" 2,576	34	7	21
*K3PO/1	<b>A 1,490,760</b>	<b>1491</b>	<b>102</b>	<b>302</b>
*W51E	" <b>882,189</b>	<b>799</b>	<b>99</b>	<b>300</b>
*KM1X	" <b>819,790</b>	<b>860</b>	<b>90</b>	<b>275</b>
*WA1FCN	" 590,961	653	84	237
*NA1R	" 574,525	606	100	243
*WA1S	" 528,045	605	85	236
*K3JL/1	" 344,253	452	69	204
*K2TE/1	" 263,373	378	69	184
*WZ1K	" 249,458	381	74	179
*KITN	" 201,447	307	61	182
*W3SOH/1	" 167,359	303	55	144
*W1WFZ	" 61,800	226	25	86
*K2MN/1	" 45,750	136	39	86
*WS1H	" 35,595	130	30	75
*KB1AXF	" 24,156	155	33	66
*AB1U	" 8,515	51	24	41
*NM1W	" 7,938	55	23	40
*KD1IA	" 3,813	35	14	27
*WE1B	<b>21 37,148</b>	<b>175</b>	<b>21</b>	<b>53</b>
*K1VJ/1	" 24	2	2	2
*W0MHK/1	<b>7 33,418</b>	<b>159</b>	<b>21</b>	<b>56</b>
*W1NH	" 3.5 709	21	11	16
N2LT	<b>A 4,075,298</b>	<b>2586</b>	<b>130</b>	<b>412</b>
W6XR/2	" <b>3,473,415</b>	<b>2479</b>	<b>122</b>	<b>373</b>
	(Opr. N6TV)			
KQ2M	" <b>3,349,840</b>	<b>2228</b>	<b>128</b>	<b>392</b>
K2PS	" 1,876,392	1482	109	329
W2HPF	" 1,660,260	1381	109	311
K2JHMJ	" 784,920	889	75	235
K3ZJ/2	" 727,320	679	103	277
W2YVA	" 681,120	632	100	296
KW2J	" 565,579	671	83	218
K2DM	" 429,810	498	87	219
N2AIF	" 302,634	417	67	191
N2MR	" 268,260	382	66	187
K2MP	" 268,019	367	74	197
N4MM	" 262,870	358	83	188
W2OMV	" 194,312	315	62	165
N2PEB	" 192,681	314	74	90
W2PAU	" 159,120	244	75	165
K2FL	" 134,456	250	52	144
W2A2UT	" 121,590	236	34	100
N2UN	" 59,094	162	47	100
W2EZ	" 53,280	125	48	96
N2QLT	" 25,506	95	37	72
W2GMA	" 10,108	101	29	47
AA2VN	" 9,720	60	29	43
W2HG	<b>28 2,744</b>	<b>70</b>	<b>10</b>	<b>18</b>
K2MT	<b>21 217,257</b>	<b>146</b>	<b>28</b>	<b>111</b>
NB2V	" 7	11,544	548	20
AA7QZ/2	<b>3.5 6,570</b>	<b>51</b>	<b>14</b>	<b>37</b>
W2FR	" 3,914	37	8	30
W2VO	<b>1.8 43,850</b>	<b>178</b>	<b>20</b>	<b>70</b>
N2WK	" 30,261	151	16	45
N2ZKA	" 2,964	30	11	27
*K2SG	<b>A 1,789,468</b>	<b>1494</b>	<b>109</b>	<b>319</b>
*KR2O	" <b>1,599,336</b>	<b>1244</b>	<b>115</b>	<b>343</b>
*N2BA	" <b>1,145,952</b>	<b>1055</b>	<b>104</b>	<b>310</b>
*K2PH	" 866,565	804	98	295
*WA0QA/2	<b>675,920</b>	<b>754</b>	<b>86</b>	<b>254</b>
*WA2SRQ	" 442,298	566	78	200

*WK2G	" 441,731	474	83	264
*KA2CDJ	" 341,968	401	94	225
*K2UF	" 293,846	385	76	225
*WA2EYA	" 189,342	345	54	147
*KM2L	" 157,620	304	49	136
*NA2Q	" 130,977	265	56	133
*WA2YSJ	" 130,942	244	58	141
*W2KHQ	" 116,887	236	54	125
*AA2GS	" 116,444	253	47	125
*WA2RZJ	" 74,784	174	54	110
*N2INN	" 62,376	150	42	96
*K2ZA	" 62,101	177	38	92
*K2SWZ	" 47,946	138	36	95
*WB2WPM	" 37,408	125	34	78
*KA2GSL	" 35,298	120	31	80
*N2LKF	" 26,429	98	34	73
*KF2C	" 18,705	70	23	54
*WB2JFP	" 18,135	81	36	57
*K2MFY	<b>14 131,856</b>	<b>348</b>	<b>31</b>	<b>103</b>
*AE2N	" 3,959	41	13	24
*AA2SZ	<b>7 103,220</b>	<b>288</b>	<b>30</b>	<b>100</b>
*WA2ASQ	" 20,054	101	19	55
*K2EWE	" 17,355	99	16	49
K3Z0	<b>A 4,111,064</b>	<b>2573</b>	<b>133</b>	<b>423</b>
W3BGN	" <b>3,565,706</b>	<b>2445</b>	<b>125</b>	<b>377</b>
KT3Y	" <b>3,518,820</b>	<b>2365</b>	<b>130</b>	<b>389</b>
AA1K/3	" 2,925,415	1984	131	390
W3UIM	" 1,513,707	1090	120	361
AK1N	" 1,216,332	959	108	344
KX3Y	" 689,017	658	82	200
W3AZ	" 510,156	553	90	243
W3NX	" 373,626	453	79	218
NM1K	" 335,546	440	75	203
W3GN	" 317,696	403	80	212
KL7HIR/W3	" 267,650	376	76	189
N3KR	" 255,360	389	66	174
AA3JU	" 159,192	232	75	193
W3QR	" 117,362	227	60	142
W3HDH	" 87,039	193	57	114
K300	" 77,100	177	42	108
K5ME/3	" 76,406	189	41	110
N3I51	" 66,410	165	45	50
WR3D	" 58,116	177	42	74
N2US/3	" 47,320	130	40	100
NA3K	" 34,928	119	39	79
K4JLD/3	" 21,414	94	22	61
KM3D	" 20,916	91	25	58
N3ARK	" 8,568	60	22	34
W3FOE	<b>14 5,402</b>	<b>53</b>	<b>11</b>	<b>26</b>
W3GH	<b>7 434,080</b>	<b>963</b>	<b>35</b>	<b>124</b>
W3TMZ	" 49,368	174	28	74
WE3C	<b>3.5 163,625</b>	<b>491</b>	<b>28</b>	<b>91</b>
AA3J1	" 36,354	163	18	65
N6CQ/3	" 19,734	104	17	52
*W3UJ	<b>A 418,874</b>	<b>500</b>	<b>81</b>	<b>221</b>
*W7FKF/3	" <b>227,495</b>	<b>332</b>	<b>75</b>	<b>188</b>
*NY3C	" 178,506	323	65	155
*AA3FY	" 115,352	223	48	136
*WB3AAL	" 50,553	165	46	91
*N3V3L	" 35,763	125	26	65
*K33MM	" 30,284	103	39	74
*KE3JA	" 13,063	98	21	40
*N3MTU	" 2,625	32	16	19
*N3UMA	<b>14 9,348</b>	<b>60</b>	<b>15</b>	<b>42</b>
*WW3S	<b>7 40,470</b>	<b>162</b>	<b>26</b>	<b>69</b>
*N3RW	" 26,248	136	15	53
*W3CPB	" 9,165	70	13	34
K4PQL	<b>A 2,962,400</b>	<b>1964</b>	<b>134</b>	<b>395</b>
W4RX	" <b>2,790,912</b>	<b>1767</b>	<b>136</b>	<b>416</b>
N6AR/4	" <b>2,749,780</b>	<b>1682</b>	<b>146</b>	<b>434</b>
W4XJ	" 1,724,666	1320	123	343
W11HN/4	" 1,596,222	1275	109	332
N4TO	" 1,014,344	881	113	299
AD4KE	" 995,880	824	99	331
W3VT/4	" 962,360	708	128	363
N4XM	" 841,890	780	111	288
NA4K	" 600,036	584	103	269
WR30/4	" 575,484	590	108	264
N4MM	" 456,599	479	93	248
W4NTI	" 384,888	460	90	226
K4J4H	" 346,112	385	107	231
W4M4A	" 304,612	360	92	216
W4YE	" 303,924	416	69	189
W4RW	" 169,386	285	64	158
W4B4VKW	" 125,334	220	66	145
W404PY	" 1*2,117	222	55	136
K4CSB	" 90,060	180	71	119
AC4PQ	" 61,880	170	44	96
W4LMJ	" 50,540	139	44	89
K4CUG	" 46,717	136	47	90
W40GG	" 42,522	129	41	73
W4ADA1	" 30,396	110	39	63
N4XMX	" 8,844	50	26	41
W4YN	" 8,790	85	34	52
K4VUD	" 6,897	55	25	32
K6ETM/4	" 3,121	67	17	44
W4YV	<b>28 9,412</b>	<b>95</b>	<b>16</b>	<b>36</b>
N4BP	" 2,580	75	11	19
N4CT	<b>21 189,552</b>	<b>517</b>	<b>28</b>	<b>104</b>
KD4FC	" 37,620	180	26	64
K14DC	" 22,260	100	24	60
KV4P	<b>14 240,812</b>	<b>645</b>	<b>33</b>	<b>110</b>
K4RZ	" 111,848	330	29	95

