

# 1978 CQ World-Wide DX Contest Phone Results

BY LARRY BROCKMAN†, N6AR (ex-WA6EPQ), and BOB COX\*, K3EST

If anyone had a doubt about the arrival of the new sunspot cycle, the 1978 WW DX Phone Contest allayed all fears. The conditions overall were outstanding. It seems that operators throughout the world had been for the curtain to go up, because the outstanding conditions were met with outstanding operating from all continents. 28 MHz. turned out to be just large enough to accommodate an incredible

T7164 Rock Ridge Terrace, Canoga Park, Calif. 91307

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onslaught of activity. You had to search way up to 28.800 or higher to find a clear frequency.

Contact totals and scores soared to heights no one thought possible only a few years ago. When the dust settled, there was 9Y4VT with 8.28M points. Operated by Richard Norton (N6AA), 9Y4VT set a new single operator all band record with 6,194 QSO's! EA0CR and CT3BZ (OH2BH op.) finished second and third respectively.

The gang at FY7BC set out to break the old multi-single record. They did so handily with 8.98M points. The

competition for second were fierce. RF6F, 9L1CA and IZ4VEQ all broke the old record.

The multi-multi class was led by the Potamac Valley Radio Club expedition to PJ9JR, with a score of 29.2M points. Peak hours if over 360 QSO's plus a total of 14,598 QSO's netted them the new world record. KH6XX, PJ8CO and EX9A finished second, third and fourth respectively.

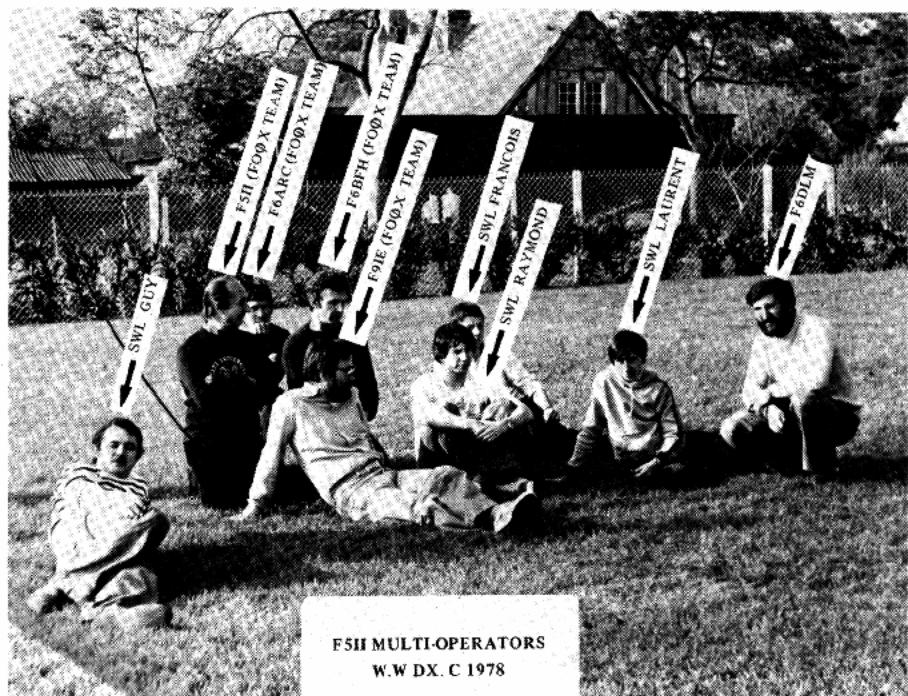
Top USA all band score was WA8ZDT operating at W4DR. Kevin just edged out N7DD who was second again! (Maybe next year). Kevin broke the all time USA record.

K5GA from beautiful Houston walked away with the USA multi-single record. K1PR was second followed by K8NA. K5GA (K5RC on CW) lost several antennas due to high winds after the contest.

The USA multi-multi competition a close race with 4 stations beating the old record. N2AA edged out W3WJD, W7RM and W2PV. If you have not heard W7RM lost his antenna farm in a high wind storm during the winter. We all look forward to the day we hear W7RM handing out zones again.

In addition to the stations mentioned above, the following stations set new records: YU3ZV: World 21 MHz; KV4FZ: World 14 MHz; CW3BR: World 28 MHz; ZS6BNZ: Africa 28 MHz; VE3BWK/4U: Asia 14 MHz; DK5WL: Europe 28 MHz; I3MAU: Europe 7 MHz; VE3BMV: N. America 21 MHz; VR3AH: Oceania 28 MHz; W1CF: USA 3.8 MHz; WA6EKL: USA 21 MHz; K6OQ: USA 28 MHz.

31 entries were received in the new QRPP category, demonstrating the capabilities of flea powered equip-

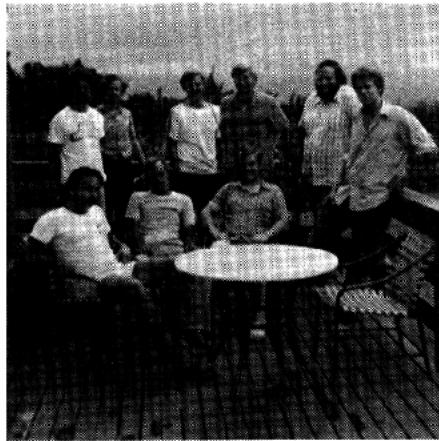


ment. Allan, VP9AD, is the top scorer with 1,147 QSO's, followed by Paul, QA8V. WA4IAR is the top USA entry with W6PQZ and his solar powered station taking second.

Several other entries are worthy of note. K1CGJ worked 72 countries and 25 zones on 28 MHz. I4DLS worked 65 countries on 14 MHz using 3.6 watts. An outstanding 3.8 MHz entry was received from AA1K, and JA0JCJ worked Europe and the USA on 3.8 with 8 watts PEP. We hope this exciting category will grow.

#### A Special Thanks

To the many expeditions that make the CQ contest so interesting. The expeditions of ZL3HI/C, PJ9JR, PJ8CO, VP2VER, HC8A, KH6XX, N1GL/VP9, VP2MBA, CT3/OH2FR, UK9OAD/U8W, RF6F, 9Y4VT, W4NT/CGA, VP1RX, FG0EID/FS, K2NJ/VP9, ZF2BC and



Crew at KH6XX. L to R (back) AE6E, G3VZT, WH6ABN, KH6XX, W7EJ, N6ZV; L to R (front) K7SS, AH6Z, N7ZZ.

HH2CQ made the weekend very enjoyable. The Oceania 14 MHz. VK3JW memorial trophy was not awarded due to a lack of a qualified entrant. (12 hrs. minimum operation)

The total logs received on SSB were 2,594 WHEW! What a lot of work checking and correlation of information. It wouldn't have been possible without the work of the Committee. The following people provided the expertise necessary to check each entrant in the category assigned to them: Frank Anzalone, W1WY; Terry Baxter, N6CW; Yuri Blanarovicz, VE3BMV; Lenny Chertok, W3GRF; Dave Donnelly, K2SS; Lon Jenkins, N6VV; Fred Morris, AD6C; Glenn Rattmann, K6NA; Jim Sullivan, W7EJ; Reg Towne, N6SV; Gene Walsh, N2AA; Tom Taormina, K5RC and Gene Zimmerman, W3ZZ.

Congratulations to all the winners.  
73, Bob K3EST and Larry, N6AR

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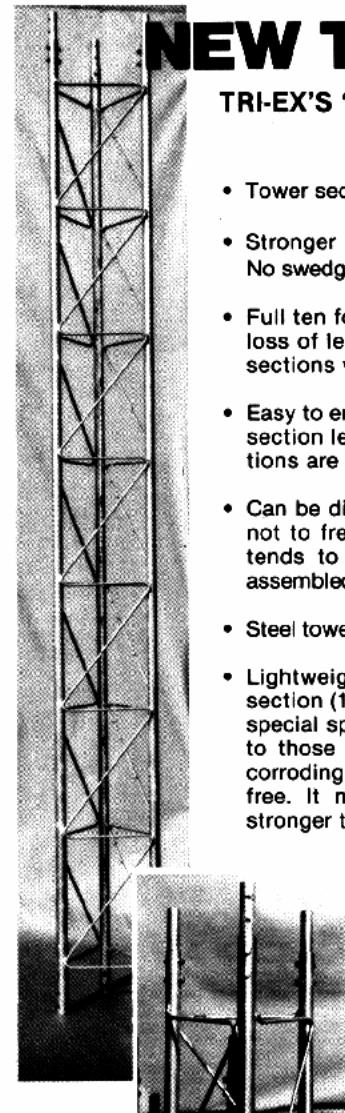
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**KL7HR**, L to R sitting, KL7IWE, KL7FAP, KL7HR, Lou, Mike, Harold, KL7RA; L to R standing, KL7AZ, KL7IXZ, KL7IVX, AL7AF, KL7IUM, KL7UN.



**I6NOA, Alex**



**The QTH of YU3EY, Multi-Single**

### **USA QRM**

Almost fell off the chair when I worked Chatham Islands. Spilled coffee on my lap....K1CGJ/QRPP. 1 new country-229th on QRPP....W6PQZ. To contact your local QRPer, consult the yellow pages under "Insane Asylum"....W5YZ. Finally worked zone 26 for WAZ....W4RW. Been wanting to work Russian Georgia never heard one till this contest-worked 2...AK4T. The score may not be a big deal but I had as much fun as the Megapoint gang....W4PLR. Even at 79, it is still fun....W4ZM. Had to get 5W1BR to help me work a "ZL"....N4KG. Really wanted DX-CC on 10M in test and just made it....N4CT(TJ1AW). Burned the Midnight oil-Lost a few pounds-Had a great time!!....W5ZPA. Worked KL7 & KH6 on 75 for 5BWAS #249 & 250....AE5H. It has been 15 yrs since last test-My how humble you feel being on the bottom!!....K6EXO. Didn't fully understand all this till after the logs were done, My God the paperwork!....KB6DJ. Worked 4U1UN for a new country #351....W6BS. Great to hear 10 like it was 20 years ago....W6PU. Openings on 15m are the best next to mom's apple pie....WA1PSI. Looks like I'll be all alone on 40m for the next 5 years....K1CV. Not too easy to operate with a BC348....WB2EOO. First time I tried 160-it was fun even with a bad antenna....K3KA. Amplifier blew up after 1 hr. 20 min. Best laid plans!....N3ED. The QRM on 28 MC was incredible. Good thing there was a lot of room....K3UA. My gripe is with the DX station who initially comes back with half my callsign, then after I correct it he continues on with "QSL-QRZ" and never repeats back my whole callsign. How do I know that he really got my call corrected?....W7JYW. Put up a beam the night before the contest, this was my first Test with a beam and boy, what a difference!....WB7SVQ. Seemed funny to get beaten in a pileup by K8LM, who was using my old equipment!....WB8LFO. This was easier from Cuba in the late 50's and early 60's when I multi-op'd from CO8RA. Tough going from USA without a linear amp....KA8BAC. The biggest thrill was hearing Japan on ten-meter long path before sunrise—biggest disappointment was not working any!....WA8Q/Y. Love that Sunday afternoon horse-race into Africa on ten....K8YWG. My first one-weekend DXCC!....W8TWA. Lost voice six hours prior to end of Test, each QSO was painful near the end!....W9ZRX. My dog chewed the rotor cable, had to repair it during a rainstorm....WD9CUG. I was ready, the gear was ready, wife left for the weekend—and then the power line noise came to stay....K9SD. Single-band 75, where the fun is in the challenge....K9JF. 25 years since my last CQ WW and I'll never miss another....K9BLY.

### **DX QRM**

Some problems on 40M; several European stations were probably using the same receiving frequency in the American phone band....DJ4PT. Worked about 2100 U.S. stations!....DK5WL. Glad to be contesting after 3 years absence....EA4LH. KL7JW came back on the first call!....G3FTQ/QRPP. This is the biggest CQ log I have ever written up!....G3FXB. Found 10 meters like I've never known it, and the QSLs that followed....GU4EON. First QRPP HF experience; in a word, Fantastic!....I4DLS. My first contest after 10 years from home QTH....DJ6QT. Thought I would give a few points away, but once started, could not tear myself from the rig....GW3UCB. I don't think some of the fellows believed that I was only running low power (5w PEP input)....VP9AD. "You are 5905", "OK, thanks-how does my signal compare with other G's?", "Fine, you are about 5 and 6!"....G3HTA. 3 new countries for a total of 188 QRPP....OA8V. You really regret that you were out chasing girls on Friday....SM0GMZ. Biggest fun ever had, lots of new U.S. counties....PA2TMS. Good propagation to USA on 40m, but jamming and BC QRM very heavy....JA2BAY. I had a snow storm during the contest, if I didn't have it, I could have 500 more QSOs....JA8SCD. Worked WAC in one day....JA7JND. Many stations picked up my weak signal, thanks....JA0VHK. Our first experience in WW test, thank you JA2YDC. The conditions are very good on 10 Meters....JI1KUV. I'm in love with 10 Meters....KA6DX. Fine contest. I have new country HD0E....UR2FQ. Thanks for the nice contest....UQ2GDQ. New American callsigns are easy to work in pile-ups. Good to increase the speed....UB5WE. Pse 2 point from JA....UK9ABA. First time joined to the biggest contest in the world and sure enjoyed it....RA9AKO.

