

Results of the 2003 CQ WW DX SSB Contest

BY BOB COX,* K3EST

Expanded CQ WW Contest Results on the Web

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

To view these additional and expanded elements of the 2003 CQ WW SSB results, go to <<http://www.cq-amateur-radio.com/cqwvhme.html>>, then click on "Expanded Results, 2003 CQ WW SSB" and select the category you want to see. You may also get there by going to our home page at <<http://www.cq-amateur-radio.com>>, clicking on "Contest Rules & Info," then clicking on "CQ World Wide DX Contest" and selecting "Expanded Results, 2003 CQ WW SSB."

It was predicted that solar conditions would not cooperate for the 2003 CQ WW DX SSB Contest. However, that did not stop 4093 contestants from entering the world's largest international radio event. For weeks before the contest the bands were quiet. Suddenly, at 0000 UTC on October 25 they exploded into life, and once again the CQ WW made its own propagation. The activity over the weekend can best be summarized by the words of the entrants themselves:

"Once again CQ WW SSB beat the propagation pundits! The sheer volume of signals on the band during CQ WW must warm up the ionosphere, providing better than expected conditions"—G3TXF. "Wow, what a ride! Solar flares followed by great activity and then interrupted by 'RF blackouts'—WN6K (*the best description of the weekend's propagation—ed.*). "Flux at 298—wow! Great conditions; amazing signals on 10 meters. Went very auroral Sunday evening on 40"—G3BJ. "CQ WW wins again!"—GU5W. "Conditions were great on 15 meters! That major flare right before the contest seemed to seed the ionosphere with DX-friendly electrons!"—K2MFY. "Another great WW! The RF blackout on Sunday was the strangest thing we ever saw. All three high bands went to S0 in seconds at 1751Z. After confirming the towers were still standing, we realized what had happened"—W4WS. Aurora, our faithful friend, was again present, even in visible form on Friday night—OH1F.

Sure the CQ WW is a fantastic competition, but it is much more than that. It is a celebration of ham radio skill and effort. Over the years, thousands of hams throughout the world have received their first ham radio thrill in the CQ WW. New hams and old timers who enter the CQ WW become addicted, as evidenced by the following comments from the 2003 contest: "My first contest. I am trapped!"—OA4BQE. This could be addictive—KA2BZS. The greatest phone contest, a five-star contest!—YC2ECG.

Following is a summary of the results. The line scores are presented elsewhere in this issue. Look them over and find your callsign.

High Power, All Band

D4B is located on a mountaintop on an island at 15°N latitude. Over the last few years Al, 4L5A, has built a world-class station, which can be seen at <<http://www.qsl.net/d44tt>>. All of his hard work has paid off, too. Al took the top position in the world in the very competitive High Power All Band category with the all-time #2 score. Finishing in second place was Jim, W7EJ, who operated CN2R to new heights. Third place went to Dave, NN1N, who put HC8N in lots of logs (<http://hc8n.info/>). The top three entrants in Europe all broke the 5-million points barrier. First place in Europe was M6T operated by Andy, G4PIQ. Second was taken by Steve, GW4BLE, and third place went to Tonno, ES5TV, with his FB station (<http://www.lhv.ee/images/files/es5tv.htm>).

Breaking the 6-million point barrier is a real accomplishment. Bob, KQ2M1, pushed his station over the barrier for the top U.S. position. A little farther to the north, Randy, K5ZD1 (on <www.qrz.com>), took second-place honors. There was a real battle for third place between two Indiana friends. Finally, Mike, W9RE, just edged out Pat, N9RV (www.qrz.com). The difference was only about two QSOs! Special mention must be made of the fine score of KH7X operated by Mike, KH6ND. What an effort! For the first time, three Canadian stations made the world top ten box: VY2ZM, VC3AT, and VE2IM.

The top scorers from each continent were: North America 8P1A, Africa D4B, Asia C4W, Japan JH4UYB, Europe M6T, South America HC8N, and Oceania KH7X.

Low Power, All Band

Zone 34 is hard to work, as everyone knows. When SU9NC operated by W9NC takes the world top place Low Power All Band, you know there were a lot of smiles around the world during the contest. I'll bet he could hear, "Yes!!" every time he worked someone. World second place went to CQ0T operated by CT1ILT, who is 17 years old! Quite a job. Third place in the world went to A45WD operated by Alex, YO9HP. Another Asian top score and tops in Asiatic Russia was Willy, UA9BA, operating UA9AYA. Second place in Europe went to Zlatko, 9A2EU, and rounding out the top three was Dave, G4BUO.

All three top U.S. entrants were *not* on the east coast . . . well, sort of. Jeff, N8II, in West



The Cape Verde mountaintop location of Single Op, High Power, All Band World winner D4B, operated by Alex, 4L5A.

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TROPHY WINNERS AND DONORS

| | | |
|---|---|---|
| SINGLE OPERATOR | World – 3.7 MHz | Japan |
| World All Band | Hrane Milosevic, YT1AD | JA7YAA (Oprs.: JI5RPT, JE7HLZ, JG7PSJ, JO7DJT, JO7FTJ, JH0NZN) |
| D4B (Opr. Alexander Teimurazov, 4L5A) Donor: Dave Rosen, K2GM WA2RAU and W2SKE Memorial | Donor: Fred Capossela, K6SSS | Donor: Vienna Int'l ARC – 4U1VIC |
| World Low Power | World – 1.8 MHz | Europe |
| Thomas Poland, SU9NC Donor: Slovenian Contest Club | Bojan Sever, S57M | IR4X (Oprs.: I4VEQ, I4TJE, I4IND, I4EAT, I4IKW, IK4DCT, IK2NCJ, IK2JUB, IK2QPR, IK2ULH, IZ4BOY) |
| World QRP | USA – 28 MHz | Donor: Bob Cox, K3EST |
| Valentin Benzar, 5B4AGM Donor: Doc Sayre, W7EW | Bill Tippett, W4ZV | |
| World Assisted | USA – 21 MHz | Oceania |
| 9Y4ZC (Opr. Bernd Och, DL6FBL) Donor: CTRI Contest Group | David Pascoe, KM3T/1 | YB0ZDA (Oprs.: YB0AI, YB0AR, YB0DPO, YB0ECT, YB0LBK, YF0ANA) |
| USA | USA – 14 MHz | Donor: Junichi Tanaka, JH4RHF |
| Robert Shohet, KQ2M/1 Donor: Potomac Valley R.C. – KC8C Memorial | Gene Frohman, K1RU | |
| USA Low Power | USA – 7 MHz | South America |
| Jeffrey Hartley, N8II Donor: North Coast Contesters | Bill Kollenbaum, K4KXS | FY5KE (Oprs.: F1HAR, F5HRY, F5LND, F5MZM, F6FGZ, F6FVY, FY5FY) |
| USA Zone 3 | USA – 3.7 MHz | Donor: The Cuba Libra Contest Club – Victor Burns, KI6IM |
| Mitch Mason, K7RL Donor: Dave Pruitt, K8CC & Greg Surma, K8GL | Theodore Demopoulos, KT1V | |
| USA Zone 4 | USA – 1.8 MHz | MULTI-OPERATOR, TWO TRANSMITTERS |
| Mike Wetzel, W9RE Donor: Dave Pruitt, K8CC & Greg Surma, K8GL | Charles Dietz, W5PR | World |
| Canada | Carib./C.A.(14 MHz) | IH9P (Oprs.: I2IFT, IK2ANI, IK2CIO, IK2HKT, IK7JWY, I8QLS, IK8ETA, IN3QGY, IT9BLB, OK1FUA) |
| YV2ZM (Opr. Jeffrey Briggs, K1ZM) Donor: Niagara Frontier Int'l DX Assn. VE3WT Memorial | KP2A (Opr. James Neiger, N6TJ) | Donor: Ranko Boca, YT6A |
| Caribbean/C.A. | Europe – 28 MHz | USA |
| 8P1A (Opr. Thomas Georgens, W2SC) Donor: Alex M. Kasevich, VP2MM | Danielion Vencina, S58D | K4JA (Oprs.: K4JA, W3BP, K9JY, KA9FOX, K4MA, K4ZW, KE9I, K9GY) |
| Europe | Europe – 21 MHz | Donor: Doug Morgan, KH6U – KL7Y Memorial |
| M6T (Opr. Andy Cook, G4PIQ) Donor: Potomac Valley R.C. – W4BVV Memorial | Emil Balen, 9A9A | |
| Europe Low Power | Europe – 14 MHz | Europe |
| CQ0T (Opr. Filipe Monteiro Lopes, CT1ILT) Donor: Scott Jones, N3RA & Tim Duffy, K3LR | Robert Cummings, GI0KOW | 9A7A (Oprs.: 9A8A, 9A7V, 9A4RX, 9A4PA, 9A3OS, 9A3TR, 9A6DM) |
| Russia | Europe – 7 MHz | Donor: Aki Nagi, JA5DQH |
| Paul Bogachev, RK4FD Donor: Roman Thomas, RZ3AA | Joseph Cornee, F6CTT | |
| Africa | Europe – 3.7 MHz | Oceania |
| CN2R (Opr. Jim Sullivan, W7EJ)* Donor: Gordon Marshall, W6RR | Anrzej Worosz, SP8BRQ | KH0AA (Oprs.: JP1NWZ, JF1SQC, JA5OVU, JH1EAQ, JE1JKL) |
| Asia | Europe – 1.8 MHz | Donor: Japan CQ Ham Radio |
| C4W (Marios Nicolaou, 5B4WN) Donor: 2 AM Dayton Pizza Gang | Markovic Milovan, T9/KG6KZK* | |
| Japan | Oceania (28 MHz) | MULTI-OPERATOR, MULTI-TRANSMITTER |
| Masaki Okano, JH4UYB Donor: Tack Kumagai, JE1CKA | Hans Budhione, YB2DX | World |
| Japan Low Power | Japan – 21 MHz | C5Z (Oprs.: AB6BH, K5OT, K6AM, K6JL, OH2KI, N6AA, N6VI, N6ZZ, W6XD) |
| Minoru Kumoi, JE6EK/3 Donor: Western Washington DX Club | J12UNR | Donor: Dave Leeson, W6NL & Barb Leeson, K6BL |
| Oceania | Japan – 14 MHz | USA |
| KH7X (Opr. Michael Gibson, KH6ND) Donor: Northern California DX Club | Hiroyuki Inaba, JS3CTQ | KC1XX (Oprs.: KC1XX, K1DG, K3EST, K6AW, W2RQ, K1EA, W1FV, K1GQ, P4WW, KC1F) |
| South America | Japan – 7 MHz | Donor: Paul Hellenberg, K4JA |
| HC8N (Opr. David Patton, NN1N) Donor: Yankee Clipper Contest Club | Markovic Milovan, T9/KG6KZK* | Europe |
| SINGLE OPERATOR, SINGLE BAND | Oceania | OT3A (Oprs.: DH5HV, JK3GAD, ON1AEI, ON2BIG, ON2BJC, ON4AID, ON4AMI, ON4ASB, ON4AWU, ON4AWW, ON4BAG, ON4CCL, ON4CCM, ON4CDÉ, ON4CFQ, ON4CHO, ON4CMT, ON4DB, ON4FG, ON4FI, ON4LN, ON4LO, ON4XB, ON5CIM, ON5JC, ON5OT, ON5UM, ON6FX, ON6LK, ON6MR, ON6PU, ON6UM, ON7AM, ON7AW, ON7BRA, ON7CIP, ON7HU, ON7NB, ON9CC, Daniel, Denis, Francois, Laurens, Mia, Nancy, Rupert, ON10449, ONL10577, PA1BX, PC5A, SP8ARY) |
| World – 28 MHz | USA | Donor: Finnish Amateur Radio League |
| ZY5G (Opr. Walter Gomes Filho, PP5WG) Donor: Joel Chalmers, KG6DX | K8AZ (Oprs.: K8AZ, K8BL, K8MR, K8PP, N8AA, ND8L, W8CAR, W8KIC, WB8K, WT8C) | |
| World – 21 MHz | Carib./C.A. | Japan |
| PX5E (Opr. Sergio Almeida, PP5JR) Donor: Robert Naumann, N5NJ | VP5DX (Oprs.: AB4UF, NF4L, N4EPD, N4KE, K4UTE, WA4ET, NU4Y)* | JA3YBK (Oprs.: JH3PRR, JG3KIV, JI3OPA, JP3PZD, JM3XKG, JH4IFF, JH4NMT, JR4PMX, JF4FUF) |
| World – 14 MHz | Africa | Donor: Ryozo Goto, JH3JYS |
| P40A (Opr. John Bayne, KK9A) Donor: North Jersey DX Assn. – K2HLB Memorial | 3V8BB (Oprs.: PY5EG, S56A, YT1AD, YU1AO, YU1FW, YZ1BX) | CONTEST EXPEDITIONS |
| World – 7 MHz | Asia | World Single Operator |
| EA8AH (Opr. Pekka Kolehmainen, OH1RY) Donor: Fred Laun, K3ZO – K7ZZ Memorial | P3A (Oprs.: RA9JX, RZ9UA, RW4WR, UA9CDV, UA9UR, RA3AUU, RZ3AA, RA0AM) | VK9XD (Opr. David Burger, VK2CZ) |
| | AA6BB and KA6V Memorial | Donor: National Capitol DX Assn. Stuart Meyer, W2GHK Memorial |
| | | World Multi-Single |
| | | VP2E (Oprs.: KC5EA, N5AU, N5KO, N5TJ, K5MR) |
| | | Donor: Gail Schieber, K2RED |
| | | World Multi-Multi |
| | | 5I3A (Oprs.: 5H3GRN, 5H3JMN, 5H3NNN, 5H3PEN, 5H3WJN, K1XM [SH1X], KQ1F [SH1F]) |
| | | Donor: Tachio Yuasa, JA9VDA |
| | | SPECIAL SINGLE OPERATOR AWARD |
| | | World-All Band Under 21 years old |
| | | CQ0T (Opr. Filipe Monteiro Lopes, CT1ILT) |
| | | Donor: Gene Zimmerman, W3ZZ |
| | | *Second place |

Virginia used his skills to take the top U.S. spot. Second place went to Terry, N4TZ/9, in Indiana, while the bronze went to Marvin, N5AW, down in Texas.

The top scorers from each continent were: North America H7A, Africa SU9NC, Asia A45WD, Japan JE6EKC/3, Europe CQ0T, South America PR2F, and Oceania KH0A.

QRP

QRP in the CQ WW—what a great way to learn or improve those important contesting skills. Searching the bands for contacts and knowing

when to call a station or give up and find the next log entry is what QRP is all about. Working stations with 5 watts is exciting and may bring back long-forgotten contest skills.

The top three scores came from different continents. Taking the top world QRP place was Val, 5B4AGM. Second place and the top European entrant was Gerard, F5BEG. Third place and the top North American scorer was Dan, N8IE. Second place in the U.S. went to Tom, N4KG, followed by Tony, K8ZT. Second place in Europe was won by Guliev, UA3BLS, and third place went to DF1DX. Special mention must be made of the fine efforts of LU1VK, WA0VBW, KI0OV, and W7RAB. All of these stations were a long way from top QSO centers.