N40HE	" 59,052	183	28	86
AA4NC	<b>7 492,900</b>	<b>1177</b>	<b>35</b>	<b>115</b>
AB4FX	" 171,500	434	35	105
KC2X/4	" 142,250	414	30	95
K4SXT	" 126,412	310	33	110
KA4RRU	" 108,125	316	32	93
AD4MO	" 105,536	274	32	104
K4PI	<b>3.5 141,812</b>	<b>420</b>	<b>29</b>	<b>92</b>
WB4OSN	" 124,885	114	21	58
W4YDD	" 17,664	105	16	53
W8ZV/4	<b>1.8 61,578</b>	<b>226</b>	<b>22</b>	<b>77</b>



*JH0FWV	3,942	60	13	14	*ON40N	1.8	29,988	408	9	59	*OK2UQ	5,060	48	18	28	*UA3AGS	A	220,104	661	24	53	*F6ACD	334,056	644	62	186										
*JRB0DD	7	7,820	85	15	19	*ON6VH	21,672	297	10	53	*OK2BHE	3,105	50	12	16	*UA3RO	"	187,835	475	63	183	*F6F1I	263,648	660	50	164										
*JAB0DD	3.5	22,236	126	24	44	<b>BELARUS</b>										*RU4WE	"	145,920	960	35	117	*F6FRB	253,364	634	50	144										
*JH0DNV	1.8	6	1	1	EU1DX	A	1,197,800	1353	112	312	*RW4AO	"	73,080	275	43	131	*F6FTB	234,366	533	56	145	*F6HMX	196,721	542	51	128										
<b>KAZAKHSTAN</b>															*UA1OMX	"	66,300	245	45	111	*F6FSY	189,316	510	48	164	*F6JHX	236,266	533	56	145						
UN7FDM	A	501,963	833	59	172	EW3DU	"	195,721	567	51	127	*UA4AGO	"	61,272	208	44	104	*F6JNY	170,140	393	57	131	*F6KZD	163,680	516	44	132									
UN7LZ	14	348,528	839	36	123	EU1AA	14	567,920	1643	39	116	*RU6BV	"	55,632	234	41	111	*F6KXK	"	"	"	"	"	*F6PWH	157,384	437	52	139								
UN5J	3.5	171,122	625	28	91	EW6TU	7	113,226	657	27	86	*RV6ASV	"	16,380	150	24	66	*F6QJL	139,941	338	55	158	*F6SFW	131,940	380	48	130									
*UN8IM	A	336,887	405	77	244	EW8OS	"	86,031	435	30	91	*UAALL	21	166,716	725	30	102	*F6SJV	129,040	380	48	130	*F6SOL	139,940	400	44	134									
*UN7GG	3.5	73,814	330	20	66	EW9AL	"	62,016	265	26	88	*UA3ABJ	"	48,178	250	28	81	*F6SJD	97,028	390	33	94	*F6SOT	82,164	330	32	91									
*UN7FCO	"	64,990	265	24	73	EW3CW	"	21,340	100	24	73	*RA3DUT	14	210,532	708	34	112	*F6SRA	78,069	283	39	120	*F6SRY	38,472	213	25	59									
*UN2O	1.8	42,904	254	10	52	EU4AA	"	80,550	560	17	73	*RU3D	"	116,977	558	28	91	*F6SVC	108,200	263	58	122	*F6SVE	108,200	263	58	122									
<b>KOREA</b>															*OK1FSM	"	17,612	229	18	57	*RA4LH	"	112,585	531	29	86	*F6SVM	108,200	263	58	122	*F6SVN	108,200	263	58	122
HL9CW	A	985,426	1335	100	202	EU6AA	"	32,406	427	10	56	*RS0F	"	13,532	71	23	45	*F6SVO	108,200	263	58	122	*F6SVL	108,200	263	58	122									
						EU2MM	"	27,972	378	11	52	*UA3WU	3.5	99,120	791	20	85	*F6SVP	108,200	263	58	122	*F6SVK	108,200	263	58	122									
						*EW6BL	A	259,812	617	58	194	*RV6LNA	"	88,061	584	21	86	*F6SVJ	108,200	263	58	122	*F6SVI	108,200	263	58	122									
						*EU4EU	3.5	25,376	312	11	50	*RA3VY	"	4,953	91	9	30	*F6SVH	108,200	263	58	122	*F6SVG	108,200	263	58	122									
						<b>BOSNIA-HERZEGOVINA</b>										*RW3AX	7	57,700	374	26	74	*F6SVF	108,200	263	58	122	*F6SVU	108,200	263	58	122					
						T93M	2.1	9,576	73	22	34	*RA6FV	"	42,486	279	24	73	*F6SVW	108,200	263	58	122	*F6SVT	108,200	263	58	122									
						T940N	1.8	88,655	830	12	73	*RV1AB	"	34,528	280	18	65	*F6SVY	108,200	263	58	122	*F6SVZ	108,200	263	58	122									
						*T99T	28	285	10	5	10	*RX3AGQ	"	19,380	205	15	53	*F6SVA	108,200	263	58	122	*F6SVX	108,200	263	58	122									
						*T99W	3.5	134,726	1055	22	84	*UA4SS	"	15,834	214	12	46	*F6SVB	108,200	263	58	122	*F6SVY	108,200	263	58	122									
						<b>BULGARIA</b>										*RAGLAE	"	14,508	82	6	26	*F6SVC	108,200	263	58	122	*F6SVZ	108,200	263	58	122					
						LZ1BJ	A	335,170	839	62	180	*RS0F	"	13,532	71	23	45	*F6SVH	108,200	263	58	122	*F6SVI	108,200	263	58	122									
						LZ2VP	"	79,488	292	40	98	*UA3VW	3.5	99,120	791	20	85	*F6SVJ	108,200	263	58	122	*F6SVK	108,200	263	58	122									
						LZ3AA	21	8,910	62	20	35	*RV6LNA	"	88,061	584	21	86	*F6SVL	108,200	263	58	122	*F6SVM	108,200	263	58	122									
						LZ7G	14	489,078	1592	39	123	*RA3PP	"	18,476	235	13	49	*F6SVN	108,200	263	58	122	*F6SVO	108,200	263	58	122									
												*UA10DN	"	11,440	172	10	45	*F6SVV	108,200	263	58	122	*F6SVW	108,200	263	58	122									
												OZ7YL	7	14,440	100	23	53	*F6SVX	108,200	263	58	122	*F6SVY	108,200	263	58	122									
												OZ1AXG	1.8	67,410	641	17	73	*F6SVZ	108,200	263	58	122	*F6SVA	108,200	263	58	122									
												*OZ4FF	A	179,352	500	55	156	*F6SVB	108,200	263	58	122	*F6SVY	108,200	263	58	122									
												*OZ7JQ	"	21,472	120	31	57	*F6SVC	108,200	263	58	122	*F6SVZ	108,200	263	58	122									
												*OZ1KWG	14	42,818	276	20	59	*F6SVH	108,200	263	58	122	*F6SVI	108,200	263	58	122									
												*OZ1BMA	"	36,225	257	18	51	*F6SVJ	108,200	263	58	122	*F6SVK	108,200	263	58	122									
												*OZ6PI	7	20,560	170	21	59	*F6SVL	108,200	263	58	122	*F6SVM	108,200	263	58	122									
												*OZ1IBZ	"	9,720	104	12	48	*F6SVN	108,200	263	58	122	*F6SVO	108,200	263	58	122									
												*OZ1APA	"	8,172	85	14	45	*F6SVV	108,200	263	58	122	*F6SVW	108,200	263	58	122									
												<b>DENMARK</b>										*F6SVX	108,200	263	58	122	*F6SVY	108,200	263	58	122					
												OZ40C	A	158,355	439	53	154	*F6SVZ	108,200	263	58	122	*F6SVA	108,200	263	58	122									
												OZ2RH	"	136,500	200	60	190	*F6SVB	108,200	263	58	122	*F6SVY	108,200	263	58	122									
												OZ7NB	"	17,700	123	30	177	*F6SVH	108,200	263	58	122	*F6SVI	108,200	263	58	122									
												OZ5DX	14	85,248	379	23	80	*F6SVJ	108,200	263	58	122	*F6SVK	108,200	263	58	122									
												OZ7YL	7	14,440	100	23	53	*F6SVL	108,200	263	58	122	*F6SVM	108,200	263	58	122									
												OZ1AXG	1.8	67,410	641	17	73	*F6SVN	108,200	263	58	122	*F6SVO	108,200	263	58	122									
												*OZ4FF	A	179,352	500	55	156	*F6SVV	108,200	263	58	122	*F6SVW	108,200	263	58	122									
												*OZ7JQ	"	21,472	120	31	57	*F6SVX	108,200	263	58	122	*F6SVY	108,200	263	58	122									
												*OZ1KWG	14	42,818	276	20	59	*F6SVZ	108,200	263	58	122	*F6SVA	108,200	263	58	122									
												*OZ1BMA	"	36,225	257	18	51	*F6SVH	108,200	263	58	122	*F6SVI	108,200	263	58	122									
												*OZ6PI	7	20,560	170	21	59	*F6SVJ	108,200	263	58	122	*F6SVK	108,200	263	58	122									
												*OZ1IBZ	"	9,720	104	12	48	*F6SVL	108,200	263	58	122	*F6SVM	108,200	263	58	122									
												*OZ1APA	"	8,172	85	14	45	*F6SVN	108,200	263	58	122	*F6SVO	108,200	263	58	122									
												<b>DODECANESE</b>										*F6SVV	108,200	263	58	122	*F6SVW	108,200	263	58	122					
												J49AF	3.5	204,323	1646	20	81	*F6SVX	108,200	263	58	122	*F6SVY	108,200	263	58	122									
												*SV5	"	"	"	"	"	*F6SVZ	108,200	263	58	122	*F6SVA	108,200	263	58	122									
												*SM0CMH	A	287,570	1118	46	147	*F6SVH	108,200	263	58	122	*F6SVI	108,200	263	58	122									
												<b>ENGLAND</b>										*F6SVJ	108,200	263	58	122	*F6SVK	108,200	263	58	122					
												G4BUO	A	3,755,334	2831	137	424	*F6SVL	108,200	263	58	122	*F6SVM	108,200	263	58	122									
												G3K0B	"	2,398,466	2166	121	348	*F6SVN	108,200	263	58	122	*F6SVO	108,200	263	58	122									
												G0I0V	"	2,372,158	2681	118	357	*F6SVV	108,200	263	58	122	*F6SVW	108,200	263	58	122									
												G3U0Y	"	1,043,352	1410	83	261	*F6SVX	108,200	263	58	122	*F6SVY	108,200	263	58	122									