### **Soap Box QRM**

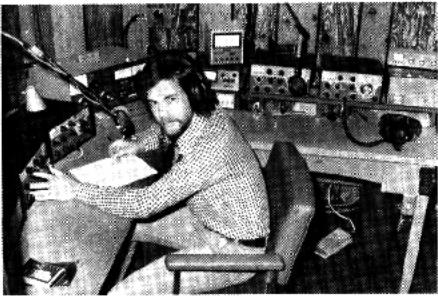
Bands were crowded, openings very good on all bands....VU2TS. Very exciting to be in contest, age 70 years licensed in 1930....VK5MF. Worked zone 2 to complete my WAZ....VK6NE. The Europeans never did come through on ten....KH6WF. Worked 1.8 MHz for 24 hours but fierce QRM so had only 24 contacts....KH6/LA. Used dipole in attic!....VE3KIU. As I was letting wire out of the window from 260 feet some turkey a few floors down started coiling it up!....VE3FAC. Was surprised to have a



ZX2XB handed out a nice prefix.



4X4UH, David put Israel on the Map



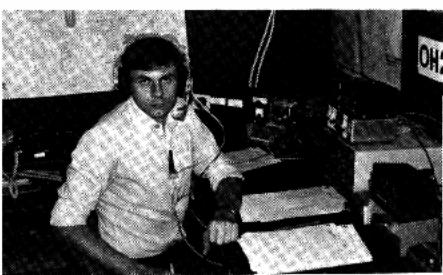
WA8ZDT at controls of W4DR.



EA2IA, Inaki always a FB signal.



Some of the Ops. at JA3YKC; L to R JH3PKS, JF3KJJ, JR3FNZ and Top, JH4ETH.



OH2MM, Ville had the high Europe All Band Score



IZ4VEQ: L to R I4LCK, I4VEQ, I4ADS, I4RYC, I4USC, I4ZSQ not shown I4LEC and I5NSR.

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

**Number groups indicate: QSO's/Zones/Countries on each band.**

**WORLD TOP SINGLE OPERATOR—ALL BAND**

| Station  | 160     | 80        | 40        | 20         | 15         | 10         |
|----------|---------|-----------|-----------|------------|------------|------------|
| 9Y4VT    | 31/5/6  | 247/12/25 | 436/18/60 | 1986/27/78 | 1363/27/76 | 2131/29/87 |
| EA0CR    | 29/4/12 | 317/13/49 | 481/20/69 | 1087/32/96 | 1236/28/85 | 1727/33/85 |
| CT3BZ    |         | 375/13/46 | 423/16/53 | 1146/28/84 | 1790/29/85 | 1593/25/75 |
| N1GL/VP9 | 56/6/8  | 271/15/42 | 226/16/44 | 1403/28/84 | 667/25/73  | 951/28/75  |
| 9Y4VU    |         | 107/9/16  | 178/11/37 | 657/24/68  | 815/26/64  | 1727/31/76 |
| OH2MM    | 9/3/7   | 67/8/32   | 171/14/51 | 503/32/84  | 1154/25/67 | 1309/28/77 |
| UB5WE    |         | 193/12/39 | 234/16/62 | 448/34/92  | 1258/28/78 | 751/28/84  |
| G3FBX    | 7/2/5   | 175/12/45 | 53/11/35  | 349/28/76  | 669/25/70  | 1775/30/74 |
| DK8FZ    | 6/2/6   | 270/10/50 | 154/13/48 | 494/27/79  | 958/23/74  | 990/28/68  |
| 0Z5KF    |         | 217/9/42  | 296/18/56 | 796/30/66  | 1019/25/59 | 664/27/50  |

**WORLD TOP MULTI-OPERATOR SINGLE TRANSMITTER**

|        |         |           |           |             |             |            |
|--------|---------|-----------|-----------|-------------|-------------|------------|
| FY7BC  | 4/3/4   | 187/13/32 | 402/20/56 | 1922/30/97  | 1137/27/93  | 2473/31/89 |
| RF6F   |         | 208/19/62 | 314/15/54 | 1727/37/122 | 1207/31/87  | 1400/29/86 |
| 9L1CA  | 1/1/1   | 61/11/19  | 137/16/30 | 1124/33/102 | 1856/30/96  | 2214/27/92 |
| IZ4VEO |         | 156/10/47 | 300/18/61 | 713/36/105  | 2046/35/102 | 1725/32/86 |
| YU3EY  | 53/4/15 | 217/13/59 | 175/16/64 | 933/35/106  | 611/33/101  | 2206/36/99 |
| YU2BBB |         | 254/8/44  | 431/24/78 | 702/33/105  | 1919/31/91  | 767/33/95  |

## **WORLD TOP MULTI-OPERATOR-MULTI-TRANSMITTER**

|        |          |           |            |             |             |             |
|--------|----------|-----------|------------|-------------|-------------|-------------|
| PJ9JR  | 37/5/14  | 758/17/62 | 1226/23/84 | 3918/35/135 | 4055/35/123 | 4616/32/111 |
| KH6XX  | 41/7/9   | 475/20/33 | 793/24/53  | 2089/36/113 | 3285/39/117 | 3908/36/104 |
| PJ8CO  | 78/5/13  | 518/12/47 | 516/16/54  | 4261/36/124 | 3949/34/111 | 3064/27/84  |
| EX9A   |          | 642/22/67 | 871/32/83  | 2951/40/149 | 2457/37/106 | 2312/33/111 |
| VE3KZ  | 388/8/15 | 826/18/52 | 803/23/61  | 1870/37/132 | 1707/33/111 | 1370/33/111 |
| VP2VER | 21/4/9   | 244/10/22 | 524/17/58  | 1888/31/93  | 2520/29/87  | 3504/25/82  |

**USA TOP SINGLE OPERATOR-ALL BAND**

| Station | 160    | 80       | 40        | 20         | 15        | 10        |
|---------|--------|----------|-----------|------------|-----------|-----------|
| W4DR    | 6/5/4  | 67/15/39 | 96/18/58  | 509/33/103 | 490/29/85 | 674/27/97 |
| N7DD    | 2/2/1  | 67/5/18  | 101/20/41 | 318/37/91  | 770/30/73 | 905/29/74 |
| K1XK    | 15/5/9 | 99/13/42 | 77/16/40  | 308/31/89  | 501/31/86 | 595/27/97 |
| W3BGN   | 10/4/6 | 60/13/33 | 85/16/37  | 367/33/94  | 340/24/77 | 568/28/96 |
| W9ZRX   | 12/5/5 | 55/15/34 | 106/22/58 | 229/32/82  | 578/28/83 | 361/28/88 |
| N2LT    | 10/4/5 | 47/13/29 | 65/18/39  | 281/32/91  | 296/28/78 | 661/27/95 |
| N3DA    |        | 51/15/33 | 82/19/54  | 239/28/84  | 245/28/71 | 490/28/94 |
| K6RR    |        | 30/10/10 | 117/13/16 | 190/27/73  | 743/27/54 | 511/24/51 |
| N3RD    |        | 36/12/26 | 53/16/38  | 341/37/102 | 350/31/90 | 291/30/80 |
| N6KT    | 3/2/1  | 58/11/16 | 48/15/22  | 76/23/47   | 589/26/64 | 806/25/61 |

**USA TOP MULTI-OPERATOR SINGLE TRANSMITTER**

|       |       |          |           |            |            |             |
|-------|-------|----------|-----------|------------|------------|-------------|
| K5GA  | 7/5/5 | 39/15/37 | 173/21/64 | 549/39/125 | 619/35/103 | 1057/33/111 |
| K1PR  | 3/2/3 | 94/17/54 | 164/20/63 | 425/28/101 | 486/31/95  | 683/28/93   |
| K8NA  | 4/3/2 | 68/13/41 | 123/23/70 | 476/35/116 | 430/29/105 | 379/28/93   |
| K0 UK | 8/6/5 | 98/16/32 | 159/20/45 | 218/38/89  | 937/32/79  | 323/27/72   |
| W6BH  |       | 31/10/15 | 198/21/38 | 188/29/72  | 842/32/71  | 720/27/69   |
| N6MG  | 4/2/2 | 53/11/14 | 171/17/34 | 166/31/68  | 582/27/63  | 736/27/62   |

#### **USA TOP MULTI-OPERATOR MULTI TRANSMITTER**

|       |         |           |           |             |             |             |
|-------|---------|-----------|-----------|-------------|-------------|-------------|
| N2AA  | 44/8/17 | 390/21/67 | 278/23/73 | 1160/39/140 | 1366/33/128 | 1292/33/128 |
| W3WJD | 33/7/16 | 428/19/64 | 225/23/73 | 1077/39/148 | 1533/35/134 | 1029/35/118 |
| W7RM  | 32/7/77 | 247/18/34 | 468/23/59 | 997/39/129  | 2475/35/92  | 1075/30/94  |
| W2PV  | 69/6/13 | 544/17/64 | 296/21/57 | 1200/37/133 | 1287/33/123 | 929/33/123  |
| W3MM  |         | 328/18/59 | 200/22/66 | 877/37/127  | 944/34/122  | 967/33/118  |
| W1ZM  | 33/7/16 | 280/16/51 | 239/21/68 | 615/35/113  | 1034/35/120 | 918/31/107  |

pileup of JA on 75 meters... VE7CMR. VE3BWK/4U was a long sought country and zone... VE7AJ. Love those pileups!... VE7CMK. First SSB contest, hope 10 meters is better next year. High cold winds knocked out all antennas except 10 and 2—too cold to repair... CF8CC. The new US prefixes played havoc with my check sheet. The main object of the contest was achieved. I had a ball... ZK6VU. I will return to JA in two weeks. Have enjoyed contest from Nairobi... 5Z4PV. Was surprised at amount of activity on ten. If I had known would do so well would have tried for world record!... VS6BNZ. Big thrill to be able to operate in India—now headed for HZ land... VU2ACD. Very difficult to get through QRM barefoot... VU2GO. Was giving my call as JA2HI when someone reminded me I was in VU!... VU2HI. Saturday and Sunday are working days here makes contesting a problem... .9K2EX. It seems to me that JA's are a very thick wall... JD1ALM. Murphy strikes again—During week before contest 10 meter condx. were great—during contest only so-so... KH6WF. A real thrill to have such cooperative guys. If this score doesn't win I can't do any better, conditions to USA were very good... VR3AH. Three power failures during first day! Wish US would identify DX call before working him—too many dupes... H44DX.

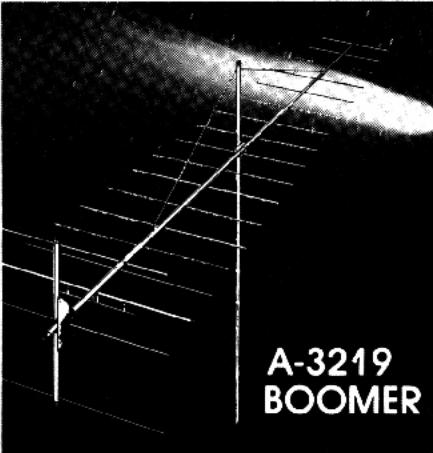
## **STATION OPERATORS**

## **Multi-Operator Single Transmitter**

AA4DR & WA4MDS, 2 M. NEI. **AB4H** & AAA4A, AA4KT, AA4H, AA4TP, AA4TN, N4R  
 K4VZZ, WB4RRJ, WB4QLT, N4TN, K4LSP, K4LN, W4JD, **AD9Y** & AD9Z, **C6A/W4NT**  
 & W4GTS, W4PPT, K4NQY, N4RJ, N4ZS, WB4AXN, WB4ZNH, **CE2AA**: CE2MH, CE2CC,  
 CE2HN, CE2GK, CE2AH, CE2BJ, **CF1RY** & VE1CCC, **CF3VM** & VE3CKF, VE3CPU  
 VE3FZW, VE3IJC, **CG6WO** & VE6KV, VE6BNX, VE6OY, **CT2ARA**, CT2AO, CT2AX  
 CT2BT, CT2CC, CT2CE, CT2CI, CT2CJ, CT2CM, CT2QN, CT2SH, **DF05AS**: DL8CH,  
 DL8CM, DL8FR, DL8HA, DL8KD, DL8DC, **DJ8RI** & DJ6KH, DF3BV, DF3BU, DKB8E  
**DK0KU**: CLUB, **DL7PD** & DJ0UP, **DL0JK**: DK2XX, DK2LZ, DK6FT, **DL0UE**: DL3UJ,  
 DK2SS, DL8RL, DF2OU, DF3AV, DJ7MG, DL7BI, **DL0WU**: DJ4AX, DJ8SW, DK4EM  
 DK4TP, DK6JZ, LD9Y, DL9GSA, **DM2AYC**: DM2AAC, DM2BHC, DM3IC, **DM2CBB** &  
 DM4VEB, **DM3CK**: DM4OXH, DM5VVFH, **DM3GM**: DM3BGM, DM3SGM, DF2BMJ  
 DM2AGM, **DM3LP**: Ponetka, Hahn, **DM4CN**: CLUB, **EAE6T** & Ju. Sintes Pujol, **EAJ8U** &  
 EA8AT, EA8BX, EA8MO, EA8ND, EA8RT, EA8RU, **F2LY** & F6BDN, F6D0X, F6DQG  
 F6DYK, F6EDM, F6FIO, **F5II** & F6ARC, F6BFH, F9IE, **F0UDS**, F6DLDM, **F6KAW**: F6AUO  
 F6FBQ, F6BPX, F6ASS, F6AOJ, F6ALX, **F6G0EID/F5**: K7GEK, WB7WBH, **F7BC** &  
 F7YBG, F5Q0Q, F2Q00, **G3KMI**: G4GUO, G4BSQ, G4E5C, G4K8V, G4AEQ, G3ZYW  
 G8Q0V, G8GKQ, G8PXi, G4BIX, G4DZC, **G4BRA/P**: G3YMC, G3XVR, G4DDL, G3WTM  
 G4VC, **G6CW**: G3YUT, G4ANS, G4HNS, G4AFJ, G3TVY, G4EKW, G4CKG, G8PSR  
 G80UA, GBOSK, G8FRB, G4EAN, G8KJH, **G6UW**: G3YZO, G3ZAY, G4BAH, G4FAM  
 BRS-32525, Joan, **G8JC**: G3UDR, G3Q1D, G3QZQ, G4BYB, G4DXD, G8ASO, G8NSL  
**HA3HKH**: HA3GO, Szarka, Gelencser, **HA3HKC**: Borsfoldi, Kardos, Kormendy  
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 HA7UF, HA7SH, Adamecz, **HA9KOB**: HA9RU, HA9PV, HA9RB, Laki, HA9KS, **HA9KLE**