TOP SCORES

| | | | | | |
|----------------------|-------------------------------|----------------------|-------------------------------|------------------------------|---------------------|
| WORLD | YZ1AU.....637,956 | CQ9K.....26,357,967 | EA4TV.....209,088 | Multi-Op, Multi-Trans | K8OZ.....125,337 |
| All Band | HG8I.....510,300 | YV4A.....18,744,300 | IT9JOF.....136,764 | OT3A.....15,855,120 | KU1CW/0.....116,616 |
| D4B.....20,119,968 | YU1EA.....392,751 | KC1XX.....17,442,900 | SP3LWP.....130,379 | DF0HQ.....15,798,744 | K6EID/4.....113,407 |
| CN2R.....18,743,250 | CX2AM.....385,140 | OT3A.....15,855,120 | LZ9W.....10,184,832 | RW2F.....10,120,190 | 21 MHz |
| HC8N.....16,394,049 | PY4OY.....321,678 | | HB0/HB9AON.....8,942,519 | IS0/DL3EW.....8,254729 | K2MFY.....200,245 |
| PT0F.....14,426,804 | | | | | N4MO.....174,230 |
| 8P1A.....14,413,170 | 14 MHz | | | | W4LC.....163,457 |
| C4W.....10,174,500 | LY9A.....417,760 | M6T.....5,518,331 | HA3NU.....316,096 | | W0AH.....160,020 |
| VY2ZM.....8,843,125 | PY2NY.....389,136 | GW4BLE.....5,356,955 | EA5DF.....313,608 | USA | K9IR.....149,898 |
| KH7X.....8,488,048 | IT9STX.....375,600 | ES5TV.....5,049,000 | 9A4W.....273,222 | All Band | NG3Q/8.....143,706 |
| VC3AT.....6,898,752 | 4N1N.....373,490 | GMTV.....4,948,370 | | | |
| VE2IM.....6,534,052 | 9A7D.....350,838 | TM2Y.....4,376,532 | | | |
| | FM5FJ.....326,616 | S57DX.....4,344,600 | | | |
| 28 MHz | | DJ5MW.....4,118,400 | | | |
| ZY5G.....1,749,325 | 7 MHz | EA4KD.....3,850,674 | | | |
| PX2W.....1,629,950 | HC1/NP3D.....308,712 | OH0B.....3,807,620 | | | |
| ZW5B.....1,597,968 | LY5A.....197,965 | DJ4PT.....3,712,885 | | | |
| 9Y4NZ.....1,392,026 | OE5CWL.....75,144 | | | | |
| S5BD.....1,040,230 | YY5OIG.....65,961 | | | | |
| CE3BFZ.....1,015,350 | CQ2JD.....64,970 | | | | |
| | W2MF.....58,512 | | | | |
| 21 MHz | | | | | |
| PX5E.....2,207,000 | 3.7 MHz | | | | |
| 9A9A.....1,594,264 | PA0MIR.....507,899 | S58D.....1,040,230 | 7 MHz | | |
| OK1RI.....1,397,964 | | IQ2MG.....601,809 | LY5A.....197,965 | | |
| EA8EA.....1,342,440 | | CQ0AEV.....499,446 | OE5CWL.....75,144 | | |
| KM3T/1.....1,304,015 | | IK2PTR.....487,202 | YI1LT.....57,267 | | |
| CX5BW.....1,182,978 | 14 MHz | LZ1NG.....478,202 | | | |
| | | CT1AHU.....339,930 | | | |
| 14 MHz | | | | | |
| P40A.....1,882,925 | 3.7 MHz | | | | |
| GI0KOW.....1,266,660 | PA0MIR.....507,899 | 9A9A.....1,594,264 | 3.7 MHz | | |
| 4L6AM.....1,227,132 | | OK1RI.....1,397,964 | DL3LE.....85,946 | | |
| KP2A.....1,105,955 | | TM9R.....1,043,784 | OK1FFU.....73,416 | | |
| 9A5E.....1,066,164 | | S57O.....855,680 | IR5B.....63,640 | | |
| PT5A.....938,918 | 1.8 MHz | S51FB.....761,442 | S53F.....63,360 | | |
| | | G3TXF.....679,448 | YI2TE.....39,420 | | |
| 7 MHz | | | | | |
| EA8AH.....844,606 | 1.8 MHz | 9A9A.....1,594,264 | | | |
| F6CTT.....618,562 | YT1SG.....61,884 | OK1RI.....1,397,964 | | | |
| IR7G.....554,996 | S58J.....58,064 | TM9R.....1,043,784 | | | |
| OE6Z.....535,734 | | S57O.....855,680 | | | |
| YT7A.....487,736 | | S51FB.....761,442 | | | |
| LX7I.....466,610 | 3.7 MHz | G3TXF.....679,448 | | | |
| | | | | | |
| 7 MHz | | | | | |
| YT1AD.....230,845 | 14 MHz | 9A9A.....1,266,660 | 1.8 MHz | | |
| EA8BH.....194,820 | SP4XQN.....18,354 | 9A9E.....1,066,164 | YT1R.....33,600 | | |
| SP8BRQ.....175,616 | S06A.....16,500 | CQ8E.....902,922 | UT3SA.....31,000 | | |
| SN0VC.....167,292 | SP7JOA.....15,730 | SN7Q.....898,280 | 9A7Z.....24,708 | | |
| KT1V.....158,930 | | MTZ.....839,160 | SP4XQN.....18,354 | | |
| 4N1A.....157,183 | QRP, All Band | YT9X.....779,976 | SO6A.....16,500 | | |
| | | | SP7JOA.....15,730 | | |
| 1.8 MHz | | | | | |
| S57M.....88,825 | 7 MHz | QRP, All Band | | | |
| 4X4NJ.....78,440 | YI1AD.....230,845 | F5BEG.....618,562 | KM3T/1.....1,304,015 | | |
| T9/KG6KZK.....73,632 | SP8BRQ.....175,616 | IR7G.....554,996 | NG2X.....688,152 | | |
| PA3GCV.....62,050 | | OE6Z.....535,734 | N7DD.....680,340 | | |
| IU3X.....58,900 | | YI2TE.....39,420 | N3HBX.....554,510 | | |
| OZ3SK.....51,612 | Assisted, All Band | | WB9Z.....533,876 | | |
| | | | N8TO.....501,320 | | |
| Low Power | | | | | |
| All Band | | | | | |
| SU9NC.....6,812,478 | 3.7 MHz | | 21 MHz | | |
| CQ0T.....5,291,104 | YI1AD.....230,845 | F5BEG.....924,426 | KM3T/1.....1,304,015 | | |
| A45WD.....4,267,708 | SP8BRQ.....175,616 | IR3BL.....448,448 | NG2X.....688,152 | | |
| UA9AYA.....3,829,947 | | OE6Z.....535,734 | N7DD.....680,340 | | |
| PR2F.....3,464,818 | | YI2TE.....39,420 | N3HBX.....554,510 | | |
| EA8AJO.....2,952,600 | 1.8 MHz | | WB9Z.....533,876 | | |
| 9A2EU.....2,199,724 | YI1AD.....230,845 | | N8TO.....501,320 | | |
| JY4NE.....2,126,412 | SP8BRQ.....175,616 | | | | |
| G4BUO.....2,050,815 | | | | | |
| H7A.....1,936,322 | Assisted, All Band | | | | |
| | | | | | |
| 28 MHz | | | | | |
| HC1JQ.....903,886 | 7 MHz | | 21 MHz | | |
| CX1TA.....850,766 | YI1AD.....230,845 | F5BEG.....924,426 | K1R.....158,930 | | |
| LU5EML.....631,433 | SP8BRQ.....175,616 | IR3BL.....448,448 | AA1BU.....119,674 | | |
| V31LZ.....568,750 | | OE6Z.....535,734 | W6KW.....42,000 | | |
| PY2SBY.....565,586 | | YI2TE.....39,420 | K7ZZZ.....11,115 | | |
| LU4DLL.....526,932 | Multi-Op, Single Trans | | | | |
| | | | | | |
| 21 MHz | | | | | |
| XE1CQ.....691,680 | 1.8 MHz | | 7 MHz | | |
| | | | K4XS.....169,176 | | |
| | Multi-Op, Multi-Trans | | WQ2M.....98,000 | | |
| | | | N2GC.....55,620 | | |
| | | | N5JB.....55,144 | | |
| | | | N2WW/0.....49,788 | | |
| | | | KE4SCY.....45,885 | | |
| | | | | | |
| | Low Power | | 3.7 MHz | | |
| All Band | | | KT1V.....158,930 | | |
| | | | AA1BU.....119,674 | | |
| | | | W6KW.....42,000 | | |
| | | | K7ZZZ.....11,115 | | |
| | | | | | |
| | Multi-Op, Two Trans | | 1.8 MHz | | |
| | | | KT1V.....158,930 | | |
| | | | AA1BU.....119,674 | | |
| | | | W6KW.....42,000 | | |
| | | | K7ZZZ.....11,115 | | |
| | | | | | |
| | Multi-Op, Single Trans | | Multi-Op, Single Trans | | |
| | | | K8AZ.....5,334,459 | | |
| | | | K1IR.....4,569,953 | | |
| | | | N4PN.....4,258,124 | | |
| | | | N0NI.....3,563,010 | | |
| | | | W4WS.....3,538,161 | | |
| | | | AA2MF.....3,248,505 | | |
| | | | | | |
| | Multi-Op, Two Trans | | Multi-Op, Two Trans | | |
| | | | K4JA.....12,327,066 | | |
| | | | N3RS.....11,054,901 | | |
| | | | K1KI.....9,787,520 | | |
| | | | N2NT.....8,166,574 | | |
| | | | W4RM.....7,829,741 | | |
| | | | NT1Y.....7,004,981 | | |
| | | | | | |
| | Multi-Op, Multi-Trans | | Multi-Op, Multi-Trans | | |
| | | | KC1XX.....17,442,900 | | |
| | | | W3LPL.....14,897,584 | | |
| | | | K9NS.....13,202,948 | | |
| | | | K1TTT.....9,345,200 | | |
| | | | | | |
| | Multi-Op, Two Trans | | Multi-Op, Two Trans | | |
| | | | K4WI.....422,279 | | |
| | | | MD4K.....250,617 | | |
| | | | KC2LLM.....207,438 | | |
| | | | | | |
| | Multi-Op, Multi-Trans | | Multi-Op, Multi-Trans | | |
| | | | K2MFY.....200,245 | | |
| | | | N4MO.....174,230 | | |
| | | | W4LC.....163,457 | | |
| | | | W0AH.....160,020 | | |
| | | | K9IR.....149,898 | | |
| | | | NG3Q/8.....143,706 | | |

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 |
|---------|----------|-----------|-------------|-------------|-------------|-------------|
| D4B | 99/14/53 | 278/24/76 | 434/27/95 | 2733/38/141 | 1785/34/130 | 3627/32/139 |
| CN2R | 111/9/53 | 587/21/89 | 960/26/98 | 1993/31/131 | 1676/35/113 | 3355/30/114 |
| HC8N | 73/8/17 | 295/19/64 | 1048/30/103 | 1608/33/106 | 1834/31/120 | 3506/30/122 |
| PT0F | 29/8/16 | 150/19/58 | 616/28/95 | 2825/34/115 | 1309/31/113 | 2883/30/105 |
| 8P1A | 76/7/22 | 373/17/64 | 774/24/92 | 2045/31/107 | 2990/33/113 | 3205/27/108 |
| C4W | 128/8/41 | 366/14/64 | 666/24/88 | 1344/29/118 | 613/28/88 | 2679/30/114 |
| VY2ZM | 90/10/31 | 470/18/76 | 423/22/74 | 1157/28/104 | 2176/29/112 | 1343/22/99 |
| KHTX | 18/7/8 | 262/24/38 | 933/33/64 | 1074/35/90 | 1319/34/68 | 2557/32/63 |
| VC3AT | 112/6/8 | 262/15/50 | 489/21/65 | 1465/32/113 | 1825/30/112 | 819/27/97 |
| VE2IM | 22/4/3 | 247/15/48 | 300/18/65 | 1695/25/108 | 1938/25/105 | 856/20/82 |

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

| | | | | | | |
|-------|-----------|-----------|-------------|-------------|-------------|-------------|
| VP2E | 128/13/47 | 414/24/88 | 1162/32/130 | 2763/39/147 | 2990/39/151 | 4160/35/157 |
| FY5KE | 100/13/50 | 320/21/79 | 903/29/119 | 1201/35/138 | 2268/35/145 | 4276/33/145 |
| P3A | 163/10/61 | 923/20/83 | 1201/27/103 | 1835/36/131 | 1671/37/133 | 3417/37/145 |
| 3V8BB | 215/7/53 | 629/16/74 | 1008/24/100 | 1734/34/122 | 1801/37/135 | 2362/35/133 |
| IR4X | 69/8/58 | 259/18/77 | 1045/32/118 | 994/38/136 | 1867/38/145 | 1815/37/147 |
| VP5DX | 106/12/26 | 294/18/66 | 664/25/91 | 973/34/126 | 2274/30/116 | 1932/31/121 |

WORLD MULTI-OPERATOR TWO TRANSMITTER

| | | | | | | |
|-------|----------|------------|-------------|-------------|-------------|-------------|
| IH9P | 457/11/6 | 1024/21/88 | 1290/28/107 | 2265/37/139 | 3491/38/144 | 3304/36/144 |
| PJ2T | 146/8/23 | 498/19/63 | 1495/30/120 | 2443/36/130 | 4015/33/134 | 3732/31/132 |
| CT9L | 71/7/49 | 273/15/73 | 1119/28/105 | 2455/36/133 | 3227/36/135 | 3815/33/135 |
| VP5B | 214/9/22 | 1078/23/81 | 1431/28/85 | 2156/31/97 | 3968/33/118 | 3967/31/103 |
| V26N | 112/7/21 | 292/18/59 | 1059/22/95 | 2427/32/115 | 3431/33/129 | 3780/31/118 |
| KH0AA | 3/2/3 | 187/27/38 | 782/31/79 | 1218/37/131 | 2831/39/119 | 2568/36/118 |

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

| | | | | | | |
|-------|-----------|------------|-------------|-------------|-------------|-------------|
| C5Z | 69/11/39 | 690/22/91 | 1474/35/120 | 3637/37/146 | 3982/38/148 | 4178/34/129 |
| A61AJ | 309/8/55 | 1432/29/95 | 2107/38/137 | 2371/40/164 | 3100/39/153 | 3671/37/164 |
| C09K | 107/8/48 | 444/16/82 | 1117/27/101 | 3367/38/149 | 2999/38/143 | 3521/35/152 |
| YV4A | 129/9/29 | 339/19/59 | 921/29/105 | 2772/37/128 | 2581/31/117 | 3088/30/113 |
| KC1XX | 101/12/38 | 632/23/98 | 805/34/126 | 1551/39/161 | 2702/37/158 | 1846/32/142 |
| OT3A | 764/11/64 | 1374/20/82 | 1909/33/115 | 2411/40/152 | 2334/36/137 | 1566/32/133 |

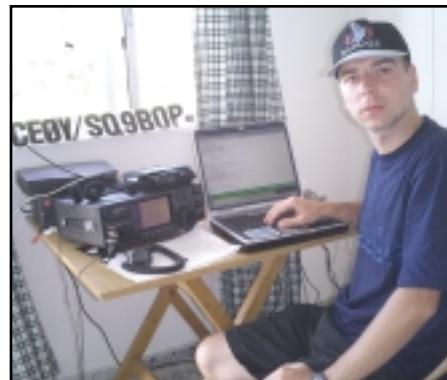
The top scorers from each continent were: North America N8IE, Africa EA8TX, Asia 5B4AGM, Japan JH7RTQ, Europe F5BEG, South America LU1VK, and Oceania KH6/K0CD.

Assisted

The Assisted category offers a way for DXers and contestants to contribute to their club scores. The secret to doing well in this category is to remember that QSOs are the name of the game. Try not to chase the band map too much, and you may end up with a better score than by QSYing each time a juicy multiplier flies by on the screen.

Place an excellent operator in an excellent location and the combination is tough to beat. Bernd, DL6FBL, as 9Y4ZC talked his way to the world #1 spot in the Assisted category. Perennially among the world's top scorers is John, W2GD; second place went to him. Third place went to D44TD. The top honor in Europe was won by TM7F. He was followed by Fabio, IT9GSF, and Igor, U77QF. In the U.S., W2RE walked away with a 1.3-million point lead to garner the top spot. Second place went to Bob, W4MYA, operating from central Virginia, while third place went to Noah, K2NG. Two Asian stations did very well; YM2ZF (ex-M0SDX) edged out RG9A. A long way from population centers, JR1AIB and VK4UC did outstanding jobs.

The top scorers from each continent were: North America KP3Z, Africa D44TD, Asia



Jacek, CE0Y/SQ9BOP, operated in the Single Op, Low Power, All Band category from Easter Island.

YM2ZF, Japan JR1AIB, Europe TM7F, South America 9Y4ZC, and Oceania VK4UC.

Multi-Single

The Multi-Single category is one of the most competitive. It entails assembling a team and months of planning. How do you set a new world MS record, a record that has stood for many years at around 23-million points? The first thought would be to plan to go to a three-point area. Yes, that makes sense. However, this time throw out that idea. The new champions and new world MS record holder is the

USA TOP SINGLE OPERATOR ALL BAND

| Station | 160 | 80 | 40 | 20 | 15 | 10 |
|---------|---------|-----------|-----------|-------------|-------------|-------------|
| KO2M/1 | 17/5/9 | 274/17/72 | 182/23/85 | 1880/33/114 | 1438/36/125 | 952/29/108 |
| K5ZD/1 | 18/6/9 | 209/17/72 | 283/23/7 | 834/32/107 | 1359/29/110 | 749/24/95 |
| W9RE | 18/6/7 | 111/15/55 | 227/25/82 | 587/34/108 | 860/32/119 | 1219/28/110 |
| N9RV | 19/7/11 | 116/14/47 | 341/23/83 | 666/31/105 | 959/30/101 | 1054/28/95 |
| K3ZO | 12/5/9 | 200/16/60 | 233/23/77 | 408/26/84 | 957/29/104 | 959/23/99 |
| K3CR | 15/5/7 | 95/14/50 | 206/23/76 | 537/30/100 | 748/30/100 | 1032/26/102 |
| K9NW | 19/7/10 | 72/16/42 | 235/20/72 | 424/31/101 | 773/28/110 | 931/29/106 |
| W3BGN | 26/7/13 | 127/18/60 | 138/23/69 | 609/29/101 | 661/26/101 | 610/29/107 |
| K5TR | 12/6/9 | 62/17/37 | 201/27/82 | 411/29/91 | 1104/32/105 | 902/31/104 |
| N2LT | 15/6/9 | 44/12/24 | 78/19/47 | 404/29/92 | 650/31/108 | 1092/30/115 |

USA MULTI-OPERATOR SINGLE TRANSMITTER

| | | | | | | |
|-------|----------|-----------|------------|------------|-------------|------------|
| K8AZ | 18/6/17 | 99/21/67 | 193/28/101 | 921/37/135 | 742/34/125 | 800/32/138 |
| K1IR | 14/7/13 | 263/17/76 | 254/27/98 | 490/34/117 | 1024/30/116 | 571/30/118 |
| N4PN | 24/9/22 | 44/16/42 | 175/29/96 | 532/34/112 | 901/34/122 | 862/31/129 |
| NØNI | 20/11/16 | 63/16/41 | 174/25/84 | 522/33/114 | 652/33/118 | 801/31/127 |
| W4WS | 9/4/8 | 67/12/38 | 175/25/85 | 432/33/126 | 803/33/120 | 759/31/125 |
| AA2MF | 24/6/10 | 120/16/53 | 191/24/88 | 326/28/106 | 876/29/113 | 661/29/115 |

USA MULTI-OPERATOR TWO TRANSMITTER

| | | | | | | |
|------|----------|-----------|------------|-------------|-------------|-------------|
| K4JA | 64/12/33 | 498/21/93 | 540/31/117 | 911/39/142 | 1780/37/145 | 1583/34/142 |
| N3RS | 47/9/21 | 329/19/85 | 580/31/115 | 993/38/140 | 1933/36/140 | 1394/32/137 |
| K1KI | 23/7/16 | 215/19/71 | 378/29/98 | 1112/37/131 | 1921/35/134 | 1301/32/137 |
| N2NT | 53/10/27 | 297/19/81 | 320/26/99 | 966/36/130 | 1361/33/126 | 1180/30/137 |
| W4RM | 24/7/10 | 260/18/72 | 380/29/101 | 869/37/123 | 1330/35/127 | 1283/31/141 |
| NT1Y | 42/11/22 | 321/21/82 | 277/28/95 | 796/36/123 | 1377/29/129 | 998/31/132 |

team who placed VP2E in 11,617 logs! Since you are allowed only one run station, that figures out to be about 229 QSOs/hr for 48 hrs! Wow! Congratulations to the team.

The top three stations all finished above 20-million points! The world second spot went to the FY5KE team. Finishing a very FB third was the P3A group. The top European score came from the team operating from Bologna, IR4X (ex-IQ4A). The next four MS stations all finished above 8-million points. HG6N was second, followed by DA0BCC, OK5W, and OM7M. In the U.S., Tom's crew at K8AZ operating from northeastern Ohio took the top spot. The fine score of K1IR took second, followed by the team from N4PN. Multi-single is a real party, and if you get a chance to join a team you will find it a real learning experience.

The top scorers from each continent were: North America VP2E, Africa 3V8BB, Asia P3A, Japan JA7YAA, Europe IR4X, South America FY5KE, and Oceania YB0ZDA.