*DK4WW	229,770	487	68	162	*HA3AT	193,200	545	54	156	LY2IC	489,060	797	80	262	SP7FUH	63,729	353	28	69	*Y060BH	1.8	18,297	302	8	49	
*DL5AY	192,918	507	49	173	*HA3FW	101,384	286	52	132	LY2PAQ	451,520	907	78	242	SP2JGK	49,662	264	24	69	*Y02CJX		6,863	62	5	52	
*DK7ZH	171,160	389	60	160	*HA3MJ	57,750	239	48	77	LY2BN	446,862	654	85	252	SP7GJO	7	913,605	2371	37	128	<b>SARDINIA</b>					
*DL5SVB	163,944	479	65	142	*HA3PB	53,760	230	41	99	LY3JY	335,360	440	91	229	SP5CTY		197,394	541	39	128	IS0/Y03RA	14	98,774	398	33	98
*DL7VZF	161,138	394	56	170	*HA1SD	34,578	206	29	84	LY2KM	134,232	456	43	161	SP6CIK		112,332	473	32	108	IS0MMU	7	60,812	425	22	70
*DF1DV	154,137	519	43	148	*HA4GD0	21,586	201	25	61	LY3ID	122,640	294	58	152	SN3A	3.5	549,310	1891	38	125	*IS0BHM	A	283,515	851	51	154
*DL0DWD	150,514	507	45	137	*HA6NW	21	62,727	237	30	73	LY2CX	22,165	201	20	65	(Opr. SP3HL1)										
		(Opr. DF60C)			*HA3GQ		6,210	47	20	34	LY2BM	14	317,709	1145	32	91	SP5BWO		18,225	110	20	61				
*DL5WS	141,276	370	50	133	*HA3GI		5,304	41	21	30	LY3XB	7	186,333	925	32	101	SP5GRM	1.8	207,000	1055	25	90				
*DL4VBP	132,908	300	66	157	*HA3FK	14	101,500	544	26	74	LY2LF		25,410	311	15	40	SP3NX		37,985	451	14	57				
*DJ4JF	131,425	346	52	123	*HA0Z		32,912	249	14	34	LY6K	3.5	348,361	1550	33	94	SP5INO		6,638	40	13	21				
*DF2KK	127,925	450	40	135	*HA4FB		10,584	105	16	38	(Opr. LY3BS)						*SP4EEZ	A	1,090,600	1022	125	407				
*DJ8EF	124,030	412	44	113	*HA3RH	7	242,214	1065	36	110	LY2BY		79,180	573	21	86	*SN7L		758,940	1107	97	293				
*DL6AG	121,485	334	55	140	*HA3JP		193,130	714	36	119	LY2BR	1.8	32,634	382	13	61	(Opr. SP7NJX)									
*DL4XU	118,041	427	41	106	*HA3PT		160,160	663	35	108	*LY2FN	A	671,399	1076	95	288	*SP9BBH		745,536	1169	84	268				
*DL6UKL	109,836	445	62	100	*HA5NK		125,120	543	32	104	*LY3EU		267,957	638	65	198	*SP9WZJ		717,320	899	108	287				
*DL1ZC	102,760	500	40	100	*HA3EN		36,579	247	22	67	*LY2DX		170,136	538	53	151	*SP2QCH		575,190	1079	90	240				
*DL4FDM	92,571	319	43	134	*HA5AEX		16,832	140	14	43	*LY1FM		77,420	370	58	100	*SP3SLA		429,372	867	72	204				
*DL3JMK	91,798	332	42	116	*HA7JJS		77,088	743	18	79	*LY2FBM		39,269	253	28	79	*SP3CNA		363,320	570	100	210				
*DL2RMS	86,400	440	32	112	*HA4FY		58,725	630	14	67	*LY3BY		9,713	170	19	68	*SP6CFP		352,869	646	77	212				
*DL6JAM	78,658	429	37	97	*HA6XN		36,762	497	16	57	*LY3KB		19,228	120	18	55	*322UKB		326,865	580	75	208				
*DL3DBY	67,332	309	35	89	*HA0DD		24,290	260	56	347	*LY2BB	14	24,053	141	27	40	*SP7NMW		294,880	488	79	225				
*DJ4PT	61,480	228	35	81	*HA8EK	1.8	103,693	767	20	77	*LY3CW		13,684	139	13	31	*SP1AEN		288,960	473	80	200				
*DL1VTL	54,096	247	34	104	*HA8BE		100,900	729	20	80	*LY1DT	7	4,658	122	5	29	*SP7GAQ		257,431	375	86	237				
*DL6KVA	50,434	118	43	108						*LY2OU	1.8	32,538	451	8	58	*SP6CES		188,604	514	59	127					
*DL6MHW	50,120	185	43	97												*SP3MGP		174,720	539	52	140					
*DL8JVG	46,037	202	41	80	<b>ICELAND</b>					<b>LUXEMBOURG</b>						*SP1MHW		140,183	145	46	97					
*DL3HRH	46,866	150	55	91	TF3EJ	1.8	34,684	427	11	41	LX/DL1DTC	A	329,625	959	50	175	*SP5GKN		120,400	256	67	156				
*DL2VLA	42,229	196	42	80	*TF3GB	A	58,936	300	30	76	LX4B	3.5	385,710	1840	29	101	*SP6NIF		15,960	256	67	156				
*DL9DBZ	39,552	209	29	74						<b>MACEDONIA</b>						*SP9AGS		96,160	439	32	128					
*DL3KWR	36,580	179	33	85	<b>ISLE OF MAN</b>					*Z32K	A	333,526	754	63	199	*SP5ASY		71,103	223	53	120					