HA0MJ, Venczel, Devenyi, Tomasovsky, Fabian, Szalontai, **HB9AUS** & HB9NHD, HE9ASD, HE9HWS, HE9EEX, HB9PGI, **HD9E**: HC5AT, HC5EA, HC5DP, HC5EE, HC5GL, HC5JN, HC5NW, HC5PC, **HG5A**: HA5GF, HA5FN, HA3NU, HA5FM, HA5OM, Voros, **H3KAXT** & **H3KT**, HK3AFD, HK3CFM, **HK4RCA**: HK4CKT, HK4DBX, **IHKN** & W3US, 11LBH-11JJZ, 11FXN, 11ANP, 11SBU, 1W1P, Lorenzelli, **IUW** & 11ANF, 1DIE, 11SDG, 11GJC, IIGUB, I1PCT, 11RBP, 11RIN, 11VZV, 11XXM & 11ZEU, 11HAG, 11PHX, **IN3AHO** & IN3QBR, IN3ANE, IN3RWH, **IS9BYB** & IS9DTD, **I24VEQ** & 14ADS, 14LCK, 14LEC, 14RCY, 14USC, I4ZSO, 15NSR, **JAA2YDC**: Ryu, Atsu, Yasu, Ree, Jun, Kazu, Mitsu, Syo, Ken, Yuki, Yoko, Toshi, Paul, Harry, Uto, Ben, Steve, Munro, **JAA2YKA**: JH2QXG, JR2PZX, JR3URO, JA4UDP, JH4TCM, JA5JSR, **JAA4YFH**: JH3XCU, JA4XKL, JH4DIT, JH4SQU, **JAA4YPE**: JH3BNJ4, JH6AZL4, J4RYWR, JF3EGT/4, **JAD6YCU**: JH6OCF, JH6OKK, JH6ECP, JI2ECU/6, **JAY7YCQ**: JA7RQK, JH7CUC, JH7IMX, JI1OFP, JI1FLB, JG1SLY, JA0SLY, JH7OMG, JI1CSE, JH7UJ, JH7XZ, JH8GTC, JH8BZR, **JAY7YFB**, JH7PVM, JH7LT, JH7WF, **JA0AYK**: Shibayama, Asai, Tahaka, Kanazawa, Imaizumi, Kawamukai, Tanic, **JF1YID**: JA1DNZ, JA4EIQ, JA7AKQ, **K1PR** & K1TO, K1XM, WA1MAO, WB3BSV, **K1RU** & K1YR, K1GSK & K1KGJ, N1AU, WB1AE1, **K2CC**: AB2L, K2IA, N2AKT, WA2MYU, K2FL & KA2BAO, K3PA & K3YL, K3RA & K3KP, WB3AVN, WA3VUQ, **K3MSME** & WA3FZQ, **K3WX** & WB3JRU, **K4HEX** & WA4DLY, WD4EXG, WD4GCE, WA4RTS, W4WVW, WB4YVD, **K4KQJ**: WA2VMY, N4AFP, N4BS, KA4EIY, WD4HPL, WI4GI, WA4IVW, WD4KOG, WD4LWH, WA4DEB, WA4PAB, WD4SIH, KC4T, WA4UQA, WA4JQI, WA4WVY, WB4ZKC, **K4P1** & 2M Net, **K4VX** & K4IOH, K4EP, K0CMF, **K4ZGB** & WA4ENJ, WB4LIB, WA4LTG, WB4N2U, WB4ITB, WA4AUX, WB4UDE, NA4ZJ, **K4AC** & 2M Net, **KD4M** & KD4S, K4WSB, WD4CNO, W4GKF, KA4EKA, **KG4KG**: W6QL, W6KG, K5GA & K5LZO, K5RC, K5TM, K5ZD, **K5KG** & AD5W, W5SSJ, **K6MEP**: N6ADI, N6VR, WB6GNS, WB6JZL, K6VMN, WB6DJS, **K6QX** & WR6ACZ, K6YK & WR6ACZ, **K6ZM** & K6CLV, **K7TM** & K7FR, **K8AZ** & K8ND, 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W5WMU, **N6MG** & WA6PGB, WB6ACZ, **N7CY** & WA7RVA, **N7RO** & W7DQM, WB7DYB, W7EKM, WA7ZWG, **N8RA** & N8AD, WB8LII, K8WW, WB3BZWR, **0G4AB**: OH4QN, OH4TO, OH4TP, OH4TS, OH4TH, OH4SL, OH4UI, **OH1VR** & OH1LX, OH3XZ, **OH2AA**, OH2BRW, OH2BQZ, OH2BOS, OH2BNI, OH2BNJ, OH2BRY, OH2BNP, OH2DS, OH2BQ, **OB**, **OH3AA**: OH3TQ, OH3WS, **OH4RH** & OH4OO, OH7SX & OH7UE, OH7UH, OH7VR, **OK1KFC**: CLUB, **OK1KKHP**/p: OK1VK, OK1ABB, OK1FIM, DK1MDK, **OK1OK**: CLUB, **OK1KQJ**: CLUB, **OK1KSO**: OK1KAEZ, OK1WT, OK1JWA, OK1JCW, OK1MF, OK1ADH, **OK1KTW**: CLUB, **OK1KUR**: OK1AET, OK3CLD, OK3CLF, OK1AYE, **OK2KAT**: OK1STU, **OK2KNP**: OK2BEF, OK2BSA, OK2SGW, **OK2KPS**: CLUB, **OK3KAG**: OK3ZWA, OK3CMS, OK3-26743, OK3CR, **OK3KAP**: CLUB, **OK3RMW**: OK3YCM, OK32TW, **OK3VSZ**: OK3ZAF, OK3AS, **ON6MP** & PA0MPM, ON6NL, MP/XYL, **OT5J** & OY8KH, **P1A1RS**: Kanon, Wittebol, PA0HTR, **P11KMA**: Timmerman, PE1AVT, Slager, RF6F, UB5EC, UB5MCI, UB5MDC, UB5-059-22, UF6HV, **SK2GJ**: CLUB, **SK3AH**: SM3AFT, SM3AJL, SM3COL, SM3EAP, **SK3HK**: SM3AFR, SM3CER, SM3DXC, SK4EA, SM4BX, SM5EAI, **SK6AO**: CLUB, **SK6AW**: SM6FMC, SM6HGX, SM6VG, **SM5ADE** & SM6BJI, **SM5AZU** & SM6MC, SM6ATN, **SP1PBW**: SP1AHU, SP1AMU, SP1JPO, SP5PWPK, SP5AWV, SP5BSV, SP5BT, SP5CJT, SP5CLK, SP5DZI, SP5DZJ, SP5DZR, SP6KSF, SP6GABX, SP6AXW, SP6BFD, **SP6PZB**: SP6FAF, SP6FHJ, **SP7KAN**: SP7FDR, SP7CBN, SP7JWA, **SP9KCB**: CLUB, **SP9PDF**: CLUB, **SP9PDG**: SP9-2291, SP9CSW, SP9IFQ, **TF3JB** & TF3CW, **UK1ABR**: UW1CX, UW1BG, **UK1ADR**: Suharev, Podavalnikov, Sorokin, **UK1TAR**: UA1TQ, U9-090-117, **UK2AB**: Kosarev, Zinkevich, **UK2AAP**: Bilechenko, Shudakov, Traevskiy, **UK2BAG**: UP2BAA, UP2BAAE, UP2BCG, UP2BZ, **UK2BAS**: UP2PAJ, UP2-38-609, **UK2BBB**: UP2BAS, UP2BAW, UP2BBB, UP2PX, UP2-38-517, UP2-38-727, **UK2BCG**: UP2PCB, UP2BF, UP2BFI, **UK2PAO**, UP2-38-574, UP2-38-628, UP2-38-440, UP2BEJ, UP2BFU, UP2PAQ, **UK2PAP**: UP2OX, UP2PAX, UP2BCI, UP2-38-1553, **UK2PCR**: UP2BCR, UP2BCT, UP2BDF, UP2BEG, UP2BFL, UP2-38-1541, UP2-38-728, **UK2B0L**: Stobias, Abols, Abol, **UK2GW**: U202N, UQ2-37-134, UQ2-37-1035, **UK2RAO**: Lepp, Liivrand, Soone, Varjo, **UK3AHH**: Kuheeshov, Solnech, Zhukov, Dobrojubov, Kazarnovsky, Kustovsky, **UK3ABB**: UW3FI, UA3XAC, UA3-170-885, UA3-170-888, UV3CC, UA3AKE, UA3ABZ, **UK3ABO**: UV3GM, UA3-170-189.

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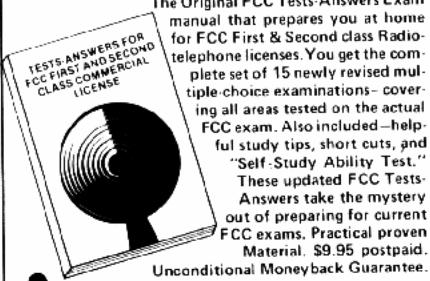
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UA3-170-796. **UK3ACO:** UA3GC, UA3AGC, UK3ACW: UA3AEZ, UA3ABD, UA3ADY, UA3-170-566. **UK3DAU:** Nikolaevich, Nikolaevich. **UK3DBM:** UA3QDW, UA3QDR, UA3QBX, UA3OCU, UA3OES. **UK3TBF:** Kuznetsov, Letkov, Sidorov. **UK4ABW:** UW4AK, UA4-156-599, UA4-156-589, UA4-156-591. **UK4FAD:** UA4-148-32, UA4-148-200, UA4-148-286. **UK4SAM:** UA4-91-127, UA4-91-55, UA4SAM. **UK4UAC:** UA4UAC, UA4-92-47. **UK4WA:** Markov, Kuznetsov, Mohov, Morgunov. **UK4WAB:** Baranov, Krylov, Sakerin. **UK5IBB:** UB5-73-1615, UB5JK, UB5-73-209, UB5IHO, UB5-73-1615, UB5-73-2887. **UK5JAD:** Grene, Vlasov, Volkov. **UK5LAS:** Kapustina, Gordieko, Linnova. **UK5MAG:** UB5MBP, UB5MDL, UB5MDP, UB5-59-11, UB5-59-610 1. **UK5MBE:** UB5MEG, UB5MHE, UB5MGP, UB5MK5, UW5WE, RB5MHE, RB5MNJ, UK5MBF: UB5MAB, UB5MHD, UB5MDG, UB5MBV: UB5MFR, UB5-59-010, UB5-59-7. **UK5MBQ:** CLUB, UK5MCJ: CLUB, UK5MC0: Maldanov, Shinkarenko. **UK5MDI:** UB5MBM, UB5MJS, UB5-59-57. **UK5QAY:** Zlenko, Dedich, Tarasenko, Nikitin. **UK5QBE:** UB5QBG, UB5QAV, UB5-64-900, UB5-64-37. **UK5UBB:** UB5-65-271, UB5-65-512. **UK5UBF:** Pidlysh, Treus, Evluchenko, Zolnik. **UK5WAG:** UY5XB, Alexeyev, Nozdrin. **UK6LEZ:** Gamzelev, Kibitsky, Indienko. **UK6LKP:** UA6LLT, UA6-150-331, UA6-150-330, UA6-150-420. **UK6QAA:** Siniarsky, Pavlushevko. **UK6QAD:** Glushan, Kulish, Vorotnikov. **UK6WAA:** UA6WBV, UA6-86-104, UA6-86-147. **UK7LAF:** UL7-26-304. **UK7NAG:** UL7NAC, UL7NAL, UL7NAT. **UK9ABA:** UA9ACN, UV9AK, UV9AX, UW9AF, UW9BC. **UK9CCC:** UA9-154-1057, RA9CMV, UA9-154-1043, UV9CI. **UK9OB:** UA900, UA9-145-217, UA9-145-426. **UK9UAD:** UA9UGS, UA9UOB, UA9-130-177, UA9UKM. **UK9XAA:** Chegesov, Schvets, Izmailov. **UKD AAB:** UA9ADR, UA9AFQ, UA9-103-114, UA9-103-290, UA9-103-373, UA9-103-90, UA9LAK: Shchekunov, Mizoshchenko, Schekunov. **UKD SAA:** Smirnov, Syscer, Kalmikov, Mamontov. **VE1/WB2RLK:** VE1AH, VE1MX, VE1UNB: VE1BCZ, VE1BEC, VE1BHA, VE1OT, VE1BJC, Al, Ralph, VE3JD0 & VE3JGT, VE2DZE. **VE3KPA:** VE3KQS. **VE4AA:** VE4AH, VE4SN, VE4EW, VE4AE, VE4SW, VE4AT, VE4MP, VE4XJ, VE4RP, VE4SA, VE4SL, VE7VCC: VE7BOF, VE7DCQ, VE7DFO, VE7DGU, VP1R: W4SME, W4BSO, VP9DX: VP9HP, VP9IV, VP9IW, VP9HK, VP9JA, VP9JC, W1BK & WA1VAR. **WA1VMU:** CLUB, W1XX & W1JKS, W1OD, W2AEE & WA2ARF, AE2B, WA2KVE, WA2ZKY, WB2SVF, W2JD & WB2PGC, WA2TXH, W2KI & K2PO, W2UI & N3KR, W2XL & WA2KTR, WA2MBB, WA2OOL & WB2ONW, WA2VEE & WA2OOX, W3GL & W3HB, W3GRF & WB3GCG, W3HRD & WB3FHO, WB3FSB, WA3NAN & K3ON, WB3ANV, WA3NN, 2M, NET, WB3KFI & WB3KFJ, WB3KFH, WB3KHL, W4E1 & WB4BZR, WB4DBK, W4LVM & 2M, NET, W4MGX & 2M, Net. **WA4MAV** & WA4PKF, WA4PUJ & WA2MBP, WA4WYN & WA4WPO, WB4FOT & WA4PAB, WA4LSD, WB4LSG, WA4YVN, WA4YOF, WA5SUE & K5OAZ, WB5VCE, W6B & WA6IQM, W6BIP & WA6DJ, WA6PYN, W6CFK & K6TXR, W6VLD: WA6DPO, N6KN, WA6HJK, WA6EJM, K6TXA, W6YMW, WB6ZSU, WB6ICK, W3CEO, W6YRA: A16K, WD6BAY, KB6AO, WA6TKO, WB6LHO, WA7NIN & K7OX, WA7ZLC & K7WA, K7LXC, K7V, WA7UQV, WD8PNF & AC8N, WB9VLV & WB9WGM, WB9WIP, WD9DEE & WB9QCY, W0SD & WB0PJB, K0SD, WB0SMV, W0GKE, WB0M2B, AC0M, WB0YMR, N0AOZ, N0AIT, WA0UFS, WA0QWY & KA0CRO, WB0SNG & WB0SNH, XE1OW & XE1ADS, XE1ADU, YD4KBN: YO4CT, YO4Y, YO8KBW, YO600, YO600, YO6EJ: YO6BJO, YO6ND, YO8KANP: YO8ME, YO8MI, YO8GV, YO8KGZ: YO8AEU, YO8AXN, YU1AJD: Dick, Zuki, Nick, Jordan, YU1BCD: YU1ODO, YU1ODS, YU1OQI, YU1OQZ, YU1OQB, YU1NZV, YU1ZPA: Ben, Bob, YU3EY & YU3DM, YU3FK, YU3TBW, YU3TCB, YU3TU, YU4JLM: YU4-RS-2105, YU4-RS-2150, YU4-RS-2121, YV5GRD & YV5AGS, YV5HCS, YV5HBV, YV4VS, Adolfo, YL1AZV & ZL1AXB, ZS6TJ: ZS6BQU, ZS6WW, ZS6BWQ, ZS6BOC, ZS6J, ZS6BPE, ZS6BOJ, ZS6IW, ZS6RC, ZR6IJ, ZR6JI, ZS6ZA, ZS6BRZ, ZS6AQU, ZR6NR, ZS6ARE, ZR6LO, ZS6L, ZR6MM, ZR6ND, 4M5UCV: #22015, 24978, 22411, 24974, 18560, 4U1UN: W2PK, W2QM, K2YJ, N2UN, N2KW, W2YY, YO3JW, K2FC, HB9RS/W2, 4Z4SG: 4Z4KX, 4X4IA, 4Z4WQ, 4Z4NXI, 4Z4WS, Ron, Dudi, Sam, Yaron. 9L1CA & EL2EU, WB2CHO, 9L1KB, 9L1WS.