Multi-Two

"It was a fun weekend and the Multi-Two operation just gets better"—D70LW. "Running part of our usual Multi-Multi field-day setup with less than half of the 2002 crew, the planned targets have been fully achieved (QSOs, mults, and final score). Local 'moscas a passito' wine, friendship, and acquired know-how have been again the keys of another great result"—IH9P. IH9P is the new world Multi-Two record holder, and what a fine job

EUROPE TOP SINGLE OPERATOR ALL BAND

| Station | 160 | 80 | 40 | 20 | 15 | 10 |
|---------|-----------|-----------|------------|-------------|-------------|-------------|
| M6T | 188/10/53 | 658/17/71 | 504/20/84 | 603/26/85 | 1710/34/109 | 828/25/103 |
| GW4BLE | 110/6/43 | 556/19/64 | 398/23/82 | 551/26/92 | 1362/26/91 | 1108/27/94 |
| ES5TV | 185/7/45 | 317/17/75 | 506/29/101 | 895/33/121 | 1077/34/122 | 745/34/130 |
| GM7V | 151/8/46 | 650/17/62 | 410/22/84 | 896/32/97 | 1318/29/101 | 624/26/101 |
| TM2Y | 67/6/41 | 330/17/62 | 224/21/83 | 425/28/96 | 873/32/99 | 1286/31/112 |
| S57DX | 106/6/37 | 555/16/65 | 512/26/90 | 783/32/111 | 1011/33/102 | 603/30/102 |
| DJ5MW | 126/7/42 | 547/12/64 | 138/18/65 | 438/24/90 | 1239/30/106 | 966/32/110 |
| EA4KD | 12/3/11 | 134/10/51 | 340/20/77 | 961/27/96 | 1005/32/95 | 1010/24/88 |
| OH0B | 140/7/48 | 245/13/56 | 542/26/77 | 1088/33/111 | 1195/29/94 | 444/25/91 |
| DJ4PT | 177/8/51 | 254/14/60 | 372/25/88 | 681/31/93 | 883/31/95 | 448/26/83 |

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

| | | | | | | |
|------|----------|-----------|-------------|-------------|-------------|-------------|
| IR4X | 69/8/58 | 259/18/77 | 1045/32/118 | 994/38/136 | 1867/38/145 | 1815/37/147 |
| HG1S | 112/9/56 | 464/17/79 | 898/30/119 | 879/35/129 | 1581/37/139 | 1325/34/146 |
| OK5W | 97/8/52 | 441/17/76 | 875/30/113 | 959/38/143 | 1992/38/144 | 556/33/138 |
| OM7M | 183/8/58 | 675/19/85 | 739/32/116 | 1208/38/129 | 1486/37/153 | 684/35/143 |
| OE2S | 191/7/53 | 675/18/79 | 580/28/110 | 792/37/125 | 1244/38/142 | 1463/35/147 |
| SY8A | 170/9/54 | 662/14/74 | 1170/29/112 | 1078/35/125 | 1725/37/127 | 1563/36/128 |

EUROPE MULTI-OPERATOR TWO TRANSMITTER

| | | | | | | |
|--------|-----------|------------|-------------|-------------|-------------|-------------|
| 9A7A | 351/8/57 | 946/17/77 | 961/30/113 | 1891/39/143 | 1779/39/140 | 2083/37/150 |
| HG6N | 522/11/62 | 1007/19/79 | 853/29/120 | 1412/36/132 | 2157/39/138 | 1469/34/133 |
| DA0BCC | 297/8/57 | 672/19/81 | 940/32/115 | 1280/38/132 | 1929/38/147 | 1510/35/146 |
| RU1A | 177/9/56 | 923/27/100 | 1172/32/121 | 2078/39/145 | 2177/38/141 | 836/33/128 |
| MD4K | 624/11/61 | 969/16/75 | 1021/23/99 | 2254/37/135 | 2499/38/134 | 792/30/127 |
| OH1F | 231/8/50 | 555/17/73 | 595/32/111 | 2026/39/139 | 1450/37/134 | 561/32/122 |

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

| | | | | | | |
|------------|-----------|------------|-------------|-------------|-------------|-------------|
| OT3A | 764/11/64 | 1374/20/82 | 1909/33/115 | 2411/40/152 | 2334/36/137 | 1566/32/133 |
| DF0HQ | 947/12/65 | 1483/22/94 | 1670/32/114 | 2474/40/162 | 2021/39/162 | 1479/37/157 |
| LZ9W | 539/9/57 | 912/19/79 | 1512/30/113 | 1680/39/142 | 2089/36/140 | 1245/36/142 |
| RW2F | 407/9/60 | 794/18/78 | 1074/29/115 | 1700/39/136 | 2110/35/140 | 776/35/136 |
| HB0/HB9AON | 694/7/56 | 1402/15/75 | 1306/20/96 | 1939/31/119 | 1425/27/108 | 1202/25/104 |
| IS0/DL3EW | 256/9/57 | 729/15/69 | 739/22/80 | 2048/33/123 | 1561/34/118 | 2066/34/127 |

they did. Second place went to the contesting consortium at PJ2T. Facing south and west on Curacao, this seasoned team put PJ on the map. A great job was done by the CT9L team led by the Rhein-Ruhr DX Association. Europe's top score came from 9A7A, the Radio Club Varazdin Contest Team. Second place went to HG6N, the Salgottarjani Varosi RadioKlub. Here in the U.S., Paul's crew at K4JA reprised their win from 2002. After carefully constructing a FB station in Tidewater, Virginia, K4JA's team walked away with the U.S. Multi-Two top score and a new record. Second place went to N3RS, Sig's fine team in the Philadelphia area. Third place went to a Yankee Clipper Contest Club station, K1KI.

The top scorers from each continent were: North America VP5B, Africa IH9P, Asia UP5G, Japan JR1ZTT, Europe 9A7A, South America PJ2T, and Oceania KH0AA.

Multi-Multi

The C5Z crew arrived at their location and prepared to set up verticals on the beach. The only problem was that the Gambian government had decided to remake the beach. Getting around the problem required very long coaxial cables, but all the work paid off. The C5Z gang took home the coveted Multi-Multi crown. They were followed by Ali, A61AJ's fine crew from Dubai. They say that 16% of the world's cranes are in Dubai; one was used to put up antennas at A61AJ. In third place was CQ9K. This all-CT3 crew did an outstanding job! Breaking into the top world six was the team at KC1XX. They felt the effect of the aurora, but not enough to dent their great multiplier total. Second place in the U.S. went to Frank, W3LPL's crew. Located in the rolling hills of central Maryland, his gang used the eight towers holding up big antennas to their best advantage. For third place you have to go much farther west to the home of the Mount Frank Contesters. There you will find K9NS. They sure do get out.

Introducing new hams to contesting and gathering together a large party is what OT3A was all about. With 50 operators, they must have had the largest crew. They took the top Europe spot. You can check-

TOP SCORES IN VERY ACTIVE ZONES

| | | | | | |
|---------------|-------------|----------------|------------|-----------------|-----------|
| Zone 3 | VO1AU | 5,514,435 | SN8F | 2,202,860 | |
| K7RL | 1,999,830 | K3ZO | 4,240,200 | *9A2EU | 2,199,724 |
| K5RR/7 | 1,658,435 | K3CR | 4,021,509 | YL6W | 2,061,720 |
| W6PH | 1,236,690 | W3BGN | 3,456,607 | Zone 16 | |
| WA7LT | 932,340 | N2LT | 3,245,274 | RK4FD | 2,853,785 |
| *N6MU | 838,134 | K1ZR | 2,922,624 | *UA4FER | 1,476,366 |
| *K8IA/7 | 826,117 | AA1K/3 | 2,508,504 | RJ1Z | 1,320,304 |
| K7RI | 562,424 | Zone 14 | | RD4M | 998,800 |
| *WN6K | 521,094 | M6T | 5,518,331 | WR3QW | 995,687 |
| WR6M | 514,324 | GW4BLE | 5,356,955 | RN3ZC | 874,923 |
| K6LRN | 469,299 | *CQ0T | 5,291,104 | RD3A | 769,698 |
| Zone 4 | | GM7V | 4,948,370 | RK3BA | 711,383 |
| VC3AT | 6,898,752 | TM2Y | 4,376,532 | RZ4FA | 675,200 |
| W9RE | 4,872,366 | DJ5MW | 4,118,400 | *RZ3DW | 558,832 |
| N9RV | 4,868,525 | EA4KD | 3,850,674 | | |
| K9NW | 3,611,608 | DJ4PT | 3,712,885 | Zone 25 | |
| K5TR | 3,337,350 | EI8IR | 3,325,350 | JH4UYB | 3,866,265 |
| VE3PN | 2,062,482 | GM0F | 2,442,032 | JA6GCE | 2,231,840 |
| VE3SY | 1,702,148 | Zone 15 | | JA7NVF | 1,424,130 |
| K0SR | 1,694,607 | ES5TV | 5,049,000 | JM1XCW | 1,309,308 |
| N4TZ/9 | 1,581,888 | S57DX | 4,344,600 | JR3NZC | 720,405 |
| *N5AW | 1,551,930 | JA2FSM | 550,240 | OH0B | 3,807,620 |
| K5ZD/1 | 5,630,769 | JA1TMG | 461,121 | ZA1A | 3,097,575 |
| | | | | *JE6EKC/3 | 417,294 |
| | | | | JH1UAJ | 373,065 |
| | | | | LY2MW | 2,390,256 |
| | | | | JA4YHX | 280,438 |
| | | | | YL2KO | 2,252,024 |



José, YV6BTF, made a nice showing from Venezuela, Single Op, High Power, All Band.

out their station at <<http://www.on7lr.be>>. Second place went to the Ilmenau Contest Club, DF0HQ (<http://www.tuilmenau.de/~df0hq/index.html>). Third place in Europe went to the LZ9W contest team.

The top scorers from each continent were: North America KC1XX, Africa C5Z, Asia A61AJ, Japan JA3YBK, Europe OT3A, South America YV4A, and Oceania DX1DBT.

Team Contesting

Get five contestants together from anywhere, form a team, and you can enter the Team Contesting category. This year's SSB winner was Contest Club Finland's Team Suana. They led the pack of 18 entries. Here is the lineup:

1. CCF Team Suana (9,255,886 pts.): OH6NIO, OH0Z (OH4JFN), OH2RA, OH0B (OH2UA), 5W0UU (OH3UU).
2. WWYC Ragchewers (8,956,668 pts.): CQ0T, G0MTN, MJ2Z, NR3X, SM3W.
3. YCCC Phone Alpha (7,589,523 pts.): W2WB, N1SV, W1RZF, KS1J, W1CTN.
4. WWYC Lids on Purpose (6,610,773 pts.): 9A7P, I3MLU, L44DX, OT3R, SP1DID.
5. YCCC Phone Bravo (5,788,668 pts.): W1ZT, K1RV, K1HT, W1KT, W1TE.
6. YCCC Phone Charlie (5,226,702 pts.): K1LD, WA1Z, WO1N, KG1E, W1DAD.
7. Minnesota Wireless Assn. Team #1 (4,391,422 pts.): LA/N0HJZ, N0FP, K0KX, AC0W, KH6/WA2HF1.
8. Aztecas Contesting Revolutions (3,868,220 pts.): XE1CQ, XE1CT, XE1KK, XE2AUB, XE2AC.
9. YCCC Phone Delta (3,812,189 pts.): W1EBI, N1UR, W1JQ, KT1V, W1EL.



Andrew, OZ1XJ, and Jan, OZ1ADL, Multi-Single at OZ5E.

10. Team Australis (3,589,836 pts.): VK2IA, VK9XD (VK2CZ).
11. CCF Team Terva (3,580,497 pts.): EA8EA (OH2MM), EA8AH (OH1RY), EA8BH (OH2BH), OH8L (OH8LQ), OH0V (OH6LI).
12. CCF Team Sibelius (1,545,699 pts.): OH4RH, OH6OS.
13. WWYC Showing Off (1,174,026 pts.): KE9R, OE8CIQ, OE8YDQ, LZ5AZ.
14. CCF Team Sisu (1,031,118 pts.): OH2LU, OH3WW, OH5DX, OH6KXL, OH6QU.
15. CCF Team Finlandia (671,565 pts.): OH5B (OH5BM), OH4A (OH9MM).
16. WWYC Singles (629,131 pts.): LX7I, LY7Z, PY8AZT.
17. YCCC Phone Echo (582,408 pts.): K1VU, K1NQ, KB1JCT.
18. Minnesota Wireless Assn. Team #2 (494,405 pts.): WB0TRA, N0KK, K0AD, WA2MNO, WG0M.

Records

On the CQ web page (www.cq-amateur-radio.com) and the cqww.com web page are the All-Time Records for each continent and country. Setting a new record is difficult and challenging. Take a look at your country's records and choose one you can shoot for. Congratulations to the following stations that set new records.

World: KP4KE (Q3.7), IH9P (M2), VP2E (MS)
Africa: IH9P (M2)
Asia: BA4RF (A7), RA0CG (A14), P3A (MS)
Europe: CQ0T (CT1ILT) (LA), YU1NR (Q14)
Japan: JH7LRS (A14), JR1ZTT (M2)
North America: VP2E (MS)
Oceania: KH6WW (W8QZA) (Q14), KH0AA (M2)
South America: HC1/NP3D (L7), 9Y4ZC (AA), PY2WC (A7), PJ2T (M2)
U.S.: K4JA (M2)

Special Mention

For many, the CQ WW sure brings out the desire to travel. Thanks to the many DXpeditions and the efforts of hundreds of contestants, the contest experience is made more interesting. Here are some calls you probably worked: C6/VA3SWG, 8P1A, V31LZ, VY2ZM, ZF2AH, TO5A, PJ7/OK1BNS, PJ7/OK1NS, VP5/W9RN, KP2/K2ZZ, KP2A, EA8EA, EA8AH, EA8BH, D4B, CN2R, 9J2KC, YI3DX, 9N7MV, 9N7ET, BW4/UA3VCS, UK/JE7RJZ, OH0B, OH0V, ZA1A, T9/KG6KZK, SV9/PA9NMH, YM0T, J43J, GU5W, MJ2Z, MW/VE6WQ, 9M6A, 9M8YY, 9M6OO, 4W2A, 4W4W, V73AZ, ZL/W3SE, KH0A, YJ0ONM, 5W0UU, DU7/G4DUM, VK9XD, P40A, CE0Y/SQ9BO, CE0Y/

SP9PT, CE0Y/SP9EV, HC1/NP3D, HC8N, KH6/K0CD, KH6WW, HC1/EW1AR, PJ7/AH8DX, IH9YIT, 4U1ITU, OH0Z, P40W, 9Y4ZC, VP2E, TI5A, HR6/VE3BW, VP5DX, EA8ZS, CQ3T, 3V8BB, V55V, P3A, J49Z, JW5E, V63B, ZK1SSB, PJ4T, V26B, VP9I, TI8M, V47DM, 5J0X, VP5B, IH9P, MD4K, AH2R, KH0AA, PJ2T, PZ5A, V26DX, VB2C, TI5N, V47KP, VP5T, C5Z, CQ9K, 5I3A, A61AJ, HB0/HB9AON, and IS0/DL3EW.

Comments

As the opening comments indicated, the 2003 CQ WW SSB was a real roller coaster ride. The conditions were much better than expected and the solar flux really did hit 298! We received about 4100 contest logs, about 4000 of which were electronic! Your effort to submit an electronic log allows for a fairer adjudication process. Thanks to all the contestants around the world who sent in a log. Please send in your log, no matter how small.

Submitting an electronic log is easy. Send your SSB log and summary to <ssb@cqww.com> (CW logs to <cw@cqww.com>). Please send your log in Cabrillo format. The Cabrillo format is now a standard submission with CT, TR, NA SuperDuper, and WriteLog. Remember to name your file with your call with .cbr extension—e.g., C5Z.cbr. If you did everything okay, you will get back an acknowledgement. If there was something wrong, you will get a message telling you what to do to correct the error. The messages are presented in numerous languages. If you don't see your native language and you would be willing to help out by translating for your fellow countrymen, please send an e-mail to <questions@cqww.com> for more information.

Several problems have arisen with the use of packet. First there is using packet to help find QSOs, mostly multipliers. We have addressed this problem by checking all SSB entries for unclaimed packet use. Again we can report that very few entrants made the mistake of not claiming the correct category. There were eight entrants who were reclassified. The second problem is the use of packet to self-spot, which is against the rules. Self-spotting can be broken down into an entrant doing it himself with his call, or a participant trying to hide the fact that he is doing it by using other callsigns. The first case is almost always due to ignorance of the rules. We notify those stations of the offence. The second

case is a deliberate attempt to hide the spot by the entrant or by someone associated with the entrant. Fortunately, the internet is very exact and the ISP address of every spot can be traced. We found several stations who even used Silent Key calls (not club calls) as spotting calls. There is nothing wrong with coming across a station and spotting it, but self-spotting is against the rules. The CQ WW has few requirements: write down the callsign of the station to which you are talking, claim the correct category, and do not self-spot. It's not so hard. Everyone should enter the contest to have fun, meet friends, perhaps work some new ones, and compete fairly.

Thanks

Thanks to the CQ WW log checkers who validated the winners and provided insight into many contesting topics. The 2003 crew included: K1DG, K3WW, K3ZO, KR2Q, N2AA, N2NC, N3ED, N6ZZ, N9RV, W3ZZ, K1AR, KM3T, KT3Y, N5TJ, N5NJ, K6AW, and N8BJQ. Our DX advisors were very helpful in offering advice, providing information, and sorting out potential problems: CT1BOH, DL6RAI, EA3DU, F6BEE, G3SXW, I2UIY, JE1CKA, OH2KI, OH2MM, OK2FD, PY5EG, S50A, UA9BA, VA7RR, VE3EJ, and E21EIC.

A special thanks to Dick, N6AA, and Larry, N6TW, who once again spent countless hours to make the CQ WW database the best in contesting. The CQ WW uses the software developed by Tree, N6TR. Additional software provided by WT4I was used. The results were proofread by VE3EJ. Translations of the rules into Spanish, Japanese, German, Turkish, and French were done by EA3DU, JE1CKA, DL6RAI, TA3J, and F6BEE, respectively. The CQ WW records are maintained by John, N2NC, and K3EST. Phil, N6ZZ, put in lots of hours making sure the database was as clean as possible. Thanks also to John, K1AR, for his advice and hard work to make the CQ WW so successful.

Congratulations to all the winners! To participate and have fun is what contesting is all about! CU in the 2004 contest.

73, Bob, K3EST

DX QRM

Conditions were excellent the first night, but the second night there was very heavy atmospheric noise. Many QSOs were missed because of this. . . . **4X4NJ**. Thanks to Yuri, XE1UN, the 6D9X contest group is born. Contesting is alive and well in Mexico! . . . **6D9X**. Output power's only lonely 10w. MNI TNXs 4 pickin' me out! CU on my love, 10m. . . . **7K2PBB**. What a run on the first night, but soon the solar flare was in full effect here in 8P. Congrats to PX5E, who never missed a beat all weekend. I actually had to check whether my antennas were still in the air a couple of times—that's how bad it got on 15 at times on Sunday. . . . **8P2K**. Multi-Single our first attempt. Very good score for portable setup. No fatal breakdowns with equipment. . . . **9A0R**. I could enjoy this contest in Zambia. There was a power failure during the contest. . . .

9J2KC. I enjoyed the contest in Nepal. . . . **9N7ET**. Many thanks to my old school for hosting me again. I enjoyed this one greatly. . . . **C4W**. Condx were great to Europe. Lost 1.5 hour when electricity went QRT. . . . **CN2R**. Very good propagation on 10m, but too bad in the others. Thanks for the beautiful pile-ups. . . . **CO8DM**. I am 17 years old and I enjoyed a lot this contest. . . . **CQ0T**. Good DX conditions on Saturday. On Sunday evening at 17:30 all bands closed. Before contest weekend watched on TV about intense solar explosion. Was an effect of it. . . . **CX9AU**. Condx in contest changing very quickly. My thanks to everyone who called me and get with me on another bands. Special thanks to N6TJ, CT1BOH. . . . **D4B**. It was a fun weekend and the Multi-Two operation gets better. . . . **D70LW**. DP1POL is located at Neumayer sta-



The TI8M ops (l. to r.): Back row TI2KAC, K4ZJ, N5VI, K4WPM; front W4KTR, W4BD, and K4UN with Oso.

tion, a German polar research base in Antarctica. I am a member of the 23rd wintering team 2003, and have been working on the base since December 2002. It was good fun to hear "thanks for the mult" every now and then. Unfortunately, some stations were not using current country files, which led to a few lengthy discussions about the validity of my CQ Zone. Yes, I know that Germany is in zone 14, but this is not where I was. . . . **DP1POL**. I used mobile antenna at the door and power 100w. Thanks to all QSOs and thanks to CQ for support contest! . . . **E21EIC**. Thanks to "Propagation" column in CQ magazine. NW7US was right with his predictions. We had glorious openings on 10m! . . . **EA3ALV**.