*DL7VOX	32,648	132	26	80	<b>ITALY</b>					*Z37FCA		1,330	20	15	20	*SP5CGN		63,450	278	25	110					
*DL3KTF	30,765	170	28	77	IU2E	A	957,453	1218	97	284	*Z30M	14	560,358	2019	35	111	*SP5CGN		63,450	278	25	110				
*DL1ET	26,304	113	42	80	(Opr. IK2UJE)					*Z31GB	7	56,816	268	29	77	*SP8FHJ		49,552	237	40	112					
*DL1SWA	24,816	129	43	80	I0ZUT		593,135	1002	74	239	9H3UP	3.5	40,105	527	11	54	*Z3BZLC		44,880	249	37	83				
*DL9YAJ	22,672	92	41	68	IK3CHL		505,849	830	98	255							*SP2AHD		22,078	195	23	60				
*DL4NBV	20,492	125	28	66	IK3EVK		471,086	838	87	235	IK2AHB		83,838	303	44	113	*SP9MDY		19,504	117	27	65				
*DF2FM	19,291	102	35	69	IR3L		272,291	533	77	200	IU2D	21	207,264	644	36	100	*324GAP		18,228	174	24	69				
*DL8JAD	16,563	98	32	59	IK2AHS		303,442	411	123	IK2OEI		163,748	548	35	99	*SP6NIG		16,464	64	45	53					
*DL5ST	16,245	113	28	67	IU2D	21	207,264	644	36	100	IK1LBL	14	76,718	422	24	65	*SP3EQE	21	34,560	142	30	60				
*DL3YEI	15,456	168	14	78	IK4SDS		185,752	509	53	167	IK3VHO	3.5	105,210	792	21	69	*SP5YQ		11,352	66	24	42				
*DF3JN	9,828	88	25	53	IK3SCB		121,014	324	51	115	IK0VSR		71,680	270	38	102	*SP3AOT		8,802	62	21	33				
*DL90T	9,758	46	37	45	IK5RSL		115,230	283	55	112	IK0DWJ		63,042	306	32	101	*SP3PF		6,768	54	17	30				
*DL2ZA	9,570	90	20	46	IK0VSR		71,680	270	38	102	IK4QIE		56,090	210	47	95	*SP8HXN	14	51,120	278	21	69				
*DL5AMF	5,728	46	25	32	IK1RQO		50,505	227	32	79	IK0PRG		24,064	326	10	54	*SPBBAB		35,931	161	27	60				
*DL2HEB	4,536	77	13	43	IK0TUG	A	430,416	818	81	255	IK0TUG	A	430,416	818	81	255	*SP6SYF		31,450	170	26	59				
*DF9RC	3,696	52	14	30	IK4EWX		388,360	850	69	197	IK4EWX		388,360	850	69	197	*SP9GKM		19,910	160	14	41				
*DL3JRA	1,785	29	14	21	IK4UKS		295,120	449	83	227	IK4UKS		295,120	449	83	227	*SP9HOF		17,584	168	14	42				
*DJ5GG	28	1,148	43	7	IK4SDS		185,752	509	53	167	IK4SDS		185,752	509	53	167	*SP1IXG		16,247	99	19	58				
*DL3BRA	21	67,362	249	30	79	IK3SCB		121,014	324	51	115	IK3SCB		121,014	324	51	115	*SP5ICS		12,400	140	13	37			
*DL1EMH		53,457	208	29	74	IK5RSL		115,230	283	55	112	IK5RSL		115,230	283	55	112	*326CXH		10,633	117	14	35			
*DL8HCO		52,250	227	29	66	IK0VSR		71,680	270	38	102	IK0VSR		71,680	270	38	102	*SP6STS		8,610	116	9	26			
*DL2TG		32,148	135	28	66	IK0DWJ		63,042	306	32	101	IK0DWJ		63,042	306	32	101	*SP5OXJ		1,971	33	11	16			
*DL4JUL		29,829	183	21	40	IK4QIE		56,090	210	47	95	IK4QIE		56,090	210	47	95	*SP2FAP	7	206,920	660	33	109			
*DL8NBY		27,619	141	22	49	IK1RQO		50,505	227	32	79	IK1RQO		50,505	227	32	79	*SP6OJE		152,614	509	39	115			
*DL2YAK		12,480	116	14	34	IK2TGC		36,176	172	35	98	IK2TGC		36,176	172	35	98	*SP5ANX		59,808	383	20	76			
*DK9KW		464	11	7	IK3VYK		34,048	173	38	74	IK3VYK		34,048	173	38	74	*SP7JCO		59,424	349	22	74				
*DL1YAW	14	302,917	850	37	112	IK2NVE		20,160	112	32	64	IK2NVE		20,160	112	32	64	*324HGL		51,584	299	25	79			
*DL3LAR		94,916	357	32	90	IK7RA		19,400	164	22	75	IK7RA		19,400	164	22	75	*SP5JHL		46,075	262	22	73			
*DL1MGB		86,557	418	22	79	IK0UUM		14,134	164	16	45	IK0UUM		14,134	164	16	45	*SP2WOW		26,448	235	15	61			
*DF7TU		29,930	227	19	54	IK0ADY		11,592	90	23	49	IK0ADY		11,592	90	23	49	*SP1XJ		24,568	220	16	58			
*DL2SBY		22,936	200	16	45	IK2IAR		8,932	82	22	55	IK2IAR		8,932	82	22	55	*SP9OYK9		10,800	150	12	43			
*DL5DC		2,016	40	10	11	IK6HWX		4,346	52	20	33	IK6HWX		4,346	52	20	33	*SP9EML		8,700	101	15	42			
*DL7BY	7	94,464	387	31	97	IK0LTX		3,621	51	17	34	IK0LTX		3,621	51	17	34									