## STATION OPERATORS

Multi-Operator Multi-Transmitter

**AD3V** & **W3NX, CF2YM2:** VE2AUF, VE2HG, VE2JQ, VE2YM. **DL0II:** DJ2YE, DF1EA, DL3MV, DJ8EX, DJ4TJ, DK7JC. **DLOPG:** DF1QO, DJ1FC, DJ6TK, DK1QV, DK2QL, DK3BJ, DK5JL, DK6QA, DK9JL, K9AXIDU & WB4ZNN, K5FSW, K3SWH, WD4KMD, WB4SN, WB3II, Debelias. **E1INR** & **E1IFK:** EA1HG, EA1LM, EA1LO, EA1MI, EA1MQ, EA1NQ, EA1VG. **EA0CU:** EA8CU, EA8CY, EA8HJ. **EX9A:** UL7LEZ, UA9ACZ, UA9AE, UA9AIS, UA9AN, UW9BY. **HH2CQ:** HH2MC, HH2K, K4UTE, N4UF, N4KE. **HP1DX:** HP1CY, HP1GV, HP1KC, HP1TS, HP1PM, HP1YY. **JH12LA:** JA1KSO, JE1GUP, JE1OMO, JF1BU1, JH1DTC, JH1OCO, JH1XR, JH1JFO, JH2IRH, K7JA, JA2YEF: JF2DUS, JF2GNY, JH2XMM, JR2JUE, JR2PVI, JA0UEX, JA2YXV: JA2MQJ, JH2AIX, JH2BUS, JH2KTY, JA3YBF: JE3MCC, JE3OPD, JE3PFD, JF3ELY, JF3JCT, JF3MTT, JF3NAL, JH3KIL, JH3NFZ, JH3PTH, JR3AJZ, JR3IOT, JR3UPO, JH3TWS, JH4CES, JH4DHX, JH6UBZ, JH6FQP, JA3VKC: JR3SQU, JA3ODC, JA3REU, JE3KCK, JE3MXQ, JE3KJJ, JF3SFP, JF3XPH, JH3AI, JH3FIQ, JH3JBR, JH3KWO, JH3PZR, JH3PR, JH3VOT, JH3BK, JH3RIU, JH3XGK, JH4ETH, JA5GZB, JA5TDH, JA8VXM, JA9UDU, JA4UBU: CLUB, JA4YVL: JA4BKL, JA4CZM, JA4FUQ, JA6YBR: CLUB, JA7YAA: JA7KPK, JA7UQA, JH7WTC, JH7AEF, JH7DVK, JH7IMN, JR7DQN, JA7JRV, JH7SFC, JH7SFY, JG1UJD, JE1SRK, JA7LMK, JA7WBW, JH7WHM, JA7YRR: JA7CFB, JA7CLN, JA7CX, JA7CV, JA7JUD, JA7WSC, JH7MEV, JH7MEX, JA9YAA: JA5NQ, JH7UMC, JA8SH, JA8ULV, JA9GAD, JA9KTR, JA9LPT, JA9OFJ, JH1YDT: JH1GNU, JH1SBE, JH1AOQ, JH1FNR, JE1BME, JE1QMV, JF1ASB, JF1DMQ, JE1AL, JE1EPK, JF1ODO, JI1SHX, JH1RJU, JA0VSH, K1K & K1RQ, WI1U, K1RX, AB1Y, K1DG, W1PH, K2NJWV9: K2N, K4LDR, K3II & W3VA, WB3EFW, WB3FVJ, K3WW & K3WJV, N3ED, W3EX, WA3YOB, WB3FY, WB3FZ, K4CG, K3WUU, WA3ZJ, N4MO, WB4BQX, K5JA, AG5N, K5FU, K5MR, K5RX, KA5COH, NSMP, NSRZ, N5TR, WB5PBZ, WB5PIP, WB5EW, WD5GNQ, KBLX & K8GM, K8MD, N8EA, N8BM, W8WD, WA8TBQ, WA8YVR, WB8ALP, WB8AYC, KBLX & AE6E, AH6Z, G3VZT, KBLW, K7SS, N6ZV, N7ZZ, WH6ABM, W7EJ, KL7HR & AL7AF, KL7AZ, KL7FAP, KL7JUN, KL7VX, KL7IWE, KL7IXZ, KL7RA, KL7UN, KL7IRT & WA4LJJ, AL7AK, KL7ENY, KL7IKP, KL7JEH, KL7JHK, KL7JHN, WL7ACY, WD0FIR, N2AA & K1KI, N1XX, W1PM, K2GL, K2BQ, K2NG, K2SS, K2T, K2UR, N2VT, WA2SB, WB2VYA, OH1AA: OH1IG, OH1JP, OH1LW, OH1NH, OH1NM, OH1NQ, OH1TV, OH3ZE, OH5UX, PI1VKL: CLUB, PJ8CO: K1CO, W1XK, K2MM, K2TR, K2WR, PJ9JR: K3EST, K3NT, K3NA, K3RT, W3AZD, WA3ZAS, K4VX, N4MM, N4RV, PJ2AAK, PJ2ARI, PJ2FR, SK2KW: SM2CPF, SM2DCF, SM2DMB, SM2DUM, SM5EMK, SM2HAK, SM2HGL, SM2HTF, SM2HZQ, SM2IXM, SM0DGU, SM0GMG, SM0GNU, SP2ZFJ, SP2AGM, SP2JUW, SP0078/EL, SP015/EL, SP6PAZ: SP6DVP, SP6FJG, SP6HAY, SP6HEK, SP6IGQ, SP6JYQ, UK4WAR: Fomin, Fomin, Islamor, Lapin, Oshnolikov, Shevtsov, Vasilev, Yarmilov, Zapolski, Zagurnennov, UK5IAZ: UB5-73-1151, UB5-73-342, UB5-73-1619, RB51XF, UB5-73-1474. **UK5IAZ:** UB5-73-837, UB5-73-470, UB5-74-113, UA6-101-152, UA6LO, **VE3KZ** & **VE3AKG:** VE3BVD, VE3EDC, VE3ENM, VE3FFA, VE3FRA, VE3IXE, VE3KNX, G3YBH, **VP2VER:** N6CW, N6RA, N6ZZ, W1ZM & K1VR, K1ZM, WA1QGT, K2DM, K2ZM, K3ZM, K9ES, **W2PV** & K1AR, K1EA, K1FWE, K1SF, N1TZ, K2OF, K2V, K2XA, N2HR, WB2QDP, **W2YV** & K1TA, K2NN, K2OY, N2NT, W2YX, **W3AA** & **A3AB**, K3OA, K3RL, W3BI, W3GM, WA3VPO, K0VCK, **W3AU**: & CX1EK/W4, DK5AD/W3, WA3TAI, WA3UPH, WB3DNL, **W3FA** & **K3Z2**, N3GB, W3XY, WA3KCY, K8II. **W3KWH** & **K3MD**, K3RYA, K3TP, W3IOH, W3SVJ, W3TVB, W3UI, W3WHY, WA3BOH, WA3FWA, WA3FYJ, WB3BRY, WB3CXD, WB3EHQ, WB3FWC, WB3HDJ, K0BUD13, **W3LP1** & **K3AO**, W3MR, WA4CAD, W6AXX, **W3MA** & **W3DHM**, **W3MM** & **K1PT**, K3GM, K3OO, N3BB, N3VY, WA3VYD, **W3WJD** & K2BU, K3VV, W3RJ, W3XU, WA3LRO, **W4BVV** & **K3KU**, K3NPV, W3Z, WA3AMH, K4GKD, K7ZZ, **W6RDF**: K6X1, N6KA, N6ND, N6ZI, WA6EJL, WD6EQI, W7KH, W7KW & AA7A, K7GM, N7CJ, N7MW, N7NR, N7RT. **W8BAP** & **A8AC**, K8BKT, K8ABUF, WB8BBP, WB8GZL, WB8JOJ, WD6BGF, WD8BGL, WD8BGM, WD8KVN, WD8NTB, **W9YH**: AD90, K9GL, K9MK, K9VV, WD4CTG & WA4ADP, WA4LWL, WD4RIM, ZF2BC: K4VYN, W4YKH, WD4AXM, ZL3HIC: ZL1ABS, ZL1ADI, ZL1AJL, ZL1AMO, ZL1BKL, ZL2AH, ZL3NR/C, ZL4NF, 5K3SB: HK3DEV, 4U1TU: K1Z, W2QD, W3JPT, OH2KH, SM0CKV.