Our first experience as Multi-Single (two operators). Too many work on Friday afternoon (we found the antenna cables cut) and we paid the first night and the whole Saturday because we were really tired, but the final score encourage us for the next CQWW. . . . **ED3SSB**. I operated from a motor home at the tip of the ring of Kerry, Ireland, one of the most beautiful places in the world. . . . **EI2VNO**. Last time was 31 years ago in 1972 with call 9C9ES, mode phone 20m. . . . **EP3PTT**. No doubt: CW is far easier for small guns! . . . **F5SGI**. For sure, if every mosquito puncture counts as QSO, we may have set a new world record! . . . **FY5KE**. Flux at 298—wow! Great conditions: amazing signals on 10, low noise on LF. Went very auroral Sunday evening on 40. . . . **G3BJ**. Once again CQWW SSB beat the propagation pundits! The sheer volume of signals on the band during CQWW must warm up the ionosphere, providing better than expected conditions (on 15m at least). . . . **G3TXF**. Conditions weren't good on Saturday, though late afternoon on 10m I was able to get a semi-decent run going. Got a bit fed up with my performance on the first day, so took the luxury of 4 hours sleep from 2320Z. Sunday was better; I could run 10m much earlier. At times when I could only just hear the W callers, they seemed to hear my 100w easily. First day's QSO total was 1052 and second day 1075, showing how much better Sunday really was. . . . **G4BUO**. Variable conditions at times leading to some excellent propagation into NA on Saturday afternoon. Increasing auroral activity on Sunday affected the length and range of the propagation. . . . **G4F**. Hard going at the start with the solar flare killing some bands. Enjoyed the contest once again this year but very tiring! **GM2T**. Thanks especially to GU0SUP, GU4YOX, and GU6EFB for their hospitality. Unbelievably high solar flux (298) led to great conditions and the solar flares held off until the day after the contest. CQWW wins again! . . . **GU5W**. My first CQWW from Italy. Took one



Dave, VO1AU, relaxing after his Single Op, High Power, All Band effort.

FT-990 and a 6-band vertical out of a container on Saturday and had fun competing for a DXCC. In 14 hours I nearly made it, working 98 countries. . . . **I79A3A**.

First time in Multi-Two. Running part of our usual Multi-Multi field-day setup and less than half of the 2002's crew, the planned targets have been fully achieved. Local "moscato passito" wine, friendship, and acquired know how have been again the keys of another great result. . . . **IH9P**. Mr. Murphy called me. He told he will visit me during the CW contest! Nice contest in SO2R setup with homemade automatic switching. No amplifier to tune for mults' radio. Big antenna work till Friday. For me the contest period is always more than 48 hours! It lasts a full week! . . . **IT9GSF**. Congratulations for organization in CQWW. In 2002 for me the first participation in CQWW and in 2003 it's the second, but I'm a novice always. Good propagation on 15 and 10, bad in other bands. . . . **I27EVZ**. My first CQWW in more than 17 years. I came back on the air this year. Times have changed, but the excitement of CQWW contest has not. See you next year! . . .

JA1BPA. It was nice to be back on Guam contesting again after 8 years off island. . . . **KG6DX**. Forty meters single band, non-serious. This is the only antenna I have still up. All others are down for shipment to the Kenai. . . . **KL7RA**. In loving memory of Pablo de Cesare, LU3VAH (SK), 1963-2003, my son. . . . **LU1VK**. My first contest. I am 16 years old. . . . **LU8EOT**. Need a Beverage for the next time. More radials made the vertical array working better. LX7I did it better again. I'll try it again next year. . . . **LX1KC**. WWYC team singles. First time operating SOSB in the CQWW. I missed some countries and zones but nice contest! . . . **LX7I**. Yip! Very hot contest. Lovely! I'm waiting next year! Thanks to all folks for QSOs and hope to contact them again! . . . **LZ5AZ**. Ten meters was amazing considering the two x-flares during the contest! Enjoyed it certainly, apart from the pile-up gotaways! . . . **M0DDT**.

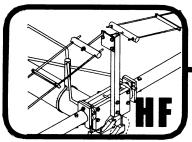
After five minutes with the multi station headphones, my 7-year-old son wanted to get a novice license so he could say "Mike One Papa," too. . . . **M1P**. My first entry in CQWW. Only licensed since March 2003. Yaesu FT-817 (5 watts), Cushcraft R6000 vertical + G5RV. Delighted with the score (and a KH0) running just 5w. . . . **M3RCV**. Great fun as always. David, M3DKG, is only 9 years old. I think he is now hooked on contesting. . . . **M4T (GØVQR)**. Great fun as usual. Started late since was still struggling out Beverage, which was bad planning but good choice since it helped work some mults later. . . . **M6T**. Interesting propagation on 10m. The gamble to do single band at fall of the cycle paid off. Always enjoy the meeting of old pals. . . . **MUØFAL**. My first contest, as I have only been licensed a few weeks. Thanks to the sponsors, and hope to be back next year. . . . **MU3GSY**. Propagation surprisingly good and enjoyed my effort; was never going to be a full-time one. This year some exceptionally strong signals from all parts of the world on all bands. . . . **MW5EPA**. My first contest. I am trapped! . . . **OA4BQE**. Nice condx most of the contest. Almost broke our record, but then the solar flare stopped everything. Still great fun. . . . **OE2S**. Low power on 40 SSB in the CQWW is sure not an easy task. Nevertheless I am very power after entering last year in the high power category. . . . **OE5CWL**. Our first try in the Multi-Two class in CQWW contest. Hard with three ops only but a lot of fun! Aurora, our faithful friend, was again present, even in visible form on Friday night. . . . **OH1F**. Two new countries on SSB. Conditions better than usual in the last few weeks. Looking forward to the CW part. I'm mostly working telegraphy. DX and WPX contests are the best competitions. . . . **OK1DVK**. To be beaten by "9a1a" (9a9a) is not a shame. Nice contest, had fun as always.

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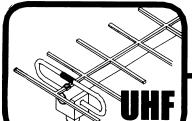
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Thanks to all who called in. . . . **OK1RI**. Was great to be present again. Sometimes strange propagation. Second day heard V73AZ on 20 with nice signals. 10 minutes nobody called so wonder if everybody have zone 31 in the log. The new one-letter call in PA did give some questions (hi) **PA1V**. Only operated on 20 and 40. Lost our 20m beam and tower during build up, so only the vertical and dipole remained. Propagation was poor due to the previous solar eruptions but still a good contest for us. . . . **PA6Z**. Many thanks to PZ1AP, Uncle Arnie, for his help and hospitality. Don't you love solar storms? **PZ5JR**.

Condx good on short bands. No good on low. Mostly tired due to antenna work. How do big performance ops do it? Chewing pills? US not loud. Aurora on Saturday. High power didn't get my sigs to overseas. Considering go QRP for the rest of my life. What the heck! I'll sleep all the time until the CW part next month! **SM6E**. We all enjoyed the contest. We were unlucky because the antennas broke the Friday and all weekend tried to repair. The amplifier never worked also and the cluster worked next day of the contest. But we did the best score in the club history and we train some new operators. . . . **SV1AFA**. Fine conditions on Sunday, but might have been better on Saturday. Best DX was 5i3A on 10m. No JA's at all, very unusual, and very few from AS at all. Great 40m opening to North and South America on Sunday morning. . . . **TF3W**. Our team members were from five countries. One-half of the crew was on the 2002 T15N team. Members represented several major contest clubs. All enjoyed meeting old and making new friends. . . . **T15N**. CQWW as field day operation under tents with minus 5 degrees C. . . . **TM7Z**. Dreams do come true, but sometimes it takes a lifelong effort. . . . **UA9AYA**. First ever SOAB HF effort. Glad the sun cooperated; conditions were excellent. Thanks to Kwaj club for use of the station. . . . **V73AZ**. Despite the experts' claim of pending propagation doom, a great weekend for condx on all bands. Higher bands stayed open longer and opened sooner each morning. As usual Don's wife Barb and my XYL Marg fed us well and a great time was had by all. . . . **VE3SY**. Deciding to do single band 10m with conditions that were atrocious, and then having two of the longest running electrical storms run through my area coupled with a 3-1/2 hour blackout contributed to the low score. However, taking these factors into account my overall score was not too bad and the main thing is, I had fun. . . . **VK4WPX**. I guess it is good for the soul to go from seven towers to three ground-mounted verticals! **VK7GN**. Great fun from a rarer DX spot and surprised many with a larger station than the seven other ops on the island for the CQWW. But even so, missing zones 2, 13, 34, 36, and 40 was disappointing. . . . **VK9XD**. Newfoundland is a great place for radio. Marconi was right! **VO1AU**. Biggest thrill almost working A61AJ on six bands. Missed only on 160m, where I heard them, but they could not hear me. 10m condx on Saturday were far better than expected. . . . **VY2ZM**. Team contesting Aztecas Contesting Revolutions running low power this time, yielded almost 400k points, less vs. last year effort (HP). . . . **XE2AC**. The greatest phone contest, five-star contest! **YC2ECG**. A portable contest DXpedition from Kefken Island AS-159. Antennas are two Windoms and one 10m vertical only. Portable simple antenna operation is my hobby, but my goal is a contest station in the future. . . . **YM0T(TA2RC)**. Saturday much better than Sunday. There was some wall for me for stations from east, south, and southwest, hi. Anyhow, had a nice fun again. . . . **Z36W**. Pleased to activate ZA on SSB. Due to very bad cold I could not operate more than 36 hrs. . . . **ZA1A**. This was yet again a great contest. Pity conditions just didn't play the game! **ZS5T**. Thanks to my friend Sergio, PP5JR. . . . **ZY5G**.

USA QRM

So many stations, so little time. . . . **AA0CY/3**. My first CQWW DX contest. Gave me lots of ideas on how to improve the station! Sunspots helped, too. . . . **AB4EJ**. Surprise—the sunspots are back! Who would think that! **AE9B/0**. Went single band this year due to antenna limitations. Plenty of fun until the radio blackout happened. . . . **K0IL**. Amazing results for just 5w. I enjoyed sniping some good DX from the big pile-ups! **K1DX**. A great workout for the new station. What X-class flare? Thanks to my team of great ops, and congrats to all! **K1IR**. Flares! Flares! We don't need no stinkin flares! Highlight: Getting packet spot telling me to call my mom (NH7FY). Unfortunately the band (10m) had already closed to there. We did work her later on 15m. . . . **K1TTT**. Conditions were great on 15m! That major flare right before the contest seemed to seed the ionosphere with DX-friendly electrons! **K2MFY**. As always, the best part was meeting so many friends on the air. My thanks to the great people all over the world who make the contest happen. **K2RED**. A young contesting team: 13-year-old Sara, K3OOO, and 17-year-old Trevor, W7TDC. . . . **K3OOO**. After 12 years QRT, I wanted to remember how hard contesting was. 40m SSB from Kansas during a solar storm was just the way to do it! **K3PA/0**. Thought conditions were going to be really poor so decided on low power. Bad move; 10m was hopping! Saturday morning was the best to Europe and Sunday evening the best to Japan. Didn't work a single SM, OZ, or LA. Didn't get KL7 until Sunday evening. Very few QSOs from Russia either! Thanks everyone. . . . **K4WI**. Very

strange conditions from 48N. First day no JA's except for a few via skewed path. Same with Europe, no openings to speak of. Second day had a very small opening to Europe and good run to Japan in the afternoon. **K7OX**. The local newspaper had a picture of the sun/sunspots on the front page Saturday morning. Despite the ominous predictions, I found the conditions to be better than last year. **K8IR**. Bands in super good condx considering geomagnetic storm. Worked everyone I could hear and there were many to hear. **K8RT**. Fun contest! Reasonably good band conditions here in Wisconsin and had a decent run of contacts on 10 and 15. Best conditions in quite a while up here, though aurora probably croaked all of my transpolar contact opportunities. **K9FWH**. Interesting conditions from the West Coast. Low bands were non-existent from here. My best effort in many years. **K9JF/7**. Sure ran the propagation gamut from unbelievably great to unbelievably poor! That's ham radio. **K9MWM/0**.

Great propagation in spite of the "giant solar flare." Looking forward to next contest. This could be addictive. Peace. **KA2BZS**. We were blessed with wonderful support from Christine, Sabrina, Cassandra, and Anika, capped by a post-contest Chinese food feast catered by KD1EA. ADIC had to cancel due to illness (leaving more food for John). K1EA stepped in and did a pretty good imitation of a phone op for a guy who only hears vowels. First time at XX for Mr. CQWW, and we hope he will return. **KC1XX**. This was my first CQWW contest. I am new to contesting. I guess you could say I'm the new kid on the block, and I'm here to stay. Hopefully I will be able to improve my score next year. Thanks, everyone for coming back to my contest calls. Will look forward to working all of you again next year. Little gun with big hopes. **KC2HLI**. In my pickup truck parked in my driveway, using RS HTX-10 25w and homebrew mobile antenna. **K17AB/5**. Hey! It ain't much but I at least found my microphone! **KJ9C**. Lucky to work anybody with so many weak signals until of course 2300 on Sunday on 10 meters South Americans were suddenly S9. I strongly recommend using a pre-amp on the RX. Without it everyone for most of contest was in the noise. With it, loud and clear audio even with S-meter at S3. Geo storm hit here! **K57T**. The tough conditions on 80m just made me work harder. I always "felt" loud, but I also felt deaf despite the Beverages. I'm sure I missed a lot of callers with the low signal levels. **KT1V**. The bands were in fairly good shape until the "blackout" on Sunday afternoon. I never even heard a hint of Oceania or Asia until late Sunday. Several JA's were heard on 10m but never worked. I had no idea that there were so many stations in Argentina and Brazil. The EM1 (Antarctica) station was heard many times while swishing around the bands. He was CQing away with no pile-up. Weird and very loud in Minnesota. Great fun. **N0FP**. 160 phone QRP—Just do it. **N2AA**. Not bad conditions, though very heavy QSB into Europe! Had terrible power-line noise to my west and never worked much in Asia except for some JA's. For once nothing broke! **N3HBX**. We expected really bad conditions. Fortunately, the solar flux index was well above 200 and this overcame the high Kan A indices. Thanks to all my hardworking team members for a FB effort. **N3RS**. Solar flares really messed things up on Sunday. Bands just went straight downhill. Missed the JA's that are usually there in the evenings. **N4SEA/8**. It was the most fun with 100 watts and a dipole I've had in many years! **N4SRT**.

Prop almost too good! 15 open nearly worldwide most of the time. Great fun. **N5ID**. Condx were much better than expected, but this area was shut out from Asia for much of test. First JA was after 0130Z Saturday. Ten meters saved the day; I managed to run well in EU, even working Scandinavia and Russia along with a few Middle East stations on Sunday. The solar flare around 1740Z Sunday wiped out the bands here; I took a break. By 22Z 10m was opening well to the Pacific and by 23Z to a few JA's. **N8II**. My first low power operation. What a rush. A learning experience from western Colorado. **NT4TT/0**. Under 21 years old; I am 9 years old. **W1MAT**. I couldn't get on the air until 11:00 PM EDT Friday, and when I turned on the radio on 15 meters, I immediately heard (and worked) C5Z in Gambia. Great way to start a contest! **W2VU**. Fifty years of DX contesting. Thanks for all the QSOs. **W3AP**. Solar flux above 250! What's up with that? **W4QA**. Another great WW! The great blackout of 2003 will have two meanings, the summer AC outage, and the Sunday afternoon of WW. The RF blackout on Sunday was the strangest thing we ever saw. All three high bands went to S0 in seconds at 1751Z. After confirming the towers were still standing, we realized what had happened and at the worst possible time. We continue to improve our champagne station on a cheap beer budget. **W4WS**. Interesting conditions. Solar disruptions on Sunday morning local time shut HF bands down like somebody had put a pin in my coax, but they recovered with a vengeance in short order. **W5ZL**. First CQWW in 40 years as a ham and the thrill of ham radio is still there! **WB2RHM/4**. Wow, what a ride! Solar flares followed by great activities and then interrupted by "RF blackouts." **WN6K**.