*LW4DYI	28	83,283	416	23	48
*LU80S	"	58,020	339	20	40
*AZ9W	"	51,852	341	20	38
		(Opr. LUJUL)			
*L5F	"	4,323	57	15	17
		(Opr. LU1FHNH)			
*LU6MFD	"	3,240	129	11	16
*LW8EXF	"	1,185	36	8	7
*LW0CD	"	1,156	31	9	8
*LU4FM	21	687,456	1846	29	97
		(Opr. LU3FSP)			
*LSTEE	"	231,000	774	27	78
		(Opr. LU7EE)			
*LU4AF	14	466,662	1281	31	92
*LU7EAR	"	113,680	493	30	61
*LU1BW	"	55,930	211	33	62
*LU5EW	"	31,034	180	22	37
*LU4HKN	"	9,321	94	12	22
*LU3EAQ	"	4,880	47	16	24
*LU1AEE	7	11,132	87	15	31

**ARUBA**

P40W	A	9,278,280	5797	136	404
		(Opr. W2GD)			
P49V	"	7,042,488	4829	215	367
		(Opr. N7NG)			
P40J	3.5	641,245	1650	28	103
		(Opr. WX4G)			

**BOLIVIA**

*CP1OZ	A	174,675	435	50	87
		(Opr. J65OXU)			

**BRAZIL**

ZX2A	A	142,578	300	64	114
		(Opr. PT2BW)			
PQ1CZ	"	107,406	366	43	59
PY1AJK	"	40,626	121	52	70
PT7NK	"	21,400	77	39	68
PY2NFE	"	10,175	71	22	33
ZX5CW	28	118,065	526	25	60
ZW5B	21	1,359,881	2925	36	131
		(Opr. LU6BEG)			
PY4AST	14	1,960	23	16	19
PY1CAS	7	6,665	65	16	27
*PW2N	A	503,652	946	69	119
		(Opr. PY2NY)			
*PU2MHB	"	467,100	916	65	115
*PPTCW	"	103,500	270	53	97
*PPTCJ	"	61,008	194	41	82
*PPTSD	"	56,970	152	45	90
*Z2W2	"	31,304	197	22	34
		(Opr. PY2Z)			
*PY2NZR	"	24,346	118	24	50
*PT2NP	"	22,090	102	39	46
*PY4WS	"	18,414	128	37	63
*PY7QJ	"	11,137	98	43	68
*PY2DUN	28	338	18	6	7
*PU2KER	21	23,789	120	20	53
*PT2AZ	"	14,396	96	22	39
*PY2PAH	"	10,608	141	14	12
*PY2OZF	"	10,290	106	11	24
*PU2RCM	"	5,396	58	18	20
*PY5FB	3.5	722	17	8	11

**CHILE**

CE3F	A	429,125	1170	34	91
		(Opr. CE3FIP)			
CE3BFZ	"	11,550	131	13	17

**COLOMBIA**

HK5QGX	A	4,560	41	16	24
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**ECUADOR**

*HC2NWI	21	12,352	142	13	19
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**FERNANDO DE NORONHA**

PY0FF	A	10,247,400	5785	153	447
		(Opr. CT1BOH)			

**GUYANA**

8R1K	A	5,798,879	3935	131	368
		(Opr. AB6NJ)			

**PARAGUAY**

ZP0C	21	14,760	137	15	26
		(Opr. ZP6CC)			

**TRINIDAD & TOBAGO**

9Y4H	A	7,124,700	4749	139	369
		(Opr. K6NA)			

**URUGUAY**

CX6VM	21	779,955	1896	34	111
CX0CV	14	1,065,075	2450	38	127

**VENEZUELA**

YV5A	7	1,364,465	3095	35	122
		(Opr. DH0XX)			
YV10B	1.8	55,350	415	15	30
*YV6AZC	28	62,532	437	17	37
*YV7QP	3.5	34,578	231	12	39