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| 2. OA8V     | 367,872 |
| 3. WA4IAR   | 182,400 |
| 4. W6PQZ    | 143,100 |
| 5. DL8PC    | 109,736 |
| 6. K4JRB    | 103,572 |
| 7. PA0HLM/P | 61,560  |
| 8. G3FTQ    | 59,796  |
| 9. W5YZ     | 57,640  |
| 10. F9YZ    | 46,080  |

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**K1HMO 273,780 365 78 192**

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|------------------|----------------|-------------|-----------|------------|-----|------------------|---------------|----------------|------------|-----------|------------|-------------|-----------|----------------|------------|------------|------------|
| K1RB             | "              | 3,984       | 33        | 13         | 31  | N9RR/2           | "             | 279,910        | 432        | 61        | 169        | N3UN        | "         | 1,019,565      | 874        | 107        | 310        |
| K1KNQ            | "              | 2,590       | 27        | 12         | 23  | N2KT             | "             | 275,198        | 423        | 67        | 161        | WA3SKH      | "         | 863,580        | 856        | 96         | 274        |
| <b>N1MM 28</b>   | <b>429,704</b> | <b>984</b>  | <b>34</b> | <b>118</b> |     | <b>W2LEJ</b>     | <b>"</b>      | <b>227,824</b> | <b>356</b> | <b>63</b> | <b>169</b> | <b>N3RL</b> | <b>"</b>  | <b>789,144</b> | <b>720</b> | <b>106</b> | <b>287</b> |
| <b>WA1UZH</b>    | <b>271,545</b> | <b>729</b>  | <b>29</b> | <b>100</b> |     | <b>W2REH</b>     | <b>"</b>      | <b>218,943</b> | <b>315</b> | <b>70</b> | <b>173</b> | <b>K3NZ</b> | <b>"</b>  | <b>737,137</b> | <b>741</b> | <b>98</b>  | <b>255</b> |
| K1TN             | "              | 261,625     | 28        | 26         | 97  | W2AUB            | "             | 211,029        | 296        | 86        | 187        | N3II        | "         | 726,293        | 711        | 104        | 263        |
| WB1DGG           | "              | 258,080     | 699       | 28         | 99  | N2GC             | "             | 209,530        | 338        | 66        | 164        | WA3DSD      | "         | 672,324        | 661        | 95         | 263        |
| WA1HFN           | "              | 242,555     | 601       | 32         | 107 | N2VW             | "             | 191,970        | 303        | 75        | 162        | N3OA        | "         | 671,127        | 683        | 92         | 257        |
| WB1ANT           | "              | 175,972     | 556       | 29         | 87  | W2OY             | "             | 137,058        | 293        | 45        | 114        | W3FV        | "         | 580,606        | 649        | 93         | 233        |
| K1LWI            | "              | 173,271     | 540       | 27         | 84  | K2PA             | "             | 119,381        | 239        | 56        | 137        | K3MWV       | "         | 553,668        | 576        | 99         | 249        |
| K1SA             | "              | 89,000      | 313       | 26         | 74  | N2CQ             | "             | 117,950        | 238        | 53        | 122        | KA3BKR      | "         | 540,540        | 735        | 72         | 168        |
| WA1OUB           | "              | 80,391      | 221       | 30         | 78  | AE2A             | "             | 107,184        | 246        | 43        | 111        | K3KA        | "         | 525,742        | 589        | 93         | 236        |
| WB1EUB           | "              | 72,280      | 252       | 26         | 78  | K2YGM            | "             | 106,403        | 219        | 50        | 125        | W3GU        | "         | 502,216        | 624        | 83         | 203        |
| K1OT             | "              | 71,208      | 294       | 24         | 62  | W2FGY            | "             | 99,925         | 212        | 52        | 123        | W3UJ        | "         | 494,865        | 566        | 85         | 230        |
| WA1FCN           | "              | 31,878      | 146       | 22         | 55  | K2BDE            | "             | 76,664         | 195        | 46        | 102        | K3D         | "         | 477,855        | 551        | 89         | 244        |
| W1CNU            | "              | 24,895      | 133       | 21         | 44  | K2BK             | "             | 73,059         | 186        | 42        | 105        | W3GND       | "         | 468,072        | 581        | 91         | 206        |
| N1AN             | "              | 23,800      | 123       | 23         | 47  | W2HAZ            | "             | 51,512         | 136        | 46        | 92         | WA3RSK      | "         | 450,017        | 533        | 99         | 249        |
| WB1CPW           | "              | 14,148      | 95        | 16         | 38  | W2AYJ            | "             | 47,520         | 142        | 45        | 87         | K3SA        | "         | 441,712        | 508        | 81         | 223        |
| A01Y             | "              | 6,720       | 75        | 6          | 24  | W2NS             | "             | 43,660         | 135        | 41        | 77         | K3WOK       | "         | 362,026        | 472        | 78         | 188        |
| W1CTR            | "              | 3,596       | 46        | 10         | 19  | K2JF             | "             | 37,851         | 121        | 39        | 72         | K3IU        | "         | 356,983        | 498        | 69         | 184        |
| N1RI/1           | "              | 2,610       | 33        | 11         | 18  | N2KA             | "             | 36,421         | 116        | 42        | 79         | W3KT        | "         | 318,662        | 427        | 83         | 191        |
| <b>K1VTM 21</b>  | <b>616,572</b> | <b>1332</b> | <b>36</b> | <b>126</b> |     | W2SDO            | "             | 34,680         | 122        | 35        | 67         | W3GK        | "         | 302,080        | 419        | 71         | 185        |
| <b>K1RM</b>      | <b>543,063</b> | <b>1174</b> | <b>35</b> | <b>122</b> |     | W2PFO            | "             | 30,349         | 122        | 28        | 61         | N3BE        | "         | 281,231        | 424        | 70         | 163        |
| K1MM             | "              | 403,004     | 981       | 33         | 115 | K2MN             | "             | 14,878         | 63         | 31        | 55         | W3HAD       | "         | 248,103        | 265        | 63         | 180        |
| WA1PSI           | "              | 44,280      | 188       | 23         | 67  | K2MQ             | "             | 12,084         | 60         | 27        | 49         | K3MA        | "         | 243,542        | 388        | 62         | 159        |
| WB1GDY           | "              | 7,280       | 65        | 14         | 26  | W2FDE            | "             | 8,640          | 68         | 11        | 34         | W3AZ        | "         | 237,282        | 403        | 56         | 157        |
| <b>W1YG 14</b>   | <b>168,468</b> | <b>430</b>  | <b>36</b> | <b>103</b> |     | WB2RW            | "             | 5,628          | 49         | 16        | 26         | W3YFZ       | "         | 225,570        | 369        | 66         | 153        |
| W1GG             | "              | 135,847     | 373       | 33         | 98  | WA2WSD           | "             | 3,735          | 34         | 17        | 28         | W3KH        | "         | 214,914        | 319        | 68         | 170        |
| W1GSH            | "              | 111,720     | 351       | 30         | 84  | WB2PXA           | "             | 1,479          | 26         | 12        | 17         | WA3EKL      | "         | 212,625        | 342        | 65         | 160        |
| WA1AER           | "              | 101,455     | 350       | 30         | 73  | WA2PFC           | "             | 1,118          | 20         | 11        | 15         | WB31XG      | "         | 211,641        | 314        | 67         | 170        |
| WB1TENN          | "              | 14,877      | 96        | 16         | 41  | <b>WB2ZWH 28</b> | <b>73,324</b> | <b>276</b>     | <b>26</b>  | <b>66</b> |            | W3BB        | "         | 207,870        | 335        | 58         | 147        |
| W1ESN            | "              | 12,240      | 69        | 17         | 43  | WA2IFS           | "             | 67,600         | 228        | 25        | 79         | W3EVW       | "         | 206,901        | 317        | 75         | 162        |
| <b>K1CV 7</b>    | <b>34,030</b>  | <b>155</b>  | <b>20</b> | <b>62</b>  |     | WA2PH            | "             | 43,260         | 183        | 24        | 60         | K2SCU/3     | "         | 200,997        | 333        | 60         | 147        |
| <b>W1CF 3.8</b>  | <b>114,227</b> | <b>435</b>  | <b>23</b> | <b>80</b>  |     | WB2TKY           | "             | 40,313         | 157        | 26        | 65         | W3KV        | "         | 189,280        | 307        | 69         | 155        |
| <b>K1PBW 1.8</b> | <b>2,664</b>   | <b>46</b>   | <b>7</b>  | <b>17</b>  |     | W2HG             | "             | 38,098         | 157        | 24        | 62         | K3VA        | "         | 168,315        | 273        | 66         | 163        |
| W1BB             | "              | 624         | 17        | 5          | 11  | W2GUM            | "             | 18,810         | 124        | 15        | 40         | WB3EAG      | "         | 158,925        | 309        | 56         | 139        |
| <b>WB2ZWH 28</b> | <b>73,324</b>  | <b>276</b>  | <b>26</b> | <b>66</b>  |     | W2OKJ            | "             | 8,910          | 91         | 8         | 25         | K3NL        | "         | 134,757        | 242        | 65         | 142        |
| W1GD             | "              | 77,880      | 182       | 46         | 119 | WB2MJQ           | "             | 6,532          | 56         | 16        | 30         | W3GRS       | "         | 131,340        | 215        | 68         | 152        |
| K1AO             | "              | 61,087      | 174       | 35         | 74  | K2LE             | "             | 664,680        | 692        | 91        | 257        | W3OVT       | "         | 130,910        | 253        | 59         | 131        |
| W1RQ             | "              | 145,464     | 299       | 48         | 126 | K2BML            | "             | 1,097,547      | 919        | 112       | 303        | KB2FA       | <b>21</b> | <b>136,612</b> | <b>392</b> | <b>30</b>  | <b>85</b>  |
| K1KTB            | "              | 59,784      | 162       | 41         | 100 | WA2AUB           | "             | 498,586        | 531        | 93        | 253        | AD3Z        | "         | 127,197        | 242        | 58         | 131        |
| W1VV             | "              | 59,184      | 152       | 46         | 98  | N2MR             | "             | 487,830        | 546        | 89        | 233        | WB2ZG       | "         | 127,211        | 374        | 26         | 93         |
| W1YN             | "              | 701,505     | 214       | 54         | 127 | W2GD             | "             | 99,1561        | 915        | 105       | 284        | W3KFQ       | "         | 111,520        | 246        | 51         | 109        |
| W1RDH            | "              | 35,308      | 130       | 33         | 64  | AB2E             | "             | 413,535        | 522        | 79        | 206        | WA2YL       | "         | 13,984         | 106        | 30         | 30         |
| ADIS             | "              | 26,924      | 105       | 38         | 68  | W2SST            | "             | 376,623        | 539        | 70        | 191        | WB2ITR      | <b>14</b> | <b>197,664</b> | <b>480</b> | <b>34</b>  | <b>108</b> |
| W1ICU            | "              | 21,406      | 100       | 26         | 51  | W2LD             | "             | 368,988        | 466        | 99        | 218        | W3PN        | "         | 78,204         | 202        | 47         | 100        |
| K1LXJ            | "              | 18,841      | 87        | 27         | 56  | K2TD             | "             | 352,716        | 466        | 72        | 201        | W3OPH       | "         | 76,650         | 184        | 43         | 107        |
| W1PLJ            | "              | 15,844      | 84        | 22         | 46  | AA22             | "             | 314,335        | 452        | 69        | 176        | K3ZJ        | "         | 71,071         | 178        | 46         | 97         |