(Continued on page 102)

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| UNITED STATES | |
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| K5ZD/1 | * 5,630,769 3450 131 470 (OP: N5ZR) |
| K1ZR | * 2,922,624 2261 109 407 |
| K2PJM | * 1,929,120 204 98 340 |
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| N2UZK | 68,850 178 47 103 |
| K2MKW | * 71,651 204 33 104 |
| K2LXK | * 71,651 204 33 104 |
| K2PJM | * 67,922 193 55 113 |
| N2LK | 65,255 177 47 108 |
| KG1E | * 1,785,852 1483 97 355 |
| K5MA/1 | * 1,740,256 1414 102 354 |
| W1AO | * 1,734,600 1330 100 390 |
| K1KD | * 1,577,840 1309 99 341 |
| K1ZJ | * 1,159,657 1099 89 293 |
| W1WEF | * 1,132,750 1140 99 295 |
| N1TR | * 972,770 980 103 339 |
| W1RY | * 948,703 871 93 340 |
| N1BCL | * 629,694 714 87 264 |
| AK1N | * 594,363 645 94 247 |
| K1BD | * 486,072 592 83 215 |
| AA1ON | * 484,623 663 64 215 |
| K1CN | * 450,585 588 78 259 |
| K1NO | * 230,144 422 65 191 |
| K1KU | * 176,880 354 48 153 |
| K1YA | * 157,454 331 52 135 |
| NTGS | * 134,106 261 58 159 |
| K1BV | * 96,013 291 38 112 |
| KK1L | * 94,317 238 38 111 |
| N8VXQ/1 | * 94,288 240 48 111 |
| K1AZD | * 72,086 207 40 49 |
| KA1VMG | * 60,676 188 44 110 |
| WC1M | * 37,050 115 38 92 |
| K1EU | * 26,676 98 37 77 |
| KM3T/1 | * 1,304,015 2759 37 142 |
| WA1JMP | * 236,612 733 31 105 |
| K1RU | 14 * 559,568 1364 36 130 |
| K1OS | * 112,770 337 28 98 |
| W1OA | * 351 10 4 9 |
| K1TV | * 158,930 535 24 91 |
| AA1BU | * 119,674 430 19 87 |
| N1SV | A 1,458,500 1177 101 399 |
| W1TE | * 1,405,829 1169 93 344 |
| N1UR | * 1,399,680 1234 95 337 |
| *KS1J | * 1,281,336 1189 90 316 |
| W1CTN | * 1,235,728 1048 102 355 |
| W1KT | * 1,212,825 980 105 366 |
| W1WQ | * 1,052,374 202 87 307 |
| *K1HT | * 993,487 889 95 312 |
| *WA1Z | * 941,528 910 84 307 |
| *N1DD | * 890,724 898 86 287 |
| *N1PQA | * 831,000 843 83 292 |
| *WS1A | * 796,146 832 75 297 |
| *W1EQ | * 676,359 755 76 261 |
| *WG1Z | * 483,120 565 78 252 |
| *N1LW | * 446,976 582 67 221 |
| *KX1X | * 443,966 625 68 210 |
| *W1ZS | * 435,232 621 55 213 |
| *W1EL | * 433,944 569 67 220 |
| *WS1L | * 366,444 569 50 202 |
| *WA1EHK | * 341,296 491 58 199 |
| *N1PA | * 326,555 494 64 205 |
| *W1DAD | * 232,055 361 64 181 |
| *KA1ZEX | * 221,096 397 53 179 |
| *KA1EKR | * 170,040 356 48 147 |
| *K1VU | * 118,300 261 45 137 |
| *W1AW | * 109,620 256 51 138 (OP: N1ND) |
| *KB1LN | * 92,856 223 42 117 |
| *N1HTS | * 71,622 205 35 103 |
| *KY1B | * 65,512 184 43 109 |
| *N1DS | * 63,360 197 52 124 |
| *KB1FWN | * 44,196 200 33 83 |
| *N1VI | * 38,509 147 27 70 |
| *K1NSD | * 34,164 139 33 84 |
| *W1LZ | * 32,235 120 27 78 |
| *WA1TS | * 26,117 113 29 62 |
| *K1GV | * 25,652 105 30 76 |
| *N1OXV | * 14,832 112 38 65 |
| *W1OH | * 14,707 77 24 53 |
| *KJ1J | * 8,640 59 19 41 |
| *KA1WC | * 8,514 53 25 41 |
| *AE1D | * 576 15 8 10 |
| *K1QE | * 10 3 2 1 |
| *W1MAT | 28 * 1,014 54 15 29 |
| *K1VSJ | 21 * 30,532 134 22 81 |
| *W1CRK | * 1,564 44 10 24 |
| *NS1Z | 14 5,170 48 11 36 |
| N2LT | A 3,245,274 2283 127 395 |
| N2MR | * 1,185,080 1003 94 336 |
| N2NL | * 980,352 883 98 316 |
| W200 | * 771,784 995 84 278 |
| W2L2U | * 697,760 772 102 290 |
| K2SX | * 656,373 789 70 261 |
| KC2HLI | * 505,161 626 79 254 |
| K2TW | * 476,720 633 65 230 |
| K2NV | * 431,964 569 65 218 |
| K3D0DV | * 254,464 472 45 179 |
| K2BM | * 240,436 412 69 208 |
| WR2V | * 220,932 387 48 180 |
| K2AF | * 125,060 261 51 134 |
| W1GD/2 | * 113,274 233 58 145 |
| K2UT | * 99,750 201 55 135 |
| W2FU1 | * 61,739 177 47 109 |
| WA2BNK | * 60,094 180 51 110 |
| WB2JEP | * 59,136 179 37 95 |
| N2SQW | * 46,189 143 50 93 |
| KD2NE | * 32,643 135 36 81 |
| N2OOR | * 16,830 111 25 65 |
| K2P0N | * 5,546 44 20 39 |
| WA4TII | A 1,650,584 1297 111 361 |
| N4POX | * 1,579,790 1198 107 371 |
| NG2X | 21 * 688,152 1568 34 125 |
| KR2Q | * 175,140 594 20 85 |
| N2GM | * 151,855 499 23 98 |
| NA2X | * 95,348 284 25 96 |
| N2BZP | * 2,360 40 12 28 |
| WA20NW | 14 296,904 808 28 111 |
| W02M | 7 98,000 300 26 99 |
| N2GC | * 55,620 201 19 84 |
| WB2ABD | * 27,600 131 19 73 |
| *WB2ZTH | A 911,070 742 114 363 |
| *W2RDS | * 795,872 841 77 275 |
| *WB2DVU | * 711,843 736 81 282 |
| K2CS | * 560,068 653 78 248 |
| *WA2QK | * 476,748 586 67 256 |
| N2MUN | * 339,020 555 48 182 |
| K2Z | * 307,256 495 58 180 |
| N5MM/2 | * 190,730 412 66 183 |
| *KA2ZK | * 189,600 367 58 106 |
| K2VNM | * 180,004 355 42 157 |
| *WA1FXK/2 | * 145,122 293 54 147 |
| K2VZ | * 110,189 250 41 122 |
| K2PJM | * 99,994 227 44 129 |
| AA2TM | * 99,994 227 44 129 |
| *N2MTG | * 99,912 237 46 135 |
| *KA2VKV | * 98,303 264 45 106 |
| N5ZP | * 88,234 207 44 133 |
| *WA1FXX/2 | * 87,122 171 55 194 |
| K2VZ | * 86,054 204 33 111 |
| K2VNM | * 85,004 204 33 111 |
| *WA1FXX/2 | * 84,122 293 54 147 |
| K2PJM | * 83,004 204 33 111 |
| *WA1FXX/2 | * 82,004 204 33 111 |
| K2VZ | * 81,004 204 33 111 |
| K2VNM | * 80,004 204 33 111 |
| *WA1FXX/2 | * 79,004 204 33 111 |
| K2VZ | * 78,004 204 33 111 |
| K2VNM | * 77,004 204 33 111 |
| *WA1FXX/2 | * 76,004 204 33 111 |
| K2VZ | * 75,004 204 33 111 |
| K2VNM | * 74,004 204 33 111 |
| *WA1FXX/2 | * 73,004 204 33 111 |
| K2VZ | * 72,004 204 33 111 |
| K2VNM | * 71,004 204 33 111 |
| *WA1FXX/2 | * 70,004 204 33 111 |
| K2VZ | * 69,004 204 33 111 |
| K2VNM | * 68,004 204 33 111 |
| *WA1FXX/2 | * 67,004 204 33 111 |
| K2VZ | * 66,004 204 33 111 |
| K2VNM | * 65,004 204 33 111 |
| *WA1FXX/2 | * 64,004 204 33 111 |
| K2VZ | * 63,004 204 33 111 |
| K2VNM | * 62,004 204 33 111 |
| *WA1FXX/2 | * 61,004 204 33 111 |
| K2VZ | * 60,004 204 33 111 |
| K2VNM | * 59,004 204 33 111 |
| *WA1FXX/2 | * 58,004 204 33 111 |
| K2VZ | * 57,004 204 33 111 |
| K2VNM | * 56,004 204 33 111 |
| *WA1FXX/2 | * 55,004 204 33 111 |
| K2VZ | * 54,004 204 33 111 |
| K2VNM | * 53,004 204 33 111 |
| *WA1FXX/2 | * 52,004 204 33 111 |
| K2VZ | * 51,004 204 33 111 |
| K2VNM | * 50,004 204 33 111 |
| *WA1FXX/2 | * 49,004 204 33 111 |
| K2VZ | * 48,004 204 33 111 |
| K2VNM | * 47,004 204 33 111 |
| *WA1FXX/2 | * 46,004 204 33 111 |
| K2VZ | * 45,004 204 33 111 |
| K2VNM | * 44,004 204 33 111 |
| *WA1FXX/2 | * 43,004 204 33 111 |
| K2VZ | * 42,004 204 33 111 |
| K2VNM | * 41,004 204 33 111 |
| *WA1FXX/2 | * 40,004 204 33 111 |
| K2VZ | * 39,004 204 33 111 |
| K2VNM | * 38,004 204 33 111 |
| *WA1FXX/2 | * 37,004 204 33 111 |
| K2VZ | * 36,004 204 33 111 |
| K2VNM | * 35,004 204 33 111 |
| *WA1FXX/2 | * 34,004 204 33 111 |
| K2VZ | * 33,004 204 33 111 |
| K2VNM | * 32,004 204 33 111 |
| *WA1FXX/2 | * 31,004 204 33 111 |
| K2VZ | * 30,004 204 33 111 |
| K2VNM | * 29,004 204 33 111 |
| *WA1FXX/2 | * 28,004 204 33 111 |
| K2VZ | * 27,004 204 33 111 |
| K2VNM | * 26,004 204 33 111 |
| *WA1FXX/2 | * 25,004 204 33 111 |
| K2VZ | * 24,004 204 33 111 |
| K2VNM | * 23,004 204 33 111 |
| *WA1FXX/2 | * 22,004 204 33 111 |
| K2VZ | * 21,004 204 33 111 |
| K2VNM | * 20,004 204 33 111 |
| *WA1FXX/2 | * 19,004 204 33 111 |
| K2VZ | * 18,004 204 33 111 |
| K2VNM | * 17,004 204 33 111 |
| *WA1FXX/2 | * 16,004 204 33 111 |
| K2VZ | * 15,004 204 33 111 |
| K2VNM | * 14,004 204 33 111 |
| *WA1FXX/2 | * 13,004 204 33 111 |
| K2VZ | * 12,004 204 33 111 |
| K2VNM | * 11,004 204 33 111 |
| *WA1FXX/2 | * 10,004 204 33 111 |
| K2VZ | * 9,004 204 33 111 |
| K2VNM | * 8,004 204 33 111 |
| *WA1FXX/2 | * 7,004 204 33 111 |
| K2VZ | * 6,004 204 33 111 |
| K2VNM | * 5,004 204 33 111 |
| *WA1FXX/2 | * 4,004 204 33 111 |
| K2VZ | * 3,004 204 33 111 |
| K2VNM | * 2,004 204 33 111 |
| *WA1FXX/2 | * 1,004 204 33 111 |
| K2VZ | * 0,004 204 33 111 |
| K2VNM | * -1,004 204 33 111 |
| *WA1FXX/2 | * -2,004 204 33 111 |
| K2VZ | * -3,004 204 33 111 |
| K2VNM | * -4,004 204 33 111 |
| *WA1FXX/2 | * -5,004 204 33 111 |
| K2VZ | * -6,004 204 33 111 |
| K2VNM | * -7,004 204 33 111 |
| *WA1FXX/2 | * -8,004 204 33 111 |
| K2VZ | * -9,004 204 33 111 |
| K2VNM | * -10,004 204 33 111 |
| *WA1FXX/2 | * -11,004 204 33 111 |
| K2VZ | * -12,004 204 33 111 |
| K2VNM | * -13,004 204 33 111 |
| *WA1FXX/2 | * -14,004 204 33 111 |
| K2VZ | * -15,004 204 33 111 |
| K2VNM | * -16,004 204 33 111 |
| *WA1FXX/2 | * -17,004 204 33 111 |
| K2VZ | * -18,004 204 33 111 |
| K2VNM | * -19,004 204 33 111 |
| *WA1FXX/2 | * -20,004 204 33 111 |
| K2VZ | * -21,004 204 33 111 |
| K2VNM | * -22,004 204 33 111 |
| *WA1FXX/2 | * -23,004 204 33 111 |
| K2VZ | * -24,004 204 33 111 |
| K2VNM | * -25,004 204 33 111 |
| *WA1FXX/2 | * -26,004 204 33 111 |
| K2VZ | * -27,004 204 33 111 |
| K2VNM | * -28,004 204 33 111 |
| *WA1FXX/2 | * -29,004 204 33 111 |
| K2VZ | * -30,004 204 33 111 |
| K2VNM | * -31,004 204 33 111 |
| *WA1FXX/2 | * -32,004 204 33 111 |
| K2VZ | * -33,004 204 33 111 |
| K2VNM | * -34,004 204 33 111 |
| *WA1FXX/2 | * -35,004 204 33 111 |
| K2VZ | * -36,004 204 33 111 |
| K2VNM | * -37,004 204 33 111 |
| *WA1FXX/2 | * -38,004 204 33 111 |
| K2VZ | * -39,004 204 33 111 |
| K2VNM | * -40,004 204 33 111 |
| *WA1FXX/2 | * -41,004 204 33 111 |
| K2VZ | * -42,004 204 33 111 |
| K2VNM | * -43,004 204 33 111 |
| *WA1FXX/2 | * -44,004 204 33 111 |
| K2VZ | * -45,004 204 33 111 |
| K2VNM | * -46,004 204 33 111 |
| *WA1FXX/2 | * -47,004 204 33 111 |
| K2VZ | * -48,004 204 33 111 |
| K2VNM | * -49,004 204 33 111 |
| *WA1FXX/2 | * -50,004 204 33 111 |
| K2VZ | * -51,004 204 33 111 |
| K2VNM | * -52,004 204 33 111 |
| *WA1FXX/2 | * -53,004 204 33 111 |
| K2VZ | * -54,004 204 33 111 |
| K2VNM | * -55,004 204 33 111 |
| *WA1FXX/2 | * -56,004 204 33 111 |
| K2VZ | * -57,004 204 33 111 |
| K2VNM | * -58,004 204 33 111 |
| *WA1FXX/2 | * -59,004 204 33 111 |
| K2VZ | * -60,004 204 33 111 |
| K2VNM | * -61,004 204 33 111 |
| *WA1FXX/2 | * -62,004 204 33 111 |
| K2VZ | * -63,004 204 33 111 |
| K2VNM | * -64,004 204 33 111 |
| *WA1FXX/2 | * -65,004 204 33 111 |
| K2VZ | * -66,004 204 33 111 |
| K2VNM | * -67,004 204 33 111 |
| *WA1FXX/2 | * -68,004 204 33 111 |
| K2VZ | * -69,004 204 33 111 |
| K2VNM | * -70,004 204 33 111 |
| *WA1FXX/2 | * -71,004 204 33 111 |
| K2VZ | * -72,004 204 33 111 |
| K2VNM | * -73,004 204 33 111 |
| *WA1FXX/2 | * -74,004 204 33 111 |
| K2VZ | * -75,004 204 33 111 |
| K2VNM | * -76,004 204 33 111 |
| *WA1FXX/2 | * -77,004 204 33 111 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-----|-----------|------|-----|-----|-------------|----|---------|------|-----|-----|-------------|-------|-----------|------|------|-----|---------|---------|---------|--------|-----|-----|---------|-------|---------|---------|-----|-----|-----|
| JH2BTM | * | 15,196 | 110 | 21 | 37 | UN7TO | * | 73,832 | 402 | 23 | 65 | E1USA | 21 | 81,427 | 500 | 25 | 82 | *OK1MMN | * | 11,895 | 190 | 11 | 50 | RJU3DM | * | 319,284 | 537 | 80 | 282 | |
| JA2VOF | 3.7 | 72 | 6 | 4 | 5 | UP4L | * | 43,977 | 176 | 25 | 82 | EW8MW | 14 | 297,182 | 1682 | 31 | 108 | *OK1CAZ | * | 11,484 | 165 | 13 | 53 | RJX3DCN | * | 298,320 | 610 | 76 | 263 | |
| *JA2GHP | A | 56,956 | 227 | 43 | 73 | *UP6P | A | 870,585 | 1079 | 101 | 280 | (OP: UN7NP) | EW6AF | 130 | 930 | 1010 | 22 | 82 | *OK1LTD | 7 | 51,168 | 425 | 78 | 78 | RK3DH | * | 260,480 | 446 | 82 | 288 |
| *JA2KPW | * | 55,970 | 191 | 58 | 87 | *UN8GU | * | 490,152 | 654 | 85 | 227 | EW8WA | 3.7 | 2,640 | 85 | 6 | 27 | *UA3QO | * | 255,040 | 677 | 61 | 259 | UA3QO | * | 255,040 | 677 | 61 | 259 | |
| *JA2VZL | * | 15,900 | 101 | 32 | 43 | (OP: UN6P) | * | 30,366 | 209 | 14 | 49 | EUEU6 | 1.8 | 47,124 | 684 | 9 | 59 | *OK1DTC | * | 37,179 | 380 | 16 | 65 | RA3AUW | * | 249,745 | 711 | 50 | 201 | |
| *JR2NTC | * | 4,335 | 44 | 22 | 29 | *UN8GU | * | 78,840 | 214 | 41 | 105 | *EV1GA | A | 385,344 | 984 | 64 | 224 | *OK1HMP | * | 11,505 | 176 | 9 | 53 | RJ3LQ | * | 243,916 | 622 | 62 | 227 | |
| *JO1RUR/2 | * | 2,640 | 31 | 18 | 22 | *UO1D | * | 186,560 | 1084 | 23 | 87 | *EV1CQ | * | 261,040 | 687 | 57 | 194 | *OK1FFU | 3.7 | 73,416 | 923 | 14 | 62 | RW1AI | * | 241,264 | 598 | 58 | 214 | |
| *J12VLM | * | 2,304 | 32 | 15 | 17 | (OP: UN7DA) | * | 21,052 | 174 | 17 | 59 | *EV8EU | * | 22,644 | 179 | 23 | 79 | *OK1FP5 | * | 45,440 | 616 | 9 | 62 | UA4FRL | * | 212,265 | 579 | 58 | 209 | |
| *JA2KCY | * | 36 | 6 | 6 | 6 | *UN7JJ | 21 | 186,560 | 1084 | 23 | 87 | *EV6MM | * | 6,460 | 71 | 20 | 48 | *R23AED | * | 190,620 | 594 | 55 | 215 | R23AED | * | 190,620 | 594 | 55 | 215 | |
| *JG2SON | 28 | 95,216 | 416 | 31 | 57 | *UN7JJ | * | 123,876 | 541 | 25 | 83 | *EV6DX | 28 | 21,052 | 174 | 17 | 59 | DENMARK | * | 190,512 | 671 | 51 | 192 | UA3FDX | * | 190,512 | 671 | 51 | 192 | |
| *JG2TKH | * | 10,885 | 112 | 16 | 19 | *UO7DG | * | 30,366 | 209 | 14 | 49 | *EV1ABF | * | 11,289 | 144 | 13 | 40 | *RU3WR | * | 187,068 | 561 | 56 | 206 | RJU3WR | * | 187,068 | 561 | 56 | 206 | |
| *JO2EAN/2 | * | 74 | 5 | 3 | 5 | *UN7SW | 7 | 46,814 | 231 | 20 | 69 | *EV6M | 21 | 2,688 | 73 | 8 | 24 | *U1BA | * | 176,101 | 597 | 43 | 186 | RA4AOR | * | 147,528 | 514 | 47 | 169 | |
| *J01AHZ/2 | 21 | 40,824 | 212 | 26 | 58 | KOREA | * | 79,056 | 256 | 53 | 109 | *EU2MM | 14 | 149,864 | 830 | 30 | 101 | *R3EC | * | 143,752 | 478 | 51 | 187 | RW3FY | * | 143,752 | 478 | 51 | 187 | |
| *JA2KKA | * | 22,440 | 139 | 21 | 47 | HL9DX | A | 360,876 | 729 | 75 | 163 | *EU4EU | 3.7 | 6,027 | 163 | 6 | 35 | *RU3DN | * | 128,895 | 491 | 40 | 155 | RA4FRL | * | 212,265 | 579 | 58 | 209 | |
| *JA2JTN | * | 14,280 | 122 | 22 | 34 | HL5UOJ | * | 147,987 | 429 | 80 | 135 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *R23AED | * | 120,840 | 532 | 57 | 215 | RJ3ECP | * | 190,620 | 594 | 55 | 215 | |
| *JF2EKI | * | 760 | 25 | 9 | 11 | HL3GOB | 14 | 2,400 | 29 | 15 | 55 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RU6XN | * | 118,668 | 417 | 41 | 133 | RW3V3 | * | 118,668 | 417 | 41 | 133 | |
| *JG2REJ | 14 | 459 | 12 | 7 | 9 | *HL2FDW | A | 298,511 | 736 | 86 | 153 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RW6AH | * | 117,914 | 390 | 50 | 164 | RW6AH | * | 117,914 | 390 | 50 | 164 | |
| *JA2DLM | 7 | 7,682 | 80 | 22 | 33 | *HL9TY | * | 37,072 | 190 | 43 | 69 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RW3V1 | * | 115,628 | 488 | 38 | 173 | RW3V1 | * | 115,628 | 488 | 38 | 173 | |