**QRP**

**WORLD**

DL2HBX	A	715,035	1017	86	279
AA2U	"	602,089	661	85	247
PV2U	"	564,756	909	76	152
		(Opr. PY2QU)			
LY3BA	"	540,379	1095	72	251
JAG6CE	"	438,084	629	97	186
KP40DB	"	296,823	915	48	115
DL3KVR	"	249,444	683	55	179
YU7TY	"	236,032	589	69	187
JAGUBK	"	227,734	401	89	158
YU1LM	"	202,248	760	49	172
LX2PA	"	196,225	500	62	173
WT3W	"	196,168	328	67	159
NI1AFC	"	191,061	425	50	157
DL0QW	"	190,128	529	54	150
		(Opr. DL4MFM)			
YU1GN	"	187,257	513	58	183
KV8S	"	182,856	312	70	158
NM1Q	"	180,504	335	49	158
N7IR	"	178,704	334	72	132
RA3MR	"	176,784	498	51	181
UA0KCL	"	163,608	504	50	86
KR0B	"	161,202	302	63	138
		(Opr. AF9T)			
UA4YJ	"	160,035	509	53	182
UA9UUN	"	152,312	399	44	114
EA1GT	"	151,662	584	36	102
OH1LIZ	"	147,000	460	52	144
EA3FHC	"	145,302	584	54	149
F60IE	"	145,119	507	44	139
PA0ADT	"	143,114	483	42	121
IS0LYN	"	139,098	312	69	170
FB11PH	"	131,704	400	48	115
JK1GXU	"	108,720	275	67	84
EA7AAW	"	108,360	398	30	90
KA1CZF	"	104,328	223	52	132
HP1AC	"	102,935	393	44	75
VE7CA	"	90,240	331	59	69
Z71AB	"	89,112	213	45	113
		(Opr. SM5CCT)			
LA2HFA	"	86,394	345	36	118
9A3GU	"	78,842	344	38	120
K10G	"	65,703	210	54	67
N9LMU	"	63,961	156	61	106
DF1NH	"	63,800	355	30	115
W8OZA/6	"	59,776	182	53	75
WB8ITM	"	56,374	164	61	81
AA1CA	"	41,374	120	46	91
W8ERN	"	38,634	151	30	64
DJ3XK	"	35,712	250	37	91
W400	"	30,016	118	43	69
DL4GBR	"	27,634	337	32	50
TA220	"	25,472	120	22	42
YL2TW	"	24,096	212	22	74
DL1LAW	"	21,836	209	21	82
W6ZH	"	21,074	100	33	49
DL1DDY	"	20,544	122	27	69
N7JXS	"	19,872	107	28	41
OK1DEC	"	19,206	140	28	71
K3WWP	"	17,028	85	29	62
VE6GK	"	16,912	146	27	27
VE2AB0	"	16,896	124	24	42
VE7CQK	"	15,950	157	25	25
OH2YL	"	14,553	109	20	43
W0KEA	"	12,675	78	28	47
DJ5JA	"	11,692	148	21	58
OE1KYW	"	9,048	133	15	43
LZ1KZ	"	6,372	108	14	45
UA6LDF	"	6,120	60	18	20
VE2BLX	"	5,957	75	17	20
HB9AYZ	"	5,461	93	10	33
AB50U	"	5,406	47	26	27
PA0TA	"	4,551	57	15	26
WD9IWP	"	4,108	35	24	28
W2JEK	"	3,840	33	18	30
SM0HPL	"	2,744	50	14	35
Y04AAC	"	1,332	33	8	28
DL2PY	"	974	32	10	23
N8AXA	"	651	14	11	10
HB9LDO	"	540	12	8	10
OK1DMP	"	234	8	6	7
LUGHUP	28	5,712	65	17	17
JR7RJZ	"	144	7	4	5
PY3FB1	"	72	14	3	3
SS9D	21	47,430	204	30	63
JA1YNE	"	33,150	172	27	51
		(Opr. JR1KNK)			
G0TDX	"	32,067	220	20	43
EA1BMA	"	21,500	225	12	31
VE7FJE	"	15,551	185	15	24
EA1BV	"	12,190	120	16	37
EA3CKX	"	9,234	111	16	22
ES1CR	"	4,242	50	15	27
SP6JOE	"	1,794	38	8	15
UA0KAY	14	84,870	374	25	65
SM3DXC	"	35,112	221	23	65
JR7RPC	"	26,784	139	23	49
JH3FTZ	"	26,727	165	20	39
EA2ANG	"	16,720	210	10	34
HB9CBR	"	14,664	165	12	40
HB0GK	"	12,236	143	10	36
OM7PY	"	10,368	88	18	35
JR40DAH	"	9,640	87	18	22

EA1ATL	"	9,460	106	11	32
VE5AEO	"	9,361	124	16	21
JK2K0X	"	9,180	81	18	27
EA8/DL4TJ	"	8,730	68	12	33
DL40BJ	"	7,410	110	19	20
DL1AWH	"	5,863	62	11	44
JR0GFM	"	4,585	51	18	17
SM5DQ	"	3,939	43	15	24
OZ5RM	"	3,782	62	9	22
KA6SGT	"	2,888	67	10	9
EA3AJM	"	1,121	27	7	12
JK10LP	"	707	31	11	14
IT9GXE	"	176	14	4	7
J45EU	"	104	6	3	5
OM7DX	7	110,880	392	31	101
G3JXC	"	61,586	350	23	83
SM0DZH	"	41,499	320	21	66
RA3FO	"	29,151	215	23	56
ON6TJ	"	16,815	177	11	46
UX8IX	"	16,236	104	21	45
F5LJM	"	6,966	120	7	36
JA1AA	"	5,402	58	17	20
JL3SBE	"	1,188	33	8	10
JA8HSC	"	76	7	2	2
WA0QOI	"	48	5	4	4
SP4FG	3.5	41,902	474	13	60
UT1PO	"	27,553	423	9	50
ES1CW	"	24,674	266	12	61
H8LHU	"	19,380	249	10	58
SP8UFY	"	10,246	215	7	40
UA4SMM	"	7,320	158	8	32
DL6JBA	"	1,015	36	5	24
HB9QA	"	806	29	6	20
UT8IT	1.8	11,070	172	9	45
OM2ZZ	"	4,251	110	5	34
Y04FRF	"	2,640	83	3	30
SP5NOG	"	500	26	3	17