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|----------|-----------|-----------|------|-----|---------|----------|--------------|--------|-----|--------|-----------|-----------|---------|-----|--------|---------|---------|---------|---------|--------|---------|---------|---------|--------|-----|-----|----|
| WA3ATP   | 29.149    | 110       | 30   | 75  | N4KG    | 334.334  | 805          | 29     | 114 | KENE   | 24.882    | 103       | 25      | 62  | WA7DRP | 98.766  | 194     | 64      | 122     | K9UR   | 94.024  | 221     | 53      | 108    |     |     |    |
| WA3YIV   | 25.466    | 89        | 37   | 70  | N4BP    | 303.373  | 852          | 31     | 102 | WB5KSU | 23.556    | 114       | 24      | 54  | W7OF   | 97.344  | 204     | 64      | 105     | W9KTB  | 88.953  | 206     | 43      | 106    |     |     |    |
| WA3FNK   | 23.712    | 90        | 29   | 67  | N4CT    | 275.712  | 852          | 28     | 100 | N5JM   | 19.952    | 137       | 18      | 40  | W7UZ   | 87.039  | 178     | 62      | 109     | K9SD   | 87.040  | 201     | 56      | 104    |     |     |    |
| N3TR     | 20.970    | 39        | 32   | 58  | N4SF    | 252.054  | 660          | 30     | 104 | K5XY   | 7.913     | 81        | 16      | 25  | N7RK   | 75.542  | 166     | 57      | 109     | WB9VCI | 80.620  | 210     | 45      | 100    |     |     |    |
| K3PPJ    | 19.860    | 114       | 16   | 44  | N4PN    | 246.874  | 636          | 32     | 105 | K5IS   | 7.682     | 67        | 18      | 28  | W7OTD  | 72.675  | 269     | 39      | 56      | W9RW   | 79.464  | 177     | 59      | 113    |     |     |    |
| N3FW     | 16.170    | 84        | 24   | 46  | W4ZCB   | 237.964  | 617          | 33     | 101 | W6TEN  | 5.832     | 59        | 13      | 23  | K7UU   | 66.975  | 177     | 51      | 90      | W9AMM  | 64.883  | 150     | 52      | 109    |     |     |    |
| K3UEI    | 13.182    | 66        | 31   | 47  | K4B4Z   | 183.770  | 566          | 28     | 87  | W6JG   | 2.808     | 39        | 7       | 17  | K7YDO  | 66.303  | 180     | 55      | 84      | W9NZM  | 61.950  | 195     | 37      | 81     |     |     |    |
| K3GYS    | 8.664     | 58        | 6    | 41  | WA4RYN  | 140.482  | 440          | 28     | 83  | W5EJ   | 2.808     | 39        | 7       | 17  | N7AM   | 64.356  | 175     | 57      | 67      | W9EDP  | 61.060  | 158     | 48      | 94     |     |     |    |
| WB3FHO   | 8.208     | 51        | 19   | 38  | WA4SWY  | 111.32C  | 357          | 26     | 84  | K5BZU  | 21        | 130.559   | 401     | 32  | 89     | K7JVR   | 63.535  | 183     | 49      | 82     | WB9VUE  | 51.840  | 146     | 43     | 85  |     |    |
| W3RNO    | 6.125     | 64        | 18   | 31  | AA4RR   | 94.10C   | 335          | 26     | 74  | K5NW   | 122.640   | 374       | 31      | 89  | W7UV   | 50.094  | 146     | 49      | 72      | W9LQ   | 41.615  | 106     | 43      | 102    |     |     |    |
| K3TP     | 5.564     | 45        | 17   | 35  | WA4YBV  | 88.824   | 352          | 22     | 64  | A5FK   | 103.721   | 395       | 27      | 76  | WB7SV0 | 43.584  | 146     | 49      | 66      | K9BOL  | 34.465  | 126     | 41      | 72     |     |     |    |
| WA3UJN   | 3.680     | 33        | 21   | 25  | K&JRM/4 | 82.532   | 308          | 26     | 68  | W35UEL | 66.462    | 223       | 25      | 80  | W7AE   | 34.736  | 120     | 34      | 70      | K9GS   | 25.947  | 118     | 34      | 59     |     |     |    |
| N3ED     | 3.645     | 32        | 18   | 27  | W5ILR/4 | 66.654   | 218          | 27     | 80  | K5TU   | 3.237     | 32        | 14      | 25  | W7ZMD  | 32.968  | 146     | 39      | 65      | WB9B9D | 24.104  | 96      | 33      | 59     |     |     |    |
| K3SAG    | 3.150     | 27        | 18   | 24  | WA4FOJ  | 64.676   | 232          | 26     | 66  | W5NA   | 14        | 225.440   | 514     | 38  | 122    | W7KKR   | 28.980  | 99      | 44      | 61     | A69M    | 21.240  | 118     | 32     | 58  |     |    |
| WB3JFC   | 2.030     | 25        | 11   | 18  | WA4KLH  | 61.370   | 226          | 25     | 70  | W5NO   | 48.858    | 178       | 28      | 74  | W67UXK | 24.648  | 111     | 32      | 46      | W9QWM  | 21.087  | 92      | 39      | 60     |     |     |    |
| W2CKA/3  | 1.760     | 21        | 12   | 20  | WD4IZR  | 61.272   | 231          | 25     | 67  | W5FUA  | 22.506    | 117       | 19      | 47  | N7ML   | 23.520  | 125     | 26      | 44      | W9OEJ  | 17.978  | 73      | 30      | 59     |     |     |    |
| N3AFU    | 861       | 18        | 8    | 13  | WA4ZQV  | 60.480   | 222          | 27     | 69  | W5ETR  | 4.700     | 100       | 15      | 31  | K7RS   | 20.976  | 105     | 35      | 41      | WB9NOV | 16.683  | 75      | 32      | 51     |     |     |    |
| K3YL     | 247       | 7         | 6    | 7   | WA4ZWN  | 57.964   | 228          | 25     | 61  | K5NU   | 3.8       | 21.515    | 143     | 17  | 48     | W7NP    | 18.954  | 94      | 30      | 88     | W9TNZ   | 16.128  | 76      | 28     | 56  |     |    |
| K3UA     | 28        | 401.938   | 953  | 32  | 114     | WA4VEK   | 46.665       | 199    | 25  | 60     | N5UD      | 5.984     | 60      | 14  | 30     | N7CW    | 15.725  | 69      | 36      | 49     | WB9NUL  | 14.592  | 90      | 30     | 46  |     |    |
| K2PL/F/3 | 160.799   | 532       | 27   | 86  | WB4YBE  | 35.420   | 154          | 24     | 53  | K5YY   | 1.8       | 688       | 37      | 6   | 10     | K7AI    | 4.100   | 54      | 19      | 22     | K9BK    | 12.877  | 89      | 30     | 49  |     |    |
| W3EWL    | 158.966   | 451       | 28   | 94  | K4HV    | 33.798   | 138          | 28     | 58  | K6RR   | A         | 1.411.540 | 1591    | 101 | 204    | N7DX    | 4.085   | 35      | 18      | 25     | WB9GLB  | 10.011  | 54      | 27     | 44  |     |    |
| W30M     | 143.134   | 427       | 29   | 89  | WA4AVV  | 32.436   | 167          | 20     | 48  | W5NA   | 14        | 225.440   | 514     | 38  | 122    | W7JKA   | 3.536   | 38      | 15      | 19     | WB9-UM  | 5.978   | 49      | 17     | 32  |     |    |
| K2ITG/3  | 1.191.943 | 366       | 28   | 81  | WB4VQV  | 29.184   | 141          | 24     | 52  | N6KT   | 1.393.789 | 1580      | 102     | 211 | W7WU   | 3.128   | 32      | 11      | 23      | WB9SMU | 2.660   | 33      | 18      | 20     |     |     |    |
| K3WS     | 102.492   | 336       | 30   | 87  | K84AJ   | 26.047   | 153          | 21     | 40  | N6AR   | 1.149.556 | 1084      | 113     | 269 | WB7CS  | 2.046   | 49      | 17      | 16      | W90C   | 2.508   | 38      | 11      | 22     |     |     |    |
| N3GW     | 35.612    | 372       | 26   | 70  | W4YN    | 22.644   | 122          | 21     | 47  | K5HNZ  | 843.100   | 1252      | 85      | 146 | W7YU   | 1.581   | 19      | 14      | 17      | N6AHY  | 2.200   | 30      | 19      | 21     |     |     |    |
| KA4S/3   | 30.072    | 129       | 23   | 61  | WB4YXA  | 21.054   | 120          | 20     | 46  | K6NA   | 842.560   | 927       | 112     | 208 | WA7RKJ | 28      | 104.082 | 440     | 24      | 59     | A49L    | 1.792   | 21      | 14     | 18  |     |    |
| W3FOA    | 2.482     | 26        | 13   | 21  | WD4IBO  | 19.647   | 118          | 25     | 34  | K6NA   | 549.486   | 652       | 98      | 195 | W7AYY  | 47.250  | 256     | 22      | 43      | W39VT  | 1.485   | 20      | 13      | 14     |     |     |    |
| W3HYJ    | 79        | 16        | 8    | 9   | WA1UP/4 | 19.206   | 106          | 22     | 44  | N6QR   | 547.470   | 634       | 102     | 213 | W7CPK  | 19.372  | 112     | 23      | 46      | W39QIZ | 9.912   | 14      | 10      | 14     |     |     |    |
| WB3JGP   | 48        | 3         | 3    | 3   | K84OJ   | 19.008   | 103          | 20     | 46  | W6DFD  | 451.000   | 732       | 83      | 137 | W7KT   | 1.550   | 23      | 11      | 14      | K9RA   | 28      | 34.374  | 912     | 33     | 110 |     |    |
| WA3RRS   | 21        | 89.040    | 299  | 25  | 80      | WD4GKO   | 13.621       | 88     | 17  | 36     | W6F5      | 302.085   | 463     | 66  | 179    | W7PEZ   | 21      | 149.684 | 556     | 27     | 65      | WB9RE   | 323.594 | 798    | 32  | 109 |    |
| W3TV     | 67.512    | 244       | 24   | 73  | N4NW    | 21       | 231.792      | 628    | 34  | 98     | WB6XW     | 377.208   | 557     | 87  | 147    | W7GA    | 99.564  | 361     | 29      | 69     | WB9ZA   | 218.862 | 613     | 29     | 97  |     |    |
| A4DR     | 32.481    | 148       | 20   | 81  | W4ZTW   | 108.330  | 353          | 31     | 84  | N6AMG  | 352.370   | 745       | 61      | 106 | W7NF   | 1.581   | 19      | 14      | 17      | WB9V   | 35.360  | 150     | 22      | 63     |     |     |    |
| WB3GXD   | 6.670     | 62        | 15   | 31  | W4LCL   | 65.736   | 239          | 24     | 75  | N6HR   | 241.596   | 741       | 61      | 107 | N7DF   | 53.592  | 228     | 60      | 80      | WB9RN  | 143.445 | 391     | 31      | 101    |     |     |    |
| K3FN     | 14        | 148.920   | 388  | 36  | 100     | WA4DRL   | 63.470       | 210    | 27  | 83     | N6MB      | 347.392   | 518     | 80  | 150    | W7NL    | 28.968  | 150     | 19      | 49     | K9C_0   | 136.880 | 425     | 28     | 88  |     |    |
| WA3VUU   | 140.920   | 390       | 32   | 98  | WB4ERP  | 8.580    | 61           | 19     | 36  | W6SWM  | 329.692   | 471       | 98      | 164 | W7RV   | 95.150  | 298     | 35      | 75      | K9SM   | 68.377  | 246     | 26      | 75     |     |     |    |
| WB3CCG   | 7         | 11.457    | 86   | 16  | 14      | WB5YLT/4 | Topr. WB70G1 |        |     |        |           |           |         |     |        |         |         |         | AB9E    | 59.192 | 213     | 26      | 72      |        |     |     |    |
| WA3FET   | 3.8       | 30.160    | 205  | 15  | 50      | W4DJD    | 1.890        | 31     | 10  | 17     | KEEXO     | 283.584   | 464     | 69  | 142    | WB9MSW  | 37.584  | 167     | 22      | 59     | WB9V    | 52.716  | 203     | 22     | 70  |     |    |
| W4DR     | A         | 2.727.108 | 1842 | 127 | 386     | W4DJD    | 14           | 83.440 | 263 | 31     | 81        | W6CV      | 276.480 | 400 | 58     | 193     | K8MR    | A       | 831.012 | 842    | 102     | 263     | WB9V    | 35.360 | 150 | 22  | 63 |
| K4VT     | A         | 1.105.564 | 1021 | 109 | 285     | WB4VND   | 45.360       | 159    | 30  | 78     | AA6JJ     | 266.208   | 409     | 89  | 147    | K8MN    | A       | 412.534 | 602     | 92     | 221     | WB9V    | 36.350  | 125    | 28  | 88  |    |
| AM4S     | 950.560   | 830       | 111  | 305 | K4AU    | 28.303   | 122          | 25     | 58  | N6AN   | 249.637   | 468       | 72      | 119 | K8MF   | A       | 334.884 | 477     | 71      | 187    | WB9V    | 36.350  | 131     | 28     | 88  |     |    |
| N4RA     | 92.553    | 830       | 10   | 297 | K4W.S   | 23.680   | 120          | 20     | 54  | N6HR   | 241.696   | 741       | 61      | 107 | WB8VFA | 285.310 | 402     | 84      | 193     | K9UW   | 26.353  | 226     | 28      | 88     |     |     |    |
| W10AW    | 9.414     | 199       | 758  | 116 | 313     | WB4ZPA   | 8.440        | 150    | 22  | 57     | K5FD      | 88.064    | 230     | 54  | 74     | W7AL    | 203.330 | 406     | 69      | 146    | WB9VQ   | 26.353  | 177     | 28     | 88  |     |    |
| W11MV    | 83.072    | 105       | 95   | 257 | WB4ZPK  | 8.440    | 150          | 21     | 57  | K5TA   | 185.465   | 434       | 59      | 86  | W7ALT  | 19.372  | 161     | 23      | 47      | WB9V   | 26.353  | 177     | 28      | 88     |     |     |    |
| WA4OMQ   | 106.824   | 551       | 51   | 193 | K5MA    | 322.640  | 560          | 69     | 149 | W6ABT  | 105.073   | 217       | 63      | 116 | K8MB   | A       | 831.012 | 842     | 102     | 263    | WB9V    | 37.584  | 167     | 22     | 59  |     |    |
| N4XM     | 374.220   | 450       | 97   | 218 | K5OY    | 321.555  | 460          | 88     | 167 | WB6SU  | 104.146   | 212       | 67      | 106 | K8MF   | A       | 412.534 | 602     | 92      | 221    | WB9V    | 37.584  | 167     | 22     | 59  |     |    |
| WA4SSU   | 358.666   | 464       | 78   | 198 | WA5IGD  | 316.824  | 445          | 73     | 185 | W6JFY  | 55.594    | 158       | 53      | 80  | K8MF   | A       | 334.884 | 477     | 71      | 187    | WB9V    | 37.584  | 167     | 22     | 59  |     |    |
| W3YYV    | 351.180   | 419       | 89   | 20  | K5NA    | 288.218  | 327          | 110    | 236 | N6UC   | 54.016    | 142       | 45      | 83  | WB8VFA | 285.310 | 402     | 84      | 193     | K9UW   | 26.353  | 226     | 28      | 88     |     |     |    |
| K4D0     | 314.096   | 404       | 85   | 208 | W5JL    | 174.240  | 297          | 70     | 50  | K6HDJ  | 23.956    | 127       | 84      | 66  | W7AL   | 12.532  | 250     | 57      | 109     | WB9V   | 37.584  | 167     | 22      | 59     |     |     |    |
| N4EA     | 308.024   | 377       | 78   | 199 | W5LM    | 166.156  | 377          | 87     | 176 | K6GJF  | 16.582    | 303       | 146     | 248 | W7BNE  | 12.532  | 250     | 57      | 109     | WB9V   | 37.584  | 167     | 22      | 59     |     |     |    |
| N4ND     | 277.288   | 396       | 70   | 183 | W5GN    | 98.854   | 234          | 53     | 108 | WB6EV  | 12.676    | 79        | 43      | 44  | WB8VFA | 188.595 | 527     | 30      | 97      | WB9V   | 37.584  | 167     | 22      | 59     |     |     |    |
| WA4UN    | 155.990   | 335       | 54   | 136 | W5KTD   | 96.690   | 224          | 57     | 80  | W6DFV  | 29.106    | 127       | 38      | 51  | WB8VFA | 188.595 | 527     | 30      | 97      | WB9V   | 37.584  | 167     | 22      | 59     |     |     |    |
| K4YT     | 151.438   |           |      |     |         |          |              |        |     |        |           |           |         |     |        |         |         |         |         |        |         |         |         |        |     |     |    |