| *JE20TM | 3.7 | 1,012 | 20 | 11 | 12 | *DS2QJS | * | 79,056 | 256 | 53 | 109 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RZ6HN | * | 112,210 | 484 | 43 | 186 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| JR3NZC | A | 720,405 | 893 | 104 | 211 | *DSSKJR | * | 10,000 | 124 | 26 | 32 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3RHA | * | 97,858 | 329 | 52 | 174 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| JAS3TD | 21 | 30,441 | 178 | 28 | 56 | *HL5AP | 21 | 124,122 | 151 | 17 | 39 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3RAW | * | 90,775 | 275 | 47 | 175 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| JH3DMO | * | 22,388 | 119 | 21 | 38 | KUWAIT | * | 131,300 | 120 | 12 | 45 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3LEO | * | 85,848 | 353 | 47 | 149 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| JS3CTO | 14 | 337,875 | 830 | 35 | 124 | 9K2HN | A | 41,496 | 274 | 12 | 45 | M6T | A | 5,518,331 | 4491 | 132 | 505 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| JA3ORD | * | 5,898 | 53 | 15 | 85 | KYRGYZSTAN | * | 19,130 | 457 | 52 | 158 | M6T | A | 5,518,331 | 4491 | 132 | 505 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| JR3UIC | 7 | 4,368 | 47 | 12 | 27 | EX80 | A | 203,490 | 474 | 97 | 188 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JE6KC3 | A | 417,294 | 604 | 105 | 186 | *EX7ML | 21 | 108,200 | 495 | 27 | 73 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| JR3RYI | * | 300,888 | 566 | 75 | 141 | MONGOLIA | * | 131,300 | 120 | 12 | 45 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JA3AOP | * | 215,600 | 404 | 85 | 141 | MACAO | * | 131,300 | 120 | 12 | 45 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| JK3GWT | * | 121,002 | 278 | 71 | 130 | MACAO | * | 131,300 | 120 | 12 | 45 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JA3UWB | * | 9,808 | 289 | 55 | 111 | *XX9AU | 21 | 9,880 | 165 | 16 | 36 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JA3LEZ | * | 53,502 | 188 | 44 | 67 | *XX9AU | 21 | 9,880 | 165 | 16 | 36 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JH30XM | * | 40,356 | 190 | 47 | 71 | *JT1BV | A | 802,674 | 1613 | 113 | 229 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| JAA3QOS | * | 14,213 | 85 | 28 | 33 | *JT1BV | A | 802,674 | 1613 | 113 | 229 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JA3PYH | * | 2,072 | 33 | 11 | 19 | *JT1CH | 21 | 38,332 | 449 | 21 | 53 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JF3BF5 | 21 | 188,748 | 586 | 35 | 91 | *JT1CH | * | 131,300 | 120 | 12 | 45 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| JN3DRB | * | 94,615 | 305 | 33 | 94 | *NE7MV | A | 178,285 | 844 | 63 | 118 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *J3JDRB | * | 30,499 | 143 | 45 | 61 | *NE7MV | A | 178,285 | 844 | 63 | 118 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JA4AQR | * | 30,195 | 119 | 37 | 62 | *NE7MV | A | 178,285 | 844 | 63 | 118 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JA4EHT | 28 | 11,407 | 100 | 21 | 40 | *NE7MV | A | 178,285 | 844 | 63 | 118 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JA4DVG | 21 | 39,578 | 203 | 23 | 54 | *NE7MV | A | 178,285 | 844 | 63 | 118 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| *JA4WUZ | 3.7 | 1,995 | 37 | 15 | 20 | *NE7MV | A | 178,285 | 844 | 63 | 118 | *OT3R | A | 1,446,640 | 1861 | 88 | 340 | *RA3XAU | * | 84,180 | 317 | 39 | 144 | RW3FH | * | 112,210 | 484 | 43 | 186 | |
| J6GCS | A | 1,231,840 | 1950 | 132 | 332 | *NE7MV | A | 178,285 | 844 | 63 | 118 | *OT3R | A | 1,510,072 | 1772 | 109 | 407 | *RA3XAU | * | 71,322 | 232 | 57 | 84 | RJU3DM | * | 319,284 | 537 | 80 | 282 | |
| JJ6WYS | 14 | 1,824 | 22 | 14 | 18 | *NE7MV | A | 178,285 | 844 | 63 | 118 | *OT3R | A | 1,510,072 | 1772 | 109 | 407 | *RA3XAU | * | 71,322 | 232 | 57 | 84 | RJU3DM | * | 319,284 | 537 | 80 | 282 | |
| *JA6SRB | A | 149,984 | 280 | 94 | 138 | *NE7MV | A | 178,285 | 844 | 63 | 118 | *OT3R | A | 1,510,072 | 1772 | 109 | 407 | *RA3XAU | * | 71,322 | 232 | 57 | 84 | RJU3DM | * | 319,284 | 537 | 80 | 282 | |
| *JA6GIM | * | 21,996 | 98 | 39 | 55 | *NE7MV | A | 178,285 | 844 | 63 | 118 | *OT3R | A | 1,510,072 | 1772 | 109 | 407 | *RA3XAU | * | 71,322 | 232 | 57 | 84 | RJU3DM | * | 319,284 | 537 | 80 | 282 | |
| *JA6EFT | * | 23,885</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|-----------|------|-----|-----|----------|---|---------|-----|----|-----|----------|----|-----------|------|-----|-----|-------------|-----|-----------|------|--------|-----|--------------|-----------|-----------|------|-----|--------------|--|
| *OH2BPA | " | 96,170 | 309 | 57 | 186 | *DL1CWJ | " | 161,500 | 420 | 56 | 194 | EISGM | 7 | 146,475 | 1041 | 20 | 85 | *IR5B | 3.7 | 63,640 | 780 | 14 | 72 | L43S | A | 742,500 | 1214 | 77 | 319 | |
| *OH2MO | " | 76,320 | 309 | 131 | 44 | *DL6NZG | " | 123,750 | 368 | 48 | 150 | E16JK | " | 9,079 | 159 | 9 | 51 | *IZ1DGG | 1.8 | 2,553 | 84 | 5 | 32 | *LA5LJA | " | 397,072 | 789 | 69 | 263 | |
| *OH3AD | " | 10,780 | 140 | 23 | 75 | *DL9SX | " | 120,904 | 328 | 56 | 182 | *E16HB | A | 134,260 | 418 | 52 | 144 | JERSEY | | | | | | *LB8AE | " | 39,059 | 246 | 28 | 111 | |
| " | (OP: OH3HY) | | | | | *DL8ZAJ | " | 120,669 | 347 | 47 | 172 | *E15QB | " | 9,079 | 113 | 20 | 55 | MJJZ | 21 | 266,684 | 1307 | 24 | 92 | *LA6HJA | " | 34,000 | 236 | 20 | 107 | |
| *OH6KXL | " | 5,959 | 79 | 14 | 45 | *DH2PL | " | 112,784 | 323 | 55 | 157 | *E19ES | " | 6,666 | 90 | 17 | 49 | | | | | | | *LA0QJA | " | 19,897 | 155 | 26 | 75 | |
| *OH3WS | 28 | 15,664 | 97 | 19 | 69 | *DF2FM | " | 111,155 | 309 | 52 | 163 | *E12VNO | 21 | 64,974 | 576 | 20 | 71 | *GJ7DNI | A | 36,256 | 163 | 43 | 133 | *LB9LE | " | 14,994 | 131 | 27 | 71 | |
| *OH6RC | " | 5,519 | 59 | 15 | 41 | *DL1DBR | " | 108,932 | 285 | 63 | 163 | | | | | | | | | | | *LA9TY | " | 13,440 | 105 | 31 | 81 | | | |
| *OH3R | " | 120 | 6 | 4 | 6 | *DB8NI | " | 108,864 | 386 | 52 | 191 | | | | | | | | | | | *LA5JX | 28 | 24,509 | 160 | 20 | 74 | | | |
| *OH5ZZ | 14 | 73,323 | 672 | 23 | 70 | *DJ1WQ | " | 108,145 | 380 | 42 | 173 | | | | | | | | | | | *LA2U | " | 16,259 | 104 | 16 | 55 | | | |
| FRANCE | | | | | | *DL1FZJ | " | 105,984 | 232 | 62 | 145 | *GD4WQ | A | 20,979 | 141 | 34 | 77 | | | | | | | *LA1YE | 14 | 32,725 | 371 | 15 | 62 | |
| TM2Y | A | 4,376,532 | 3205 | 135 | 493 | *DK5JM | " | 97,680 | 239 | 51 | 171 | II4A | A | 2,471,064 | 2678 | 115 | 341 | KALININGRAD | | | | | | *LA8WG | 7 | 5,323 | 126 | 7 | 42 | |
| F2JD | " | 1,843,450 | 2204 | 95 | 363 | *DH1DA | " | 96,084 | 302 | 50 | 154 | ITALY | | | | | | | | | | | | | | | | | | |
| F5MAM | " | 837,699 | 1625 | 69 | 240 | *DL5EB | " | 82,502 | 204 | 52 | 114 | IR4T | " | 1,621,590 | 1857 | 95 | 287 | LATVIA | | | | | | *POLAND | | | | | | |
| F6FYD | " | 717,514 | 1123 | 80 | 291 | *DL2MH | " | 79,120 | 277 | 45 | 127 | IR4T | " | 1,621,590 | 1857 | 95 | 287 | Y2K0 | A | 2,252,024 | 272 | 111 | 382 | SP9LJD | A | 2,923,570 | 2757 | 112 | 411 | |
| F5VH | " | 574,443 | 852 | 63 | 186 | *DM2AWM | " | 72,446 | 277 | 45 | 133 | IZBEFI | " | 1,158,928 | 1545 | 91 | 361 | Y16W | " | 2,061,720 | 234 | 112 | 428 | " | 2,202,860 | 2686 | 111 | 416 | (OP: SPBFHK) | |
| F5RAB | " | 555,373 | 838 | 74 | 285 | *DL8UVG | " | 67,645 | 268 | 42 | 121 | IZBEFI | " | 1,158,928 | 1545 | 91 | 361 | YL7A | 7 | 97,428 | 407 | 31 | 107 | (OP: YL2GM) | | | | | | |
| F5CQ | " | 248,240 | 643 | 61 | 229 | *DK5NA | " | 65,274 | 283 | 38 | 100 | IZ4CRE | " | 849,848 | 1436 | 77 | 251 | SP6LUV | " | 1,055,488 | 1317 | 105 | 329 | SP6IEQ | " | 769,717 | 1058 | 83 | 323 | |
| F5UTN | " | 162,162 | 390 | 57 | 132 | *DK4DS | " | 56,108 | 181 | 43 | 123 | IO2C | " | 356,384 | 775 | 72 | 224 | SP5GM | " | 212,628 | 463 | 63 | 219 | SP5GMM | " | 202,055 | 638 | 57 | 194 | |
| TM9R | 21 | 1,043,784 | 2949 | 30 | 133 | *DL6ATI | " | 54,080 | 241 | 37 | 123 | *Y2L2GTS | 28 | 28,210 | 190 | 22 | 69 | 32D2 | | | | | | (OP: SP2DNJ) | | | | | | |
| F6CTT | 7 | 618,562 | 2149 | 37 | 124 | *DL2LF | " | 53,582 | 200 | 42 | 104 | IR4B | " | 345,515 | 645 | 66 | 179 | SNR | " | 121,987 | 343 | 52 | 147 | (OP: SP2DNJ) | | | | | | |
| F5NBX | " | 39,193 | 356 | 17 | 60 | *DL4KJUG | " | 52,496 | 206 | 35 | 101 | IK2OII | " | 239,260 | 458 | 67 | 189 | LY2MW | A | 2,390,256 | 2420 | 131 | 463 | SP4HXV | " | 41,470 | 136 | 52 | 91 | |
| F6CWA | 1.8 | 5,355 | 118 | 5 | 40 | *DG8DBW | " | 52,221 | 186 | 40 | 129 | LY2MW | " | 1,983,036 | 2054 | 115 | 428 | SP4AVG | " | 23,540 | 160 | 31 | 79 | SP0KJJU | " | 9,322 | 109 | 22 | 57 | |
| *F6DZU | A | 1,588,074 | 2206 | 96 | 276 | *DG2MIC | " | 44,897 | 210 | 42 | 97 | 16FLD | " | 21,266 | 111 | 31 | 67 | SPBNR | 28 | 161,274 | 461 | 33 | 116 | (OP: SP9MDY) | | | | | | |
| *F8AAN | " | 743,046 | 1242 | 81 | 273 | *DL4ZBC | " | 43,216 | 241 | 35 | 111 | LY2EV | " | 1,983,036 | 2054 | 115 | 428 | SP4XV | " | 536,085 | 1927 | 38 | 133 | (OP: LY2GM) | | | | | | |
| *F6FTB | " | 694,707 | 1015 | 81 | 298 | *DL8UAT | " | 38,645 | 123 | 43 | 88 | IZ4DYO | " | 195,747 | 495 | 54 | 159 | LY2LW | " | 5,544 | 114 | 13 | 50 | SP5ENA | " | 95,739 | 296 | 32 | 109 | |
| *F6KZC | " | 641,918 | 118 | 79 | 307 | *DH6DAO | " | 37,386 | 112 | 50 | 84 | IK2AOO | " | 154,994 | 459 | 53 | 165 | SP4TEK | 21 | 372,307 | 1133 | 37 | 132 | SP4TKR | " | 11,770 | 133 | 37 | 132 | |
| *F5DRD | " | 550,712 | 1194 | 71 | 257 | *DL3DRN | " | 33,033 | 135 | 38 | 83 | IN3IZT | " | 13,130 | 96 | 30 | 71 | LY2DM | 21 | 132,923 | 637 | 27 | 92 | SPADEU | " | 265,200 | 921 | 34 | 116 | |
| *F5IN1 | " | 177,216 | 521 | 47 | 161 | *DL8SDI | " | 30,666 | 178 | 36 | 78 | IK8URC | " | 11,564 | 145 | 22 | 76 | LY2DW | 7 | 33,197 | 356 | 16 | 76 | SP4UWD | " | 230,378 | 175 | 31 | 96 | |
| *F5AXG | " | 148,526 | 438 | 46 | 160 | *DL4DRA | " | 25,953 | 164 | 37 | 86 | K02MG | 28 | 601,809 | 1480 | 36 | 123 | SN7Q | 14 | 898,280 | 3122 | 37 | 133 | (OP: SP7TQ) | | | | | | |
| *F5VHN | " | 137,800 | 321 | 50 | 155 | *DL2YET | " | 25,516 | 176 | 31 | 100 | IK2YSA | " | 1,047,000 | 1546 | 34 | 123 | LY2JUM | 1.8 | 47,736 | 691 | 9 | 59 | SP5PKP | " | 14,094 | 254 | 7 | 48 | |
| *F8DNX | " | 105,370 | 383 | 49 | 156 | *DL2YCA | " | 25,086 | 145 | 36 | 75 | IK2PTR | " | 487,202 | 1400 | 31 | 107 | LY2JHM | " | 20,235 | 104 | 31 | 64 | SP6AEQ | " | 250 | 9 | 5 | 5 | |
| *F8DFN | " | 92,565 | 346 | 47 | 140 | *DL4JTW | " | 24,900 | 136 | 30 | 70 | K00ER | " | 207,360 | 900 | 27 | 81 | LY2KZ | A | 1,092,879 | 1352 | 96 | 363 | SP6BVA | " | 536,085 | 1927 | 38 | 133 | |
| *F6BAT | " | 78,973 | 296 | 40 | 111 | *DL2JUB | " | 21,620 | 139 | 32 | 83 | IK2UCK | " | 34,272 | 273 | 23 | 73 | LY2MM | " | 585,200 | 1040 | 80 | 300 | SP6PGQJ | " | | | | | |
| *F5VIO | " | 70,524 | 530 | 40 | 122 | *DL2LV | " | 21,251 | 150 | 22 | 57 | IZ0BEE | " | 111,754 | 395 | 30 | 112 | SP4AVG | " | 247,500 | 1130 | 31 | 116 | SP6BQJ | " | 5,932 | 109 | 22 | 57 | |
| *F5RPB | " | 63,867 | 246 | 38 | 131 | *DK3WN | " | 20,910 | 167 | 22 | 80 | IK2ASB | " | 11,654 | 219 | 29 | 94 | SP6BBR | 3.7 | 175,616 | 126 | 23 | 89 | SP6BVR | " | 167,292 | 1244 | 23 | 85 | |
| *F5SGI | " | 35,960 | 160 | 35 | 81 | *DF3HS | " | 20,178 | 102 | 36 | 76 | IK4MB | " | 19,140 | 360 | 9 | 11 | SP6MPB | " | 109,900 | 1508 | 21 | 99 | SP6PMB | " | 14,094 | 254 | 7 | 48 | |
| *F6FRA | " | 400 | 12 | 7 | 9 | *DG0CC | " | 19,550 | 190 | 32 | 83 | IK5PQO | 21 | 475,082 | 1660 | 34 | 123 | LY2WZ | " | 27,398 | 178 | 33 | 100 | SP5PKP | " | 14,094 | 254 | 7 | 48 | |
| *F5KSE | 28 | 21,488 | 155 | 17 | 51 | *DL3ZAI | " | 15,576 | 103 | 23 | 43 | IK3DMS | " | 447,853 | 1546 | 30 | 107 | LY2ZB | " | 20,235 | 104 | 31 | 64 | SP5PKP | " | 14,094 | 254 | 7 | 48 | |
| GERMANY | | | | | | *DL3KDC | " | 6,926 | 99 | 15 | 60 | IR7G | 7 | 554,996 | 1853 | 38 | 131 | LY2ZB | " | 1,092,879 | 1352 | 96 | 363 | SP5PKP | " | | | | | |
| DJ5MW | A | 4,118,400 | 3454 | 123 | 477 | *DL5MHR | " | 6,426 | 48 | 24 | 39 | IO4C | " | 251,968 | 1367 | 28 | 101 | LY2ZB | " | 1,092,879 | 1352 | 96 | 363 | SP5PKP | " | | | | | |
| DJ4PT | " | 3,712,885 | 2185 | 135 | 470 | *DL6ZH | " | 5,510 | 56 | 21 | 37 | IK2YV | " | 251,532 | 936 | 51 | 116 | LY2ZB | " | 1,092,879 | 1352 | 96 | 363 | SP5PKP | " | | | | | |
| DJ4NAC | " | 907,410 | 1093 | 90 | 316 | *DL7MAT | " | 5,184 | 70 | 24 | 57 | IK2YV | " | 1,092,879 | 1352 | 96 | 363 | LY1DT | 3.7 | 40,650 | 513 | 13 | 62 | SP5PKP | " | 1,092,879 | 1352 | 96 | 363 | |
| DJ2DX | " | 761,504 | 825 | 111 | 338 | *DK3AP | " | 5,022 | 74 | 19 | 49 | IK2YV | " | 1,092,879 | 1352 | 96 | 363 | LY1DT | 3.7 | 40,650 | 513 | 13 | 62 | SP5PKP | " | 1,092,879 | 1352 | 96 | 363 | |
| DJ4CQ | " | 598,120 | 893 | 98 | 348 | *DK3AP | " | 4,950 | 294 | 26 | 96 | IK2YV | " | 1,092,879 | 1352 | 96 | 363 | LY1DT | 3.7 | 40,650 | 513 | 13 | 62 | SP5PKP | " | 1,092,879 | 1352 | 96 | 363 | |
| DJ2RB | " | 239,209 | 421 | 27 | 129 | *DK2XJ | " | 4,812 | 392 | 27 | 87 | IK2YV | " | 1,092,879 | 1352 | 96 | 363 | LY1DT | 3.7 | 40,650 | 513 | 13 | 62 | SP5PKP | " | 1,092,879 | 1352 | 96 | 363 | |
| DJ4OG | " | 66,759 | 212 | 52 | 153 | *DL2RTJ | " | 2,638 | 66 | 8 | 32 | IK2YV | " | 2,210 | 50 | 9 | 25 | IK2YV | " | 1,092,879 | 1352 | 96 | 363 | SP5PKP | " | 1,092,879 | 1352 | 96 | 363 | |
| DJ2CK | " | 64,525 | 235 | 42 | 103 | *DL2SH | " | 1,435 | 33 | 9 | 26 | IK2YV | " | 1,435 | 33 | 9 | 26 | IK2YV | " | 1,092,879 | 1352 | 96 | 363 | SP5PKP | " | 1,092,879 | 1352 | 96 | 3 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|------|---------|---------|-----|-----|---------|-------|---------|-------|-----|-----|---------|---------|-------------|--------|-----|-----|---------|-------|-----------|-----------|-----------|-----|--------|----|-----------|-----------|------|-----|
| *SP7EXJ | . | 100 | 12 | 6 | 10 | *GM3BCL | * | 122,791 | 424 | 49 | 130 | *EA4DOX | * | 20,196 | 159 | 22 | 80 | *HB9TMM | 21 | 45,408 | 276 | 20 | 68 | VKLW | 7 | 186,878 | 711 | 29 | 77 |
| *SP3LWP | 28 | 130,379 | 464 | 123 | 31 | *MM0LEO | * | 52,136 | 227 | 39 | 113 | *EA4CU | * | 20,181 | 130 | 26 | 67 | *HB9NN | * | 14,580 | 137 | 15 | 45 | VK4EJ | A | 376,320 | 706 | 74 | 122 |
| *SP5LLC | * | 59,400 | 254 | 27 | 81 | *MM3EDZ | * | 9,632 | 125 | 18 | 68 | *EA2AZ | * | 17,290 | 100 | 33 | 62 | VK3DBQ | * | 18,012 | 103 | 32 | 44 | VK8AV | * | 14,162 | 69 | 41 | 56 |
| *SO4HRN | * | 57,132 | 337 | 22 | 86 | *GM7TUD | 28 | 103,424 | 501 | 24 | 104 | *EA3FHP | * | 16,231 | 151 | 21 | 63 | VK6DXI | * | 3,696 | 39 | 21 | 22 | VK5EMI | * | 1,326 | 20 | 13 | 13 |
| *S06LGJ | * | 57,114 | 85 | 23 | 32 | *GM3YOG | 14 | 24,539 | 232 | 20 | 63 | *EA1FB | * | 12,236 | 122 | 19 | 57 | VK5UE | * | 850 | 23 | 9 | 8 | VK1KMB | * | 442 | 11 | 8 | 9 |
| *SP9KJ | * | 39,644 | 181 | 28 | 78 | *MM2R | 3.7 | 8,241 | 130 | 11 | 48 | *EA4EMC | * | 11,970 | 92 | 36 | 54 | VK4FJ | 21 | 7,920 | 66 | 20 | 25 | VK6KK | 14 | 5,184 | 55 | 17 | 19 |
| *SP9QJO | * | 16,531 | 117 | 18 | 43 | SICILY | * | 10,972 | 93 | 18 | 34 | *EA7GX | * | 10,972 | 174 | 30 | 91 | VK0LW | * | 253,114 | 692 | 55 | 216 | VK2AAC | * | 4,879 | 43 | 15 | 26 |
| *SP4DC | * | 15,210 | 103 | 15 | 50 | VK4FJ | * | 10,285 | 174 | 30 | 91 | EN1U | * | 204,622 | 510 | 65 | 197 | VK5UE | * | 177,555 | 457 | 58 | 209 | VK1KMB | * | 442 | 11 | 8 | 9 |
| *SP4SAF | * | 15,141 | 106 | 22 | 50 | *IT9RW | 28 | 252,840 | 1042 | 33 | 114 | *EA3ATO | * | 17,290 | 100 | 33 | 62 | VK5ZM | * | 272,157 | 702 | 55 | 194 | VK4FJ | 21 | 7,920 | 66 | 20 | 25 |
| *SP6GZZ | * | 11,715 | 81 | 22 | 49 | *IT9SS | * | 227,920 | 1060 | 27 | 83 | *EA4AWM | * | 7,995 | 56 | 25 | 40 | VK5ZM | * | 177,555 | 457 | 58 | 209 | VK6KK | 14 | 5,184 | 55 | 17 | 19 |
| *SP6RLK | * | 11,658 | 83 | 18 | 40 | *IT9YA0 | A | 172,156 | 650 | 52 | 171 | *EA1AE | * | 5,040 | 42 | 21 | 39 | VK5ZM | * | 177,555 | 457 | 58 | 209 | VK2AAC | * | 4,879 | 43 | 15 | 26 |
| *S05JUM | * | 10,854 | 85 | 22 | 45 | *IT9AJP | * | 164,590 | 523 | 49 | 169 | *EA1KI | * | 4,592 | 67 | 19 | 37 | VK5ZM | * | 88,355 | 237 | 55 | 150 | VK5ZM | * | 88,355 | 237 | 55 | 150 |