**ASSISTED**

**UNITED STATES**

K2SX/1	A	2,738,177	1605	147	460
W1NG	"	1,893,310	1142		



<b>SWEDEN</b>				<b>ASIA</b>				<b>CZECH REPUBLIC</b>				<b>GREECE</b>			
SK0WJ	A 1,512,728	2062	116 338	W6UE	301,674	415	96 178	OK5W	5,581,765	3445	167 540	SV1AFA	617,070	1314	80 255
(Opr. SM0THN)				W6YRA	4,602	70	13 13	OL3A	4,270,620	3406	157 496	<b>HUNGARY</b>			
SM3AA	1,375,166	1610	112 354	NK7U	1,296,850	1259	121 249	OK2KOD	1,118,656	1364	111 337	HG5A	4,853,759	3398	157 510
SM5IMO	821,997	1142	98 263	WA7EGA	1,069,764	1085	121 252	OL5T	728,802	1346	77 265	HG6Y	2,741,025	2669	130 395
SM0DJZ	7 85,140	376 33 99	W7/ES5MC	777,280	1009	105 215	OK2OSU	397,568	984	70 186	HG5M	2,587,115	2689	117 388	
SM3BDZ	1.8 77,657	574 17 62	KF7JF	486,343	727	84 163	OK2KDS	293,964	625	67 195	HA3KNA	1,138,209	1483	116 345	
<b>UKRAINE</b>				A87BS	430,078	767	97 139	OK2KVI	420	20	6 9	HG6V	145,110	1004	23 82
US2YU/UT5U	3.5 7,943	132 10 37	K8AZ	6,074,623	3022	156 547	<b>ENGLAND</b>				HA4KYV	34,216	200	28 76	
<b>SOUTH AMERICA</b>				K8JP	1,450,840	1139	117 343	G85WW	3,484,838	3035	137 444	<b>IRELAND</b>			
<b>BRAZIL</b>				K8DO	1,001,880	1117	97 233	<b>EUROPEAN RUSSIA</b>				EI7M	3,722,998	3421	126 416
PU2LSR	21 66,120	322 27 49	K8VS	102,828	195	74 135	RS3A	5,439,879	4316	163 554	<b>ITALY</b>				
<b>MULTI-OPERATOR SINGLE TRANSMITTER NORTH AMERICA</b>				K8YK	3,856,006	2042	155 531	RU1A	4,874,616	3647	166 545	IQ4A	7,030,000	3928	176 564
<b>UNITED STATES</b>				K9BC	4,083,024	2460	151 441	RN4W	3,019,218	3038	137 470	IQ2X	3,878,322	2870	152 490
K1AR	9,008,245	4084	166 585	K9CQ	3,536,250	2097	152 473	RZ6AXO	2,118,561	2150	140 439	I2K	3,524,934	2886	137 437
K1DG	7,119,538	3442	160 559	K9DP	2,113,176	1476	142 379	RK4WWA	1,769,482	2241	114 392	IR3X	1,301,832	1868	98 280
K1ZZ	6,071,210	2958	159 551	KG0E	110,971	225	77 114	U24AYT	754,626	1443	85 261	IQ2L	775,799	1136	94 265
K1KP	3,457,710	1951	145 473	VA9DH	5,418,900	3952	124 416	RK6AYN	871,222	1355	98 300	IK4UOP	649,298	1123	94 244
K1RX	3,257,078	1823	150 476	CG2ZP	1,791,042	2132	96 265	RK3QWM	673,326	383	62 160	IQ2W	50,922	255	34 104
KB1H	2,786,112	1703	134 442	V02WL	1,354,353	2094	76 211	RK3RYR	181,051	400	67 180	<b>KALININGRAD</b>			
KT1C	1,231,818	1037	103 319	VE6AO	550,896	1414	68 116	RK1OWZ	16,975	146	21 76	RK2FWA	5,689,160	3909	169 545
N2NU	7,311,630	3376	169 584	VE2CLM	31,312	210	34 42	<b>KIRGHIZIA</b>				<b>LITHUANIA</b>			
NF2L	2,924,917	1700	139 460	EX2M	2,171,415	2418	97 264	EX2M	2,171,415	2418	97 264	LY3MR	1,493,874	1608	124 433
K2QMF	1,772,385	1191	116 403	JT1T	1,609,344	2524	86 202	<b>MONGOLIA</b>				<b>LUXEMBOURG</b>			
NS2K	1,729,626	1299	115 359	<b>EUROPE</b>				<b>BALEARIC ISLANDS</b>				<b>NETHERLANDS</b>			
AB2E	1,519,203	1066	118 393	<b>4U-GENEVA</b>				E6IB	6,931,600	5361	158 492	PI4CC	1,919,456	2255	113 338
N2FF	873,776	862	93 295	4U0TU	3,970,230	3980	137 446	<b>BELEGIUM</b>				PI4ZLD	1,762,992	2019	112 365
N2SS	357,046	394	92 242	OE2S	3,788,820	3072	148 482	ON6AH	1,520,685	1761	104 319	PI4TUE	1,333,520	1573	103 292
WA2LCC	89,460	193	56 124	<b>AUSTRIA</b>				ON6RM	118,767	421	50 133	PI5OALK	48,641	230	37 90
W2SEX	66,880	172	54 106	<b>EUROPE</b>				<b>BOSNIA-HERZEGOVINA</b>				<b>NORWAY</b>			
N3RS	7,322,805	3459	159 576	<b>4U-GENEVA</b>				T99MT	1,622,539	2231	97 300	LA9GX	2,383,248	2726	124 395
W3GG	2,240,760	1391	132 436	OE2S	3,788,820	3072	148 482	<b>BULGARIA</b>				LA5M	17,181	165	24 59
N3BNA	1,432,530	1018	125 370	<b>EUROPE</b>				<b>GERMANY</b>				<b>POLAND</b>			
N4ZC	3,595,071	1859	157 530	<b>4U-GENEVA</b>				DF0HQ	6,310,953	3769	176 553	SN2B	5,672,828	3700	166 555
K4LTA	1,255,184	992	124 354	OE2S	3,788,820	3072	148 482	OH7M	3,463,854	2911	159 499	SP9PDF	470,532	669	94 253
W4PRO	1,033,758	745	120 386	<b>EUROPE</b>				OH4AB	1,953,640	2105	138 440	SP9KRT	273,790	608	23 75
WX0B/S	3,366,886	2043	157 465	<b>EUROPE</b>				OH5LAQ	1,305,604	1980	94 325	SP3KPN	24,926	168	22 81
KS1G/S	2,372,958	1755	134 375	<b>EUROPE</b>				OH2AA7	1,088,235	1661	90 315	<b>SCOTLAND</b>			
AG6D	2,149,839	1621	143 334	<b>EUROPE</b>				TM9C	5,459,592	3977	163 491	GS4TMS	1,112,150	2006	82 243
K6XT	1,077,876	824	147 327	<b>EUROPE</b>				TM2Y	4,785,504	3404	151 480				
WAGIET	976,005	943	120 249	<b>EUROPE</b>				TM8A	2,353,344	2799	113 363				
				<b>EUROPE</b>				F6KCS	883,440	1362	85 275				
				<b>EUROPE</b>				TM6SPF	184,036	724	36 103				
				<b>EUROPE</b>				F5KAC	150,150	460	48 147				
				<b>EUROPE</b>				<b>FRANCE</b>							
				<b>EUROPE</b>				<b>GERMANY</b>							
				<b>EUROPE</b>				<b>IRELAND</b>							
				<b>EUROPE</b>				<b>ITALY</b>							
				<b>EUROPE</b>				<b>LITHUANIA</b>							
				<b>EUROPE</b>				<b>LUXEMBOURG</b>							
				<b>EUROPE</b>				<b>NETHERLANDS</b>							
				<b>EUROPE</b>				<b>NORWAY</b>							
				<b>EUROPE</b>				<b>POLAND</b>							
				<b>EUROPE</b>				<b>SCOTLAND</b>							