|                    |     |           |      |     |     |                          |        |           |      |     |        |                |           |           |           |      |          |     |
|--------------------|-----|-----------|------|-----|-----|--------------------------|--------|-----------|------|-----|--------|----------------|-----------|-----------|-----------|------|----------|-----|
| KOKE               | 21  | 237,390   | 659  | 33  | 90  | ST. LUCIA                | JH7JGG | 65,142    | 297  | 27  | 50     | MONGOLIA       | ON5GD     | A         | 962,220   | 1265 | 88       | 260 |
| KOZX               | "   | 227,290   | 694  | 31  | 88  | VP2LBH                   | A      | 175,914   | 981  | 36  | 51     | JT1AN          | A         | 66,640    | 600       | 27   | 59       |     |
| KQAT               | "   | 107,734   | 317  | 29  | 89  | VIRGIN ISLANDS           | JA6WW  | 63,450    | 295  | 24  | 51     | OGASAWARA      | ON4XG     | "         | 274,505   | 576  | 56       | 161 |
| KQBCD              | "   | 76,095    | 325  | 27  | 82  | KV4FZ                    | 14     | 1,520,904 | 3890 | 36  | 132    | JD1ALM         | A         | 12,524    | 364       | 15   | 16       |     |
| KQBSMI             | "   | 73,295    | 240  | 28  | 79  | AFRICA                   | JA3EV  | 63,144    | 302  | 25  | 47     | SYRIA          | ON5KY     | 21        | 221,040   | 700  | 30       | 90  |
| KQVGB              | "   | 11,652    | 143  | 23  | 59  | CANARY ISLANDS           | JA7EYB | 57,680    | 252  | 26  | 54     | VE3BWK/4U      | ON6JS     | 3.8       | 18,252    | 326  | 7        | 45  |
| KQBAD              | "   | 24,361    | 179  | 22  | 48  | Egypt                    | JR3RCV | 47,676    | 278  | 22  | 36     | 14             | 1,061,634 | 2532      | 39        | 122  | BULGARIA |     |
| WDQAYT             | "   | 6,370     | 47   | 2   | 37  | SM2ALH                   | A      | 178,390   | 1173 | 59  | 270    | THAILAND       | LZ2KB     | A         | 1,709,640 | 2214 | 99       | 267 |
| WBQKSL             | "   | 2,442     | 27   | 2   | 52  | 74U                      | JA2PKD | 32,604    | 173  | 23  | 43     | HS1ABO         | A         | 2,001,968 | 2596      | 90   | 236      |     |
| KQVBU              | "   | 798       | 16   | 9   | 12  | GABON                    | JA1ABU | 32,147    | 184  | 22  | 39     | HS1ALV         | 14        | 17,544    | 101       | 20   | 48       |     |
| KQKX               | 14  | 205,572   | 500  | 36  | 112 | TR8RG                    | A      | 7,639,624 | 4767 | 130 | 395    | ASIATIC RUSSIA | LZ2VU     | "         | 275,598   | 712  | 49       | 134 |
| WQZV               | "   | 62,829    | 195  | 37  | 80  | TR8DC                    | A      | 645,540   | 1031 | 59  | 151    | UG6JJ          | A         | 117,181   | 370       | 33   | 80       |     |
| WDQBGY             | "   | 61,568    | 238  | 74  | 69  | TR8AC                    | 14     | 112,032   | 523  | 22  | 50     | ASIATIC RUSSIA | LZ1KBG    | "         | 111,375   | 532  | 35       | 90  |
| KQXD               | "   | 11,375    | 63   | 22  | 43  | 5Z4PV                    | A      | 97,625    | 309  | 40  | 66     | UV9PP          | A         | 687,234   | 1024      | 84   | 198      |     |
| KQRF               | 7   | 85,170    | 354  | 23  | 62  | EL2AE                    | 21     | 116,920   | 539  | 22  | 57     | UQ9MR          | "         | 417,680   | 761       | 66   | 161      |     |
| KQVUW              | "   | 26,364    | 176  | 20  | 58  | CT3BZ                    | A      | 7,211,790 | 5316 | 11  | 343    | UQ9FU          | "         | 224,420   | 417       | 57   | 139      |     |
| WQJO               | "   | 14,628    | 87   | 21  | 48  | OH2FR                    | 21     | 70,108    | 349  | 21  | 47     | UQ9AQD         | "         | 162,038   | 378       | 40   | 114      |     |
| WAQTKJ             | "   | 7,738     | 67   | 18  | 35  | REPUBLIC OF SOUTH AFRICA | JH1BFF | 392,000   | 1039 | 38  | 102    | UV9CMS         | 28        | 198,450   | 774       | 25   | 80       |     |
| ALASKA             |     |           |      |     |     | JH1BFF                   | 21     | 379,316   | 1032 | 33  | 91     | R9F9BZ         | "         | 172,500   | 832       | 27   | 73       |     |
| BERMUDA            |     |           |      |     |     | JABSCO                   | JR1WHW | 345,600   | 1090 | 31  | 77     | RA3CJU         | "         | 62,240    | 588       | 27   | 77       |     |
| NIGL/VP9           | A   | 3,815,736 | 3540 | 118 | 326 | CT3BZ                    | A      | 7,211,790 | 5316 | 11  | 343    | UQ9CN1         | "         | 139,692   | 670       | 20   | 64       |     |
| CANADA             |     |           |      |     |     | CT3BZ                    | A      | 1,288,366 | 2450 | 67  | 151    | RA3KBF         | "         | 54,528    | 362       | 12   | 47       |     |
| VE1AI              | A   | 1,234,863 | 1341 | 100 | 257 | CT3/                     | 28     | 75,670    | 379  | 20  | 50     | RA3AKO         | "         | 53,314    | 346       | 12   | 49       |     |
| VE3IOI/1           | "   | 192,910   | 350  | 53  | 147 | OH2FR                    | 14     | 112,032   | 523  | 22  | 50     | RA3CF          | "         | 30,850    | 219       | 9    | 41       |     |
| VO1KO              | "   | 43,860    | 244  | 21  | 30  | REPUBLIC OF SOUTH AFRICA | JH2MYN | 245,577   | 77   | 32  | 77     | RA3KAM         | "         | 17,625    | 60        | 13   | 37       |     |
| VE1ALJ             | "   | 3,854     | 45   | 22  | 39  | JH1BFF                   | 21     | 113,484   | 40   | 31  | 57     | UQ9DZ          | "         | 5,859     | 3         | 24   | 15       |     |
| VE1BNN             | 28  | 276,873   | 950  | 27  | 96  | JH1BFF                   | 21     | 100,089   | 356  | 30  | 59     | RA3YAT         | 21        | 51,522    | 514       | 17   | 45       |     |
| VO1FB              | "   | 120,175   | 536  | 23  | 72  | JH1BFF                   | 21     | 7,150     | 22   | 15  | RA3YAT | "              | 27,376    | 214       | 13        | 45   |          |     |
| VE1BBS             | "   | 35,469    | 229  | 17  | 46  | JH1BFF                   | 21     | 11,500    | 216  | 20  | 50     | UW9CR          | "         | 19,250    | 130       | 16   | 39       |     |
| VE2AYU             | A   | 628,976   | 829  | 84  | 220 | JH1BFF                   | 21     | 59,274    | 27   | 25  | 49     | UV9BS          | 14        | 262,197   | 853       | 34   | 83       |     |
| VO2AG              | "   | 92,400    | 491  | 28  | 56  | JH1BFF                   | 21     | 55,671    | 256  | 26  | 51     | UQ9JAX         | "         | 116,236   | 553       | 28   | 60       |     |
| CH3GCO             | A   | 1,751,108 | 1828 | 110 | 286 | JH1BFF                   | 21     | 51,675    | 23   | 25  | 50     | UQ9AAP         | "         | 94,676    | 200       | 24   | 68       |     |
| VE3CEF             | "   | 466,764   | 635  | 79  | 212 | JH1BFF                   | 21     | 49,842    | 247  | 25  | 46     | UW9HW          | "         | 20,040    | 120       | 16   | 44       |     |
| VE3HD              | "   | 401,351   | 528  | 79  | 192 | JH1BFF                   | 21     | 36,855    | 200  | 24  | 41     | UQ9FCI         | 7         | 18,012    | 178       | 8    | 30       |     |
| VE3DLR             | "   | 357,870   | 648  | 66  | 171 | JH1BFF                   | 21     | 33,174    | 199  | 22  | 35     | UQ9ABC         | A         | 509,152   | 892       | 69   | 155      |     |
| VE3DUS             | "   | 342,528   | 506  | 73  | 183 | JH1BFF                   | 21     | 32,964    | 175  | 23  | 44     | UQ9CCW         | "         | 22,000    | 200       | 45   | 65       |     |
| VE3VC              | "   | 123,221   | 216  | 62  | 142 | JH1BFF                   | 21     | 29,680    | 193  | 18  | 35     | UQ9WAY         | 28        | 181,115   | 776       | 21   | 68       |     |
| VE2EZU             | "   | 19,000    | 82   | 34  | 61  | JH1BFF                   | 21     | 26,312    | 176  | 19  | 33     | UQ9QGL         | "         | 64,638    | 420       | 15   | 48       |     |
| VE3UX              | "   | 14,823    | 67   | 25  | 56  | JH1BFF                   | 21     | 24,092    | 106  | 19  | 29     | UQ9WAY         | "         | 15,165    | 133       | 13   | 32       |     |
| VE3ECH             | "   | 2,262     | 39   | 13  | 16  | JH1BFF                   | 21     | 21,127    | 121  | 27  | 49     | UQ9KJ          | "         | 4,810     | 162       | 12   | 44       |     |
| VE3IKN             | 28  | 211,392   | 434  | 26  | 82  | JH1BFF                   | 21     | 19,020    | 100  | 20  | 31     | UQ9ABC         | 21        | 103,908   | 609       | 24   | 60       |     |
| VE3IPS             | "   | 92,552    | 416  | 23  | 69  | JH1BFF                   | 21     | 17,514    | 98   | 10  | 31     | UQ9AU          | 14        | 236,760   | 813       | 36   | 84       |     |
| VE3JAR             | "   | 83,748    | 372  | 23  | 63  | JH1BFF                   | 21     | 15,290    | 97   | 10  | 31     | UQ9EX          | "         | 105,672   | 543       | 36   | 66       |     |
| VE3KIU             | "   | 7,310     | 72   | 14  | 29  | JH1BFF                   | 21     | 12,752    | 93   | 17  | 31     | UW9IX          | "         | 61,446    | 204       | 33   | 81       |     |
| VE3BBV             | 21  | 913,556   | 2273 | 35  | 123 | JH1BFF                   | 21     | 10,696    | 106  | 19  | 29     | UQ9KBZ         | "         | 24,700    | 193       | 18   | 34       |     |
| VE3BBH             | "   | 377,910   | 840  | 30  | 100 | JH1BFF                   | 21     | 8,126     | 96   | 20  | 32     | UQ9JEA         | "         | 17,424    | 86        | 26   | 46       |     |
| WE3WD              | 14  | 261,380   | 722  | 34  | 106 | JH1BFF                   | 21     | 6,208     | 111  | 15  | 23     | UQ9PJ          | "         | 9,996     | 96        | 19   | 23       |     |
| VE3IPR             | "   | 33,264    | 201  | 22  | 55  | JH1BFF                   | 21     | 5,953     | 83   | 14  | 19     | UQ9LEO         | "         | 3,990     | 51        | 14   | 6        |     |
| VE3ACB             | "   | 5,336     | 48   | 19  | 27  | JH1BFF                   | 21     | 4,710     | 72   | 17  | 31     | UQ9EX          | "         | 105,672   | 543       | 36   | 66       |     |
| VE3ECP             | 3.8 | 53,200    | 475  | 15  | 41  | JH1BFF                   | 21     | 3,528     | 70   | 9   | 35     | UW9I           | "         | 51,646    | 436       | 23   | 55       |     |
| VE3FAC             | 1.8 | 2,072     | 148  | 3   | 4   | JH1BFF                   | 21     | 2,432     | 29   | 19  | 31     | UQ9KFBP        | "         | 11,493    | 159       | 11   | 28       |     |
| VE3BBN             | "   | 900       | 91   | 2   | 3   | JH1BFF                   | 21     | 2,160     | 36   | 6   | 4      | UQ9JCF         | "         | 10,176    | 125       | 7    | 25       |     |
| VE4SW              | 21  | 260,585   | 1101 | 23  | 72  | JH1BFF                   | 21     | 1,920     | 36   | 6   | 4      | UQ9TAC         | "         | 6,112     | 83        | 9    | 23       |     |
| VE5DX              | A   | 2,447,471 | 2962 | 109 | 218 | JH1BFF                   | 21     | 1,780     | 34   | 6   | 4      | UQ9XAB         | "         | 1,958     | 51        | 8    | 14       |     |
| CF5RA              | "   | 919,248   | 1492 | 88  | 176 | JH1BFF                   | 21     | 1,644     | 301  | 46  | 72     | UQ9KAM         | "         | 1,548     | 43        | 13   | 23       |     |
| VE5AAO             | "   | 143,524   | 1354 | 28  | 78  | JH1BFF                   | 21     | 1,520     | 276  | 50  | 70     | UQ9KJ          | "         | 1,232     | 229       | 8    | 25       |     |
| VE6AQ              | A   | 467,103   | 971  | 70  | 107 | JH1BFF                   | 21     | 1,412     | 265  | 47  | 62     | UQ9KJ          | "         | 1,040     | 200       | 20   | 40       |     |
| VE6AGV             | "   | 444,690   | 1097 | 74  | 109 | JH1BFF                   | 21     | 1,308     | 245  | 47  | 62     | UQ9KJ          | "         | 91,240    | 134       | 25   | 59       |     |
| VE6BMP             | "   | 200,096   | 416  | 49  | 120 | JH1BFF                   | 21     | 1,200     | 229  | 48  | 62     | UQ9KJ          | "         | 28,152    | 168       | 19   | 50       |     |
| CG6LB              | 7   | 24,026    | 289  | 15  | 26  | JH1BFF                   | 21     | 1,104     | 204  | 48  | 62     | UQ9KJ          | "         | 12,361    | 114       | 19   | 28       |     |
| VC7WJ              | A   | 2,739,140 | 3715 | 99  | 203 | JH1BFF                   | 21     | 1,050     | 191  | 33  | 53     | UQ9KJ          | "         | 10,241    | 124       | 17   | 26       |     |
| (OPR) WA1LKK/X1U/A | "   | 2,600,000 | 1151 | 10  | 11  | JH1BFF                   | 21     | 980       | 146  | 46  | 68     | UQ9KJ          | "         | 8,136     | 115       | 18   | 38       |     |
| VE7CC              | "   | 2,461,184 | 2851 | 113 | 255 | JH1BFF                   | 21     | 900       | 136  | 32  | 57     | UQ9KJ          | "         | 6,050     | 217       | 12   | 22       |     |
| VE7CMK             | "   | 1,870,372 | 277  | 97  | 191 | JH1BFF                   | 21     | 800       | 121  | 35  | 41     | UQ9KJ          | "         | 3,522     | 229       | 13   | 39       |     |
| VE7TAJ             | "   | 62,356    | 182  | 56  | 75  | JH1BFF                   | 21     | 700       | 116  | 32  | 57     | UQ9KJ          | "         | 3,000     | 207       | 20   | 40       |     |
| VE7CRW             | 28  | 49,880    | 423  | 21  | 37  | JH1BFF                   | 21     | 600       | 101  | 37  | 51     | UQ9KJ          | "         | 2,810     | 150       | 16   | 31       |     |
| CF7IO              | "   | 8,626     | 97   | 16  | 22  | JH1BFF                   | 21     | 520       | 276  | 50  | 70     | UQ9KJ          | "         | 2,615     | 209       | 5    | 30       |     |
| VE7CML             | 21  | 713,950   | 2593 | 30  | 79  | JH1BFF                   | 21     | 517,577   | 179  | 52  | 93     | UQ9KJ          | "         | 2,488     | 128       | 15   | 42       |     |
| VE7AQF             | "   | 369,360   | 1532 | 27  | 63  | JH1BFF                   | 21     | 507,455   | 245  | 46  | 60     | UQ9KJ          | "         | 2,328     | 135       | 10   | 38       |     |
| VE7AV              | 14  | 145,152   | 471  | 28  | 84  | JH1BFF                   | 21     | 49,592    | 152  | 20  | 46     | UQ9KJ          | "         | 2,101     | 70        | 32   | 97       |     |
| VE7AQR             | "   | 141,660   | 573  | 22  | 69  | JH1BFF                   | 21     | 48,870    | 191  | 33  | 53     | UQ9KJ          | "         | 136,249   | 520       | 31   | 70       |     |
| YV1BF              | 28  | 80,647    | 994  | 19  | 22  | JH1BFF                   | 21     | 46,866    | 159  | 43  | 64     | UQ9KJ          | "         | 91,744    | 370       | 25   | 68       |     |
| CF8CC              | "   | 47,628    | 1151 | 10  | 11  | JH1BFF                   | 21     | 46,170    | 143  | 46  | 68     | UQ9KJ          | "         | 35,225    | 229       | 13   | 39       |     |
| CUBA               | A   | 374,773   | 625  | 80  | 179 | JH1BFF                   | 21     | 45,496    | 129  | 48  | 73     | UQ9KJ          | "         | 30,972    | 202       | 26   | 60       |     |
| CM2HB              | 7   | 50,830    |      |     |     |                          |        |           |      |     |        |                |           |           |           |      |          |     |