| *SP61GTD | * | 5,544 | 59 | 14 | 28 | *IT9SW | * | 121,260 | 329 | 62 | 152 | *EA7FD | * | 4,154 | 61 | 14 | 39 | VK5ZM | * | 80,325 | 334 | 45 | 130 | VK5ZM | * | 80,325 | 334 | 45 | 130 |
| *SP9UML | * | 5,400 | 41 | 17 | 33 | *IT9RA | * | 47,433 | 268 | 32 | 131 | *EA7FUH | * | 2,968 | 32 | 25 | 31 | VK5ZM | * | 51,744 | 242 | 38 | 116 | VK5ZM | * | 51,744 | 242 | 38 | 116 |
| *SP6B8BE | * | 3,132 | 57 | 14 | 22 | *IT9VC | * | 36,448 | 158 | 39 | 95 | *EA4UB | * | 2,419 | 28 | 17 | 24 | VK5ZM | * | 49,800 | 304 | 29 | 137 | VK5ZM | * | 49,800 | 304 | 29 | 137 |
| *SP6EJ | * | 2,912 | 39 | 13 | 15 | *IT9JOF | 28 | 136,764 | 649 | 20 | 67 | *EA1DGG | * | 2,385 | 26 | 20 | 25 | VK5ZM | * | 29,161 | 144 | 28 | 93 | VK5ZM | * | 29,161 | 144 | 28 | 93 |
| *S05JJU | * | 2,788 | 28 | 16 | 25 | *IT9YU | * | 7,651 | 66 | 20 | 38 | *EA5FW | * | 2,142 | 23 | 13 | 21 | VK5ZM | * | 19,233 | 978 | 33 | 118 | VK5ZM | * | 19,233 | 978 | 33 | 118 |
| *SP7V7B | * | 378 | 9 | 7 | 7 | *IT9RY | 21 | 189,557 | 998 | 32 | 99 | *EA4WH | * | 1,716 | 36 | 17 | 27 | VK5ZM | 14 | 335,244 | 1546 | 35 | 121 | VK5ZM | * | 18,432 | 182 | 27 | 12 |
| *SP4PB1 | 21 | 229,653 | 637 | 37 | 134 | *IT9ST | 14 | 375,600 | 1476 | 33 | 117 | *EA3EAN | * | 1,092 | 128 | 27 | 64 | VK5ZM | * | 114,814 | 678 | 28 | 90 | VK5ZM | * | 114,814 | 678 | 28 | 90 |
| *SP90DY | * | 104,432 | 525 | 27 | 80 | *IT9IC | * | 92,721 | 957 | 22 | 71 | *EA7CA | * | 84 | 6 | 8 | 8 | VK5ZM | * | 113,460 | 670 | 30 | 92 | VK5ZM | * | 113,460 | 670 | 30 | 92 |
| *SP4JC0 | * | 69,113 | 450 | 23 | 80 | *IT9RJE | * | 54,802 | 410 | 22 | 84 | *EA3BAK | * | 70 | 7 | 3 | 7 | VK5ZM | * | 51,200 | 399 | 17 | 63 | VK5ZM | * | 51,200 | 399 | 17 | 63 |
| *SP4Z0 | * | 52,900 | 301 | 23 | 69 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *EA5ER | 28 | 379,488 | 1409 | 30 | 104 | VK5ZM | * | 23,182 | 227 | 14 | 53 | VK5ZM | * | 23,182 | 227 | 14 | 53 |
| *SP8E8 | * | 27,452 | 203 | 21 | 67 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *EA2CAR | * | 247,929 | 949 | 29 | 92 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP2HXY | * | 24,790 | 199 | 20 | 54 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *EA4TV | * | 209,088 | 776 | 28 | 104 | VK5ZM | 7 | 66,872 | 572 | 20 | 84 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP7FB0 | * | 19,521 | 130 | 19 | 62 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *EA2RC | * | 1,067 | 20 | 82 | 82 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP4NKJ | * | 14,271 | 152 | 18 | 53 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM3AG | A | 337,700 | 710 | 77 | 230 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP9URP | * | 11,664 | 95 | 14 | 40 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM3IG | A | 337,700 | 710 | 77 | 230 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP6DHH | * | 5,727 | 107 | 12 | 33 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM3IM | * | (OP: OM4DW) | * | * | * | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP9ADV | * | 18 | 2 | 1 | 2 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM3NA | 14 | 628,974 | 2202 | 36 | 130 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP3PL | 14 | 108,406 | 615 | 28 | 106 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM4DN | A | 487,884 | 975 | 66 | 261 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP3GXH | * | 96,492 | 451 | 31 | 101 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM6RM | * | 458,784 | 1035 | 66 | 267 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP90HP | * | 68,655 | 438 | 28 | 87 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM7RU | * | 298,915 | 775 | 68 | 245 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP9HJM | * | 61,506 | 455 | 22 | 80 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM8BD | * | 227,960 | 558 | 63 | 215 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP9NDN | * | 51,993 | 331 | 25 | 84 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM6TX | * | 223,395 | 661 | 54 | 211 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP4PHB | * | 36,603 | 365 | 16 | 67 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM5YK | * | 143,052 | 428 | 53 | 176 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *S02EAN | * | 34,354 | 347 | 19 | 70 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM7AG | * | 79,740 | 354 | 43 | 137 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP6DMI | * | 24,648 | 252 | 18 | 60 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM4TC | * | 32,769 | 245 | 25 | 74 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP3PK | * | 10,020 | 183 | 10 | 50 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM4AMA | * | 23,760 | 199 | 29 | 103 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *S03GNA | 3.7 | 4,620 | 207 | 7 | 37 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM53M | * | 16,500 | 229 | 56 | 154 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP4SL | * | 4,280 | 135 | 6 | 34 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM51Z0 | * | 16,500 | 229 | 56 | 154 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP4XQN | 1.8 | 18,354 | 352 | 7 | 50 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM51Z0 | * | 16,500 | 229 | 56 | 154 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *S06A | * | 16,500 | 329 | 7 | 48 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM51Z0 | * | 16,500 | 229 | 56 | 154 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP4MPH | * | 15,730 | 294 | 7 | 48 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM51Z0 | * | 16,500 | 229 | 56 | 154 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| *SP7V7B | * | 2,912 | 102 | 43 | 63 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM51Z0 | * | 16,500 | 229 | 56 | 154 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 | VK5ZM | * | 1,428,170 | 1,428,170 | 1693 | 94 |
| PORTUGAL | C02T | A | 329,672 | 958 | 49 | 154 | VK5ZM | * | 2,912 | 170 | 12 | 33 | *OM51Z0 | * | 16,500 | 229 | 56 | 154 | VK5ZM | * | 1,428,170 | 1,428,170 | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|----|-----------|------|-----|-----|--------------|---------|-----------|---------|------|--------|-------------|------------|---------|--------|--------|--------|-------------|-----------|-----------|--------|--------|-------|---------|-----------|-----------|---------|---------|-------|-----|-----|
| *LU3HEO | * | 3,724 | 55 | 16 | 22 | CX8CP | * | 254,288 | 1074 | 27 | 65 | LUDR | 21 | 113,600 | 470 | 25 | 75 | N2AB | * | 169,736 | 322 | 43 | 153 | K8SIX | * | 429,968 | 563 | 84 | 224 | | |
| *LU2BA | 7 | 10,956 | 85 | 21 | 45 | CX7BY | 14 | 547,459 | 1249 | 36 | 121 | EA8TX | * | 57,776 | 238 | 19 | 73 | N1JP/2 | * | 108,086 | 228 | 55 | 132 | N8KRR | * | 360,528 | 437 | 82 | 266 | | |
| | | | | | | *CX9AU | A | 1,098,294 | 1308 | 96 | 23 | J01NGT | * | 51,987 | 294 | 25 | 61 | K2PFB | * | 94,185 | 228 | 46 | 115 | ND5S/8 | * | 324,276 | 344 | 86 | 280 | | |
| | | | | | | *CXITA | 28 | 850,766 | 2378 | 29 | 105 | K0EIE | * | 50,794 | 278 | 25 | 84 | K2BX | * | 78,880 | 175 | 41 | 129 | WB8ZRL | * | 143,663 | 223 | 81 | 176 | | |
| P40A | 14 | 1,882,925 | 4177 | 37 | 130 | (OP: KK9A) | *CX7CAJ | * | 352,602 | 1206 | 29 | 95 | (OP: CX2L) | HA0GK | * | 46,640 | 310 | 20 | 68 | KD2HE | * | 53,325 | 181 | 31 | 104 | AF8C | * | 140,624 | 313 | 50 | 138 |
| *P40B | A | 4,841,265 | 4326 | 103 | 304 | (OP: P43P) | *CX2AM | 21 | 385,140 | 1188 | 30 | 101 | W2QOL | * | 30,270 | 257 | 20 | 72 | N2UW | * | 28,060 | 240 | 63 | 181 | KI9IZ | * | 131,943 | 261 | 42 | 141 | |
| | | | | | | *CX3AT | 14 | 48,503 | 212 | 26 | 65 | H47MW | * | 25,993 | 148 | 17 | 62 | N2UJY | * | 18,564 | 92 | 34 | 57 | K4PPT | * | 62,329 | 163 | 43 | 114 | | |
| | | | | | | BOLIVIA | | | | | JR1NKN | * | 17,155 | 142 | 17 | 56 | WA2E | * | 12,166 | 69 | 28 | 51 | K2BE | * | 35,910 | 114 | 47 | 79 | | | |
| CP6XE | 14 | 112,623 | 528 | 25 | 68 | VENEZUELA | | | | | JR1NKN | * | 11,417 | 117 | 19 | 56 | K2E | * | 10,050 | 92 | 20 | 30 | K3WW | A | 3,714,126 | 2146 | 143 | 520 | | | |
| *CP1FF | A | 72,494 | 260 | 45 | 89 | YV6BTF | A | 1,879,605 | 2082 | 93 | 258 | Y06EZ | * | 9,002 | 147 | 11 | 7 | A43B | * | 2,793,272 | 1717 | 124 | 460 | W9XY | * | 1,315,215 | 210 | 101 | 122 | | |
| | | | | | | YV5LIX | * | 158,202 | 655 | 28 | 71 | KC8TL | * | 7,450 | 66 | 13 | 37 | W3GM | * | 1,822,144 | 1191 | 122 | 446 | WE9V | * | 1,062,200 | 872 | 104 | 348 | | |
| | | | | | | YV4DKD | 7 | 30,537 | 166 | 21 | 66 | UA3QJJ | * | 7,139 | 211 | 10 | 49 | (OP: K3ND) | * | 1,720,224 | 1197 | 118 | 410 | K9B9UM | * | 859,572 | 839 | 92 | 286 | | |
| PS9DX | A | 525,279 | 758 | 83 | 228 | *YVSJRU | A | 197,390 | 546 | 42 | 95 | K01AU | * | 4,920 | 109 | 9 | 33 | K3CP | * | 1,275,340 | 944 | 112 | 372 | KF9YR | * | 749,957 | 776 | 84 | 294 | | |
| PV2M | " | 486,072 | 778 | 68 | 190 | *YVSJRU | A | 22,176 | 127 | 33 | 63 | EC1ALY | * | 4,823 | 156 | 15 | 38 | K3MD | * | 1,190,700 | 1114 | 93 | 348 | K9UQN | * | 626,961 | 752 | 71 | 238 | | |
| | | | | | | (OP: P2TADM) | | | | | K01KE | * | 3,948 | 98 | 14 | 28 | W2UP/3 | * | 1,177,044 | 1026 | 88 | 319 | W9XT | * | 458,040 | 494 | 87 | 260 | | | |
| | | | | | | YV5LNG | 3.7 | 1 | 2 | 2 | 7N4WPY | * | 5,217 | 63 | 18 | 29 | N3NA | * | 998,460 | 853 | 93 | 335 | KC9JS | * | 448,392 | 511 | 86 | 271 | | | |
| | | | | | | YV5LNG | 21 | 172,912 | 1102 | 25 | 76 | J18GZS | * | 360 | 14 | 7 | 9 | W3GK | * | 932,028 | 901 | 89 | 315 | W9OK | * | 381,096 | 522 | 62 | 206 | | |
| | | | | | | YV5LNG | 21 | 8,880 | 104 | 12 | 28 | Y1UNR | 14 | 244,348 | 1105 | 34 | 114 | N3NQ | * | 82,560 | 787 | 93 | 331 | K9MM | * | 249,444 | 413 | 68 | 170 | | |
| | | | | | | YV5LNG | 7 | 65,961 | 452 | 16 | 47 | Y54AA | * | 118,188 | 547 | 30 | 104 | N3MX | * | 652,340 | 746 | 76 | 262 | K9KEG | * | 183,885 | 350 | 60 | 145 | | |
| | | | | | | YV5LNG | 7 | 5,961 | 452 | 16 | 47 | OK2WMT | * | 63,232 | 490 | 20 | 84 | W3WS | * | 632,111 | 652 | 84 | 277 | K9OR | * | 168,844 | 296 | 54 | 167 | | |
| | | | | | | YV5LNG | 28 | 1,749,325 | 3894 | 35 | 132 | KH6WW | * | 59,280 | 402 | 18 | 77 | WB3CIW | * | 608,937 | 801 | 67 | 254 | N9GUN | * | 145,493 | 306 | 44 | 129 | | |
| | | | | | | YV5LNG | 28 | 1,749,325 | 3894 | 35 | 132 | (OP: PP5WC) | * | 45,927 | 219 | 29 | 52 | W3CC | * | 606,924 | 569 | 91 | 323 | W9FV | * | 84,631 | 234 | 40 | 102 | | |
| | | | | | | YV5LNG | 28 | 1,749,325 | 3894 | 35 | 132 | (OP: PP5WC) | * | 10,050 | 92 | 20 | 30 | (OP: W8QZQ) | * | 599,691 | 713 | 80 | 259 | W3EA | * | 1,210,216 | 1469 | 129 | 419 | | |
| PX2W | " | 1,629,950 | 3275 | 35 | 140 | SB4AGCM | A | 1,423,175 | 1633 | 80 | 297 | VB2OK | * | 43,620 | 162 | 35 | 88 | N3NK | * | 586,568 | 681 | 71 | 252 | K9KX | A | 2,160,216 | 1469 | 129 | 419 | | |
| | | | | | | F5BEG | * | 924,446 | 1066 | 93 | 366 | YT1CS | * | 39,420 | 363 | 18 | 72 | N3II | * | 528,882 | 561 | 92 | 270 | K9KD/0 | * | 1,529,752 | 281 | 119 | 353 | | |
| ZW5B | " | 1,597,968 | 3599 | 36 | 126 | N9IE | A | 484,300 | 643 | 64 | 226 | SP9IBJ | * | 25,844 | 272 | 14 | 57 | W3HQV | * | 498,955 | 565 | 90 | 275 | K9OU | * | 636,840 | 746 | 92 | 268 | | |
| | | | | | | N4KG | * | 470,808 | 600 | 81 | 231 | UX6XX | * | 9,048 | 203 | 14 | 38 | K3BSA | * | 460,324 | 546 | 74 | 240 | NT4T/0 | * | 519,384 | 556 | 104 | 304 | | |
| | | | | | | K9ZT | * | 449,202 | 531 | 85 | 263 | JH3AOI | * | 8,836 | 236 | 22 | 37 | (OP: K3JUL) | * | 385,163 | 510 | 74 | 209 | W3RDK | * | 238,329 | 330 | 71 | 202 | | |
| | | | | | | YV5LNG | * | 685,377 | 2169 | 28 | 101 | U3BL | * | 448,448 | 709 | 23 | 79 | SP9EWO | * | 7,487 | 97 | 15 | 52 | K3V5 | * | 427,440 | 522 | 80 | 232 | | |
| | | | | | | YV5LNG | * | 95,836 | 475 | 23 | 74 | DF1DX | * | 400,780 | 727 | 61 | 29 | J4TQK | * | 6,134 | 64 | 21 | 30 | W3U0 | * | 211,850 | 539 | 56 | 167 | | |
| | | | | | | YV5MSS | * | 3,036 | 39 | 12 | 21 | OK2PP | * | 350,740 | 845 | 65 | 282 | EP3CO | * | 2,940 | 40 | 6 | 24 | K3PD | * | 170,259 | 309 | 64 | 185 | | |
| | | | | | | YV1BEK | * | 96 | 11 | 5 | 3 | WAOBVW | * | 342,016 | 510 | 62 | 94 | I2ZEWWD | * | 1,064 | 37 | 6 | 22 | K3UA | * | 372,592 | 500 | 71 | 221 | | |
| PK5E | 21 | 2,207,000 | 3965 | 39 | 161 | I5KRUN | * | 317,184 | 569 | 13 | 163 | YL2PP | * | 600 | 20 | 20 | 50 | KB3MM | * | 357,700 | 647 | 68 | 228 | K9AD | * | 126,066 | 259 | 58 | 140 | | |
| | | | | | | PT5A | 14 | 938,918 | 2409 | 35 | 116 | SM3C | * | 316,693 | 480 | 88 | 245 | H1C1AR | * | 150 | 5 | 5 | 5 | W3V7T | * | 344,977 | 533 | 70 | 213 | | |
| | | | | | | PT5A | 14 | 422,636 | 1258 | 42 | 92 | UN4L | * | 307,430 | 668 | 72 | 283 | W2WDB | * | 120,564 | 287 | 49 | 169 | KO1L | * | 39,243 | 142 | 36 | 91 | | |
| | | | | | | PT5A | 14 | 22,854 | 198 | 21 | 57 | E4A3FF | * | 208,339 | 447 | 63 | 191 | ES1CW | 7 | 10,010 | 151 | 11 | 54 | W8J/3 | * | 85,665 | 203 | 40 | 126 | | |
| | | | | | | PT5A | 1.8 | 1,950 | 30 | 10 | 15 | UA0SE | * | 204,767 | 637 | 57 | 130 | RX6LDK | * | 7,504 | 101 | 11 | 45 | AA0CY/3 | * | 83,655 | 203 | 47 | 178 | | |
| | | | | | | PR5V5B | A | 3,464,188 | 2816 | 114 | 320 | UA0SE | * | 194,821 | 496 | 48 | 151 | N7R | * | 4,290 | 48 | 15 | 24 | W3Q/3 | * | 203,116 | 33 | 123 | W3Q/3 | | |
| | | | | | | PR2F | A | 3,464,188 | 2816 | 114 | 320 | UA0SE | * | 195,040 | 496 | 48 | 151 | W3Q/3 | * | 4,290 | 48 | 15 | 24 | W3Q/3 | * | 203,116 | 33 | 123 | W3Q/3 | | |
| | | | | | | ZY5JP | * | 597,240 | 2109 | 60 | 156 | I2ZHI | * | 175,926 | 443 | 55 | 122 | D3L3B | * | 7,504 | 101 | 11 | 45 | W3Q/3 | * | 203,116 | 33 | 123 | W3Q/3 | | |
| | | | | | | ZY7EG | * | 502,434 | 959 | 57 | 149 | K10WD | * | 14,005 | 82 | 36 | 58 | W3Q/3 | * | 16,992 | 240 | 10 | 49 | N3RW | 7 | 5,109 | 48 | 9 | 30 | | |
| | | | | | | ZY7EG | * | 4,226,636 | 1258 | 42 | 92 | UN4L | * | 8,876 | 282 | 28 | 84 | W3Q/3 | * | 8,876 | 282 | 28 | 84 | W3Q/3 | * | 188,214 | 303 | 63 | 184 | | |
| | | | | | | ZY7EG | * | 187,625 | 528 | 42 | 81 | W3Q/3 | * | 10,740 | 376 | 41 | 126 | W3Q/3 | * | 10,740 | 376 | 41 | 126 | W3Q/3 | * | 138,660 | 298 | 44 | 131 | | |
| | | | | | | ZY7EG | * | 177,156 | 568 | 38 | 73 | W3Q/3 | * | 10,237 | 376 | 41 | 126 | W3Q/3 | * | 14,052 | 271 | 22 | 416 | W3Q/3 | * | 120,560 | 221 | 41 | 116 | | |
| | | | | | | ZY7VI | * | 154,585 | 314 | 61 | 154 | M3RCV | * | 93,969 | 443 | 38 | 159 | W3Q/3 | * | 2,160 | 565 | 72 | 122 | W3Q/3 | * | 211,850 | 304 | 73 | 123 | | |
| | | | | | | ZY8AZT | * | 140,616 | 374 | 57 | 129 | K1R1ST4 | * | 78,624 | 216 | 27 | 109 | W3Q/3 | * | 2,160 | 565 | 72 | 121 | W3Q/3 | * | 211,850 | 304 | 73 | 123 | | |
| | | | | | | ZY8AZT | * | 128,558 | 199 | 23 | 50 | D1TRK | * | 17,771 | 227 | 51 | 87 | W3Q/3 | * | 1,283,997 | 1047 | 10 | 351 | W4Q4A | * | 8,967 | 57 | 22 | 109 | | |
| | | | | | | ZY8AZT | * | 29,889 | 163 | 25 | 59 | PA0FAW | * | 8,216 | 101 | 20 | 59 | W3Q/3 | * | 506,496 | 504 | 87 | 297 | W3Q/3 | * | 256,311 | 347 | 87 | 210 | | |
| | | | | | | ZY8AZT | * | 2,074 | 46 | 9 | 8 | PA0FAW | * | 8,136 | 79 | 21 | 51 | K1CF1 | * | 503,524 | 550 | 79 | 264 | W3Q/3 | * | 188,214 | 303 | 63 | 184 | | |
| | | | | | | ZY8AZT | * | 321,678 | 97 | 30 | 96 | | | | | | | | | | | | | | | | | | | | |