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<b>SLOVAK REPUBLIC</b>				K6VI	2,386,787	1756	142	345	<b>LITHUANIA</b>										
OM7M	5,110,824	3213	172	560	NM3K	1,837,394	1465	106	336	LY5A	9,187,864	6279	170	594					
OM5M	5,234,320	3379	173	555	K3DI	1,236,852	1047	107	316	LY7A	4,255,236	4165	144	468					
OM3RKA	1,957,740	1972	123	364	K7FR	1,051,725	1130	125	254	<b>NETHERLANDS</b>									
OM3RJB	1,333,563	1372	123	360	WK6V	856,004	920	114	232	PH4COM	7,293,879	5419	155	532					
OM3KTR	7,181	109	11	32	NE3F	451,915	487	97	258	<b>SPAIN</b>									
<b>SPAIN</b>				EA5FX	3,316,608	2951	136	440	EA4ML	2,160,239	2554	107	350						
EA3CWX	1,609,920	2152	108	282	N3ADL	307,197	352	85	236	<b>SWEDEN</b>									
EA5BY	1,563,900	2105	105	285	AA3GQ	28,145	209	32	33	SI0GM	411,264	867	74	214					
<b>SWEDEN</b>				<b>ALASKA</b>				<b>TURKS &amp; CAICOS ISLANDS</b>				<b>UKRAINE</b>							
SI6GM	2,797,340	2868	134	396	NL7G	9,911,736	7797	154	368	VP5FOC	12,382,625	9407	148	427	EM2I	10,217,031	7756	156	581
8S3BG	1,295,043	2245	85	294	<b>AFRICA</b>				<b>YUGOSLAVIA</b>										
SK5AJ	771,524	1083	101	300	<b>BENIN</b>				YT9W	9,412,552	6305	191	633						
SK6NL	30,096	144	34	65	<b>ASIA</b>				<b>OCEANIA</b>										
<b>UKRAINE</b>				<b>ASIATIC RUSSIA</b>				<b>HAWAII</b>				<b>NEW ZEALAND</b>							
UT7L	1,509,825	1703	120	371	RK9CWW	9,704,772	5374	158	535	WH6R	7,745,160	5605	149	325	ZM2K	5,591,425	4298	135	310
UR4PWC	505,180	1026	75	215	<b>JAPAN</b>				<b>CHECK LOGS</b>										
US4LWM	164,312	668	51	133	JA3ZDH	9,261,126	5013	172	479	Our thanks to the following stations who sent in check logs:									
UR4MWU	83,356	304	52	130	JH5ZJS	7,067,838	4360	161	410	3Z4EAK, 4Z5BZ, DJ0SH, DK5OS, DL1JEI, DL2HWI, DL4HO, DL5AMF, DL5AVJ, DL5LRA, DL6UCI, DL7UEO, DL7VAF, DL8DZY, EA1EXJ, EA1FAE, EA1KW, EA2AGB, EA2BXJ, EA3AEI, EA3AFW, EA4FW, EA5ABH, EA5AI, EA5GCE, EA5LQ, EA5GR, EA5OI, EA5OT, EA5TD, EA7BB, EA7GVW, EA7HDW, EA7KN, EA7AEC, HA9HH, HA5AF, HA5FQ, HA7PW, HK6KKK, IK4MED, K3SWZ, K6FM, KA2PQY, KP4TP, KP4XX, K54XS, LA2TD, LA4IAA, LA4JHA, LA4QGA, LA5LT, LA5MT, LA5MT, LA5OC, LA6BG, LA7LJ, LA7SI, LA8CA, LA8CC, LA9HF, LA9PH, LA9VA, LZ1HX, LZ1VQ, LZ1YW, LZ2AU, LZ2BN, LZ2UZ, LZ3AB, LZ4BU, OH0KLG, OH1B0I, OH1NAD, OH1PI, OH1VL, OH2DW, OH3MAF, OH3WR, OH4LJL, OH5FA, OH5MG, OH5FT, OH5WL, OH5YX, OH6UC, OK1AD, OK1AK, OK1DWJ, OK1FKW, OK1JJD, OK1ZJ, OK2PAU, OK2PIP, OK2PKJ, OK2PKY, OM8AG, OY3QN, OZ1EUO, OZ5MJ, OZ5PA, OZ7QB, PA0HRM, PA0UV, PA3ASC, PA3CNI, PY200, PY2SP, PY3CJ, RA4XR, RA4LAH, RA4FPC, RN1NAM, RV1CW, RV6AA, RW3KA, RX1AG, RX3ARI, RZ1NWT, SM0BNK, SM0BXT7, SM0CSX, SM0DJZ, SM2KAL, SM3CBR, SM4TYF, SM5BFJ, SM5BUH, SM5CAR, SM5MLE, SM5OL, SM6BSK, SM6BZE, SM6FPZ, SM6NM, SM6OF, SM7CZ, SM7EH, SP1LE, SP2EFU, SP2GUB, SP2GUC, SP2LNV, SP3LAU, SP4DZT, SP4ETU, SP6FLB, SP6AE, SP6AU, SP6BN, SP6CT, SP6CTC, SP6LK, SP6OU, SP7BCA, SP7EJ, SP7EX, SP7HB, SP7OHS, SP7VA, SP8FH, SP8HM, SP9DTH, SP9QJ, TF3DX, UA0GW, UA0ZAM, UA10SA, UA3DFV, UA4FLB, UA6BS, UA9CES, UN6T, UR5EIT, UT5JDS, UA4JN, VT3CO, VA3MM, VE1ACU, VE3AVE, VE3BR, VE3BZ, VE3KI, VE3ST, VE4COZ, VE6JO, VK3KS, VK3XB, VK4VJ (Opr. VK8AV), W8RV, W85CRG, WP4LNY, WV3S, YC3UQU, Y03ABL, Y05BO, Y06LV, Y07KM, ZS2LL, ZS5IF, ZW2T (Opr. PY2TI).									
YU7BCD	1,095,122	1598	102	256	JA3ZDH	9,261,126	5013	172	479	<b>EUROPE</b>									
YU1AAV	474,484	600	68	240	JH5ZJS	7,067,838	4360	161	410	<b>BULGARIA</b>									
YU1HFG	320,535	804	64	191	JA1YDU	6,320,496	3655	171	453	<b>LZ1R</b>									
YZ7A	304,546	725	62	192	JA3YK	3,491,196	2874	126	302	<b>5,273,028 4900 148 491</b>									
<b>OCEANIA</b>				<b>MYANMAR</b>				<b>UNITED ARAB EMIRATES</b>				<b>CORSICA</b>							
VK4EMM	1,257,837	1608	94	175	XZ1A	3,088,176	3704	109	283	<b>TK2C</b>									
<b>AUSTRALIA</b>				<b>EUROPE</b>				<b>CROATIA</b>				<b>GERMANY</b>							
AH0T	7,236,000	4550	152	388	A51AF	1,980,180	1898	101	285	<b>9A1A</b>									
<b>NORTHERN MARIANAS</b>				<b>BULGARIA</b>				<b>CZECH REPUBLIC</b>				<b>DENMARK</b>							
DX9C	5,848,886	4359	132	306	LZ1R	5,273,028	4900	148	491	<b>OZ5W</b>									
<b>PHILIPPINES</b>				<b>EUROPE</b>				<b>DODECANESE</b>				<b>ENGLAND</b>							
DX9C	5,848,886	4359	132	306	TK2C	15,648,052	10319	181	631	<b>JA5T</b>									
<b>SOUTH AMERICA</b>				<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>							
HC8N	14,302,820	7252	162	503	9A1A	15,394,068	9063	190	659	<b>9,262,892 6257 163 553</b>									
<b>GALAPAGOS ISLANDS</b>				<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>							
HC8N	14,302,820	7252	162	503	OK10KE	61,506	237	41	93	<b>7,178,850 5298 169 573</b>									
<b>PARAGUAY</b>				<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>							
ZP0R	1,060,560	1531	82	158	OZ5W	4,653,864	3871	146	447	<b>4,080,268 3463 143 483</b>									
<b>VENEZUELA</b>				<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>							
4M5X	10,277,794	5427	148	493	OZ5WQ	2,599,384	2676	141	443	<b>2,267,001 1890 131 430</b>									
<b>MULTI-OPERATOR MULTI-TRANSMITTER NORTH AMERICA</b>				<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>							
<b>UNITED STATES</b>				<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>							
N2RM	12,765,600	5733	169	619	JA5T	1,513,635	3544	79	260	<b>542,532 825 86 262</b>									
W3PL	12,439,905	5603	176	631	<b>DODECANESE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
K3LR	11,908,899	5281	176	631	JA5T	1,513,635	3544	79	260	<b>4,080,268 3463 143 483</b>									
K1KI	11,680,892	5391	169	609	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
KY1H	8,718,302	4346	167	5665	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
KY3N	7,256,201	3584	159	554	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
K4VX/B	6,617,160	3839	159	501	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
K8CC	6,353,538	3385	157	521	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
W1CW/A	5,872,324	3304	149	612	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
K2LE/1	5,350,569	2919	151	500	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
WB9IH/9	5,085,330	2819	156	518	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
K3ANS	4,481,400	2377	152	527	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
W9KDX	4,133,430	2349	155	475	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
W6BA	3,977,056	2364	165	427	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
W8LLD	3,822,910	2068	156	522	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
N04I	3,897,280	2417	147	461	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
K3EST/6	3,633,519	2534	147	372	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
N6DX	3,608,730	2182	167	439	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
N2MM	3,608,942	2194	131	446	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						
W4MYA	3,133,625	1917	138	445	<b>EUROPE</b>				<b>GERMANY</b>				<b>ENGLAND</b>						

Disqualified for unverifiable QSOs: XR1X, LZ5W, F6DDR, KING (Opr. KHG).