| CZECH REPUBLIC | | | | | | | | | | | | | | | | | | CANADA | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|-----|-----------|------|-----|-----|--------------|-------|-----------|-------|-----|-----|--------------|--------------|--------------|-----------|---------|-------|------------|------------------------|-----------|-----------|-------|-----------|-----------|-----------|------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|
| OK2FD | A | 2,237,872 | 1740 | 138 | 551 | SP6EKS | A | 2,737,800 | 2110 | 130 | 518 | UY2UF | * | 1,020 | 49 | 4 | 16 | KA2FQI | 2,735,054 | 1851 | 120 | 443 | VIYTT | 5,423,220 | 3691 | 119 | 486 | | | | | | | | | | | | | | |
| OK1FDY | * | 203,574 | 446 | 69 | 193 | SO8FEW | * | 199,984 | 446 | 56 | 176 | N2LBR | 809,904 | 799 | 82 | 294 | WE3RM | 5,074,710 | 3945 | 124 | 427 | | | | | | | | | | | | | | | | | | | | |
| OL7N | 28 | 370,032 | 1040 | 31 | 125 | SP6E0Z | * | 87,531 | 361 | 39 | 140 | UJUJ | 3.7 | 300,672 | 1446 | 31 | 113 | N2SS | 744,600 | 710 | 100 | 308 | VA3SK | 4,226,466 | 3472 | 121 | 433 | | | | | | | | | | | | | | |
| OK2ZJ | * | 5,934 | 50 | 15 | 31 | SP3HUU | 28 | 46,530 | 212 | 30 | 111 | (OP: UO1JRU) | 110,460 | 989 | 22 | 83 | WB2DE | 545,184 | 672 | 102 | 330 | VE7SV | 3,216,960 | 3266 | 130 | 350 | | | | | | | | | | | | | | | |
| OZ4O | A | 388,276 | 631 | 70 | 273 | SO2R | 14 | 1,031,940 | 3118 | 37 | 145 | GW7X | 14 | 130,581 | 894 | 21 | 78 | WB2KHO | 360,944 | 561 | 63 | 209 | VE3YAA | 1,631,840 | 1761 | 104 | 330 | | | | | | | | | | | | | | |
| OZ0F | * | 43,508 | 259 | 31 | 115 | (OP: OZ1AIZ) | SP5BE | 7 | 3,157 | 78 | 5 | 36 | (OP: GWØRYT) | (OP: GWØRYT) | K2YEH | 313,425 | 405 | 84 | 231 | VE7GL | 1,597,365 | 1999 | 112 | 273 | | | | | | | | | | | | | | | | | |
| DENMARK | | | | | | | | | | | | | | | | | | W2IW | 273,790 | 574 | 71 | 191 | VE6AO | 1,494,200 | 2682 | 92 | 218 | | | | | | | | | | | | | | |
| PORTUGAL | | | | | | | | | | | | | | | | | | KC2EVL | 6,480 | 55 | 23 | 37 | VA2TG | 432,900 | 746 | 53 | 207 | | | | | | | | | | | | | | |
| ROMANIA | | | | | | | | | | | | | | | | | | VA3ARG | 101,304 | 296 | 61 | 128 | VE8JL | 16,560 | 132 | 34 | 38 | | | | | | | | | | | | | | |
| ENGLAND | | | | | | | | | | | | | | | | | | COSTA RICA | | | | | | | | | | | | | | | | | | | | | | | |
| G3LZO | A | 278,720 | 445 | 79 | 256 | YP3A | 14 | 728,160 | 2822 | 37 | 148 | (OP: Y09GZU) | YT6A | 21 | 1,087,952 | 2867 | 39 | 155 | NE3F | 3,065,403 | 2024 | 134 | 493 | TI5A | 5,082,975 | 5577 | 124 | 351 | | | | | | | | | | | | | |
| M0C | 14 | 619,650 | 2038 | 38 | 132 | MM0Q | A | 41,313 | 173 | 35 | 106 | (OP: MM0BQI) | YZ1V | 14 | 211,640 | 1258 | 31 | 112 | W3LJ | 296,529 | 429 | 66 | 225 | CUBA | | | | | | | | | | | | | | | | | |
| M3MCX | 7 | 5,264 | 154 | 6 | 41 | MM0BQI | 3.7 | 11,644 | 123 | 16 | 55 | (OP: MM0BQI) | YU1UU | 1.8 | 9,250 | 194 | 6 | 44 | W3LRC | 10,152 | 124 | 34 | 74 | T42GG | 3,203,605 | 4273 | 91 | 274 | | | | | | | | | | | | | |
| ESTONIA | | | | | | | | | | | | | | | | | | HONDURAS | | | | | | | | | | | | | | | | | | | | | | | |
| ES5QX | 3.7 | 30,340 | 304 | 15 | 67 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: VK4UC) | AH6NF | A | 9,869 | 57 | 34 | 37 | W4WTS | 4,258,124 | 2538 | 153 | 523 | HR6/VE3BW | 1,137,150 | 1679 | 90 | 225 | | | | | | | | | | | | | |
| EUROPEAN RUSSIA | | | | | | | | | | | | | | | | | | WA4TFZ | 179,536 | 337 | 51 | 178 | 6D9X | 3,708,403 | 4420 | 120 | 289 | | | | | | | | | | | | | | |
| UA3BZ | A | 641,560 | 1007 | 92 | 338 | IT9GSF | A | 4,782,904 | 2917 | 146 | 620 | (OP: UA4RC) | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | KGH | 1,333,239 | 1075 | 131 | 390 | KP4US | 347,851 | 883 | 61 | 156 | | | | | | | | | | | | | |
| RN4WA | * | 640,135 | 1041 | 90 | 353 | IT9IQO | 21 | 115,164 | 646 | 28 | 98 | (OP: UA4RC) | AH6NF | A | 9,869 | 57 | 34 | 37 | PUERTO RICO | | | | | | | | | | | | | | | | | | | | | | |
| UA3AB | * | 141,478 | 269 | 80 | 174 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: UA4RC) | KGH | A | 1,333,239 | 1075 | 131 | 390 | TURKS & CAICOS ISLANDS | | | | | | | | | | | | | | | | | | | | | | |
| RF4R | 28 | 129,360 | 602 | 32 | 122 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: UA4RC) | KGH | A | 1,333,239 | 1075 | 131 | 390 | AFRICA | | | | | | | | | | | | | | | | | | | | | | |
| RU6YY | * | 43,520 | 142 | 33 | 103 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: UA4RC) | KGH | A | 1,333,239 | 1075 | 131 | 390 | CANARY ISLANDS | | | | | | | | | | | | | | | | | | | | | | |
| UA6LV | 21 | 461,700 | 1541 | 36 | 126 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: UA4RC) | KGH | A | 1,333,239 | 1075 | 131 | 390 | MADEIRA ISLANDS | | | | | | | | | | | | | | | | | | | | | | |
| UA4RC | 7 | 69,690 | 294 | 26 | 89 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: UA4RC) | KGH | A | 1,333,239 | 1075 | 131 | 390 | NAMIBIA | | | | | | | | | | | | | | | | | | | | | | |
| RU6LA | 3.7 | 84,209 | 683 | 24 | 83 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: UA4RC) | KGH | A | 1,333,239 | 1075 | 131 | 390 | TUNISIA | | | | | | | | | | | | | | | | | | | | | | |
| UA6AO | * | 6 | 1 | 1 | 1 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: UA4RC) | KGH | A | 1,333,239 | 1075 | 131 | 390 | AFRICA | | | | | | | | | | | | | | | | | | | | | | |
| FINLAND | | | | | | | | | | | | | | | | | | ASIA | | | | | | | | | | | | | | | | | | | | | | | |
| OH6NIO | A | 1,689,171 | 1598 | 118 | 443 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: DK3GI) | KGH | A | 1,333,239 | 1075 | 131 | 390 | ASIATIC RUSSIA | | | | | | | | | | | | | | | | | | | | | | |
| OH6DX | * | 287,217 | 719 | 72 | 219 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: DK3GI) | KGH | A | 1,333,239 | 1075 | 131 | 390 | BELGIUM | | | | | | | | | | | | | | | | | | | | | | |
| OH2LU | * | 266,385 | 553 | 64 | 237 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: DK3GI) | KGH | A | 1,333,239 | 1075 | 131 | 390 | ISRAEL | | | | | | | | | | | | | | | | | | | | | | |
| OH3HS | * | 54,378 | 218 | 41 | 118 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: DK3GI) | KGH | A | 1,333,239 | 1075 | 131 | 390 | CYPRUS | | | | | | | | | | | | | | | | | | | | | | |
| OH6Y | * | 48,576 | 234 | 25 | 67 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: OH6YF) | KGH | A | 1,333,239 | 1075 | 131 | 390 | ISRAEL | | | | | | | | | | | | | | | | | | | | | | |
| OH3WW | * | 18,424 | 150 | 25 | 73 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: OH6YF) | KGH | A | 1,333,239 | 1075 | 131 | 390 | JAPAN | | | | | | | | | | | | | | | | | | | | | | |
| OH2CI | * | 8,165 | 89 | 17 | 54 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: OH6YF) | KGH | A | 1,333,239 | 1075 | 131 | 390 | KYRGYZSTAN | | | | | | | | | | | | | | | | | | | | | | |
| OH4MDV | 14 | 401,432 | 1860 | 37 | 115 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: OH6YF) | KGH | A | 1,333,239 | 1075 | 131 | 390 | SINGAPORE | | | | | | | | | | | | | | | | | | | | | | |
| OH2BO | 1.8 | 11,136 | 215 | 8 | 50 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: OH6YF) | KGH | A | 1,333,239 | 1075 | 131 | 390 | EUROPE | | | | | | | | | | | | | | | | | | | | | | |
| FRANCE | | | | | | | | | | | | | | | | | | AUSTRIA | | | | | | | | | | | | | | | | | | | | | | | |
| TM7F | A | 5,321,810 | 3720 | 128 | 483 | VK4UC | A | 1,075,570 | 1307 | 97 | 198 | (OP: DK3GI) | KGH | A | 1,333,239 | 1075 | 131 | 390 | BELGIUM | | | | | | | | | | | | | | | | | | | | | | |
| FS1N | * | 202,860 | 429 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