## TOP SCORES

| WORLD              |                    | USA         |             |
|--------------------|--------------------|-------------|-------------|
| Single Op          | All Band           | Single Op   | All Band    |
| 9Y4VT              | 8,281,800          | W4DR        | 2,727,108   |
| EA0CR              | 7,639,624          | N7DD        | 2,680,820   |
| CT3BZ              | 7,211,790          | K1XX        | 2,197,692   |
| N1GL/VP9           | 3,815,736          | W3BGN       | 1,867,404   |
| 9Y4VU              | 3,732,944          | W9ZRX       | 1,797,120   |
| OH2MM              | 3,649,556          | N2LT        | 1,763,478   |
| UB5WE              | 3,551,757          | N3DA        | 1,442,805   |
| G3FXB              | 3,520,445          | K6RR        | 1,411,540   |
| DK8FZ              | 3,189,028          | N3RD        | 1,394,778   |
| OZ5KF              | 3,186,303          | N6KT        | 1,393,789   |
| Single Op          | Single Op          | Single Op   | Single Band |
| Single Band        | 28 MHz             | Single Band | 28 MHz      |
| CW3BR              | 1,662,718          | K6OQ        | 527,560     |
| VR3AH              | 1,442,244          | W4QQN       | 440,580     |
| KG6JH              | 1,233,960          | N1MM        | 429,704     |
| DK5WL              | 1,000,368          | K3UA        | 401,938     |
| OA4JR              | 872,931            | W5MYA       | 385,710     |
| ZS6BNZ             | 855,260            | K9RA        | 374,374     |
| 21 MHz             | 21 MHz             |             |             |
| YU3ZV              | 1,212,530          | WA6EKL      | 635,830     |
| YV2AMM             | 1,187,280          | K1VTM       | 616,572     |
| GU5CAA             | 1,123,380          | K1RM        | 543,063     |
| CX7AL              | 961,758            | AE6U        | 520,336     |
| VE3BMV             | 913,556            | N6SV        | 489,839     |
| CW3A               | 861,720            | AI6V        | 430,815     |
| 14 MHz             | 14 MHz             |             |             |
| KV4FZ              | 1,520,904          | K9DX        | 311,064     |
| KP4RF              | 1,390,785          | N6RJ        | 266,114     |
| VE3BWK/            | 4U                 | W9OBF       | 241,890     |
|                    | HC1BU              | K9RF        | 226,500     |
|                    | FC9UC              | W5NA        | 225,440     |
|                    | OH8OS              | K0KX        | 205,572     |
| 7 MHz              | 7 MHz              |             |             |
| I3MAU              | 240,108            | K0RF        | 85,170      |
| SP3DOI             | 198,198            | K9HMB       | 55,242      |
| JA2BAY             | 149,500            | WB9NKH      | 38,402      |
| OH8SR              | 136,952            | K1CV        | 34,030      |
| JA1AEA             | 125,680            | W9CH        | 28,980      |
| OH1IJ              | 107,535            | K0VUW       | 26,364      |
| 3.8 MHz            | 3.8 MHz            |             |             |
| W1CF               | 114,227            | W1CF        | 114,227     |
| N2KK/6             | 71,520             | N2KK/6      | 71,520      |
| YU1EXY             | 63,833             | W8WW        | 57,216      |
| HC1EE              | 60,912             | K8XX        | 38,052      |
| DW8WW              | 57,216             | W9L5        | 31,200      |
| DT2AUJ             | 56,700             | WA3FET      | 30,160      |
| 1.8 MHz            | 1.8 MHz            |             |             |
| GM3ZSP             | 4,179              | K1PBW       | 2,664       |
| DJ8WL              | 3,887              | W8LRL       | 1,608       |
| YU3EF              | 3,066              | K6SE        | 1,280       |
| K1PBW              | 2,664              | K5YY        | 688         |
| JA1UPO             | 2,646              | W1BB        | 624         |
| G3XWZ/A            | 2,180              | K8CFU       | 616         |
| Multi-Op           | Multi-Op           |             |             |
| Single Transmitter | Single Transmitter |             |             |
| FY7BC              | 8,989,695          | K5GA        | 4,150,306   |
| RF6F               | 7,445,996          | K1PR        | 2,871,628   |
| 9L1CA              | 7,367,846          | K8NA        | 2,289,474   |
| IZ4VEQ             | 7,087,304          | K0UK        | 2,223,864   |
| YU3EY              | 6,432,251          | W6BH        | 2,204,160   |
| UK2BBB             | 5,539,240          | N6MG        | 1,729,856   |
| Multi-Op           | Multi-Op           |             |             |
| Multi-Transmitter  | Multi-Transmitter  |             |             |
| PJ9JR              | 29,211,300         | N2AA        | 8,940,909   |
| KH6XX              | 18,134,798         | W3WJD       | 8,460,605   |
| PJ8CO              | 15,998,080         | W7RM        | 8,269,368   |
| EX9A               | 15,364,085         | W2PV        | 7,701,540   |
| VE3KZ              | 10,612,755         | W3MM        | 5,905,896   |
| VP2VER             | 9,188,191          | W1ZM        | 5,400,200   |

|         |         |         |        |       |           |         |         |        |         |         |         |        |        |
|---------|---------|---------|--------|-------|-----------|---------|---------|--------|---------|---------|---------|--------|--------|
| G4CVZ   | 240,130 | 730     | 45,140 | OH6JW | 2,254,980 | 2026    | 117,338 | OH4SD  | 53,900  | 303     | 20      | 57     |        |
| G5COP   | 189,156 | 541     | 43,89  | OH2YY | 1,297,560 | 1803    | 80,250  | OH3MF  | 36,774  | 255     | 20      | 61     |        |
| G3DYY   | 318,000 | 568     | 83,192 | OH2PM | 1,155,339 | 1372    | 97,272  | CH1VA  | 32,760  | 202     | 20      | 64     |        |
| G31KR   | 95,096  | 322     | 45,173 | OH1AD | 505,749   | 836     | 79,184  | CH1VC  | 18,827  | 191     | 19      | 48     |        |
| G5CMX   | 51,150  | 285     | 23,70  | OH2NW | 94,600    | 330     | 44,144  | CH1U   | 10,584  | 84      | 16      | 47     |        |
| G2AJB   | 44,821  | 209     | 34,99  | OH2KP | 89,628    | 297     | 50,144  | OH8OS  | 14      | 665,802 | 1868    | 38,103 |        |
| G3MWZ   | 37,948  | 210     | 28,78  | OH2VQ | 60,420    | 217     | 45,91   | CH2JQ  | 18,900  | 200     | 14      | 56     |        |
| G3MXJ   | 28      | 829,584 | 2035   | OH2PQ | 31,956    | 160     | 29,46   | CH8VU  | 25      | 3       | 2       | 3      |        |
| G3ZOW   | 771,498 | 2197    | 34,92  | OH2SS | 16,354    | 105     | 28,46   | OH8SR  | 7       | 136,952 | 697     | 28,78  |        |
| G4CNY   | 769,350 | 1981    | 36,102 | OH2JC | 14,507    | 71      | 34,55   | CH1J   | 107,535 | 736     | 24      | 83     |        |
| G4DRT   | 160,680 | 524     | 27,77  | OH1EH | 6,450     | 49      | 21,38   | OH1K   | 9,898   | 166     | 9       | 40     |        |
| G3XFV   | 21      | 345,344 | 1028   | OH2VZ | 5,723     | 49      | 21,38   | OH6UC  | 3,8     | 666     | 38      | 15     |        |
| G3RRS   | 14      | 472,099 | 1305   | OH3TY | 2652      | 36      | 5,24    | OH2BO  | 1,8     | 1496    | 91      | 3      |        |
| G3ZHL   | 75,440  | 567     | 18,64  | OH6TA | 875       | 16      | 11,14   |        |         |         |         |        |        |
| G4HN    | 27,714  | 256     | 14,48  | OH5NW | 28        | 617,984 | 1726    | 34,102 | F8WE    | A       | 232,650 | 696    | 53,172 |
| G3HAM   | 16,254  | 173     | 13,50  | OH1MA | 507,492   | 1518    | 33,94   | F6DFQ  | "       | 178,664 | 427     | 61,123 |        |
| G4DBL   | 7       | 4,059   | 87     | OH2XA | 99,654    | 429     | 28,74   | F6DDP  | "       | 109,855 | 349     | 47,126 |        |
| G3XWZ/A | 1.8     | 2,180   | 66     | OH500 | 8,502     | 138     | 16,42   | F2R0   | "       | 92,157  | 276     | 45,94  |        |
|         |         |         |        | OH2CP | 3515      | 56      | 11,26   | F6DLM  | "       | 38,400  | 125     | 48,102 |        |
|         |         |         |        | OH5TS | 493,038   | 1591    | 30,87   | F6DEO  | "       | 38,115  | 196     | 30,69  |        |
|         |         |         |        | OH1HB | 99,360    | 409     | 30,78   | F6BJA  | "       | 14,820  | 95      | 24,36  |        |
|         |         |         |        | OH2FS | 91,876    | 390     | 26,77   | F6DP   | "       | 12,920  | 116     | 19,49  |        |
|         |         |         |        | OH5LP | 54,600    | 512     | 19,59   | F6EP0  | "       | 10,290  | 108     | 23,47  |        |
|         |         |         |        |       |           |         |         | F6BV8  | 28      | 73,720  | 389     | 22,54  |        |
|         |         |         |        |       |           |         |         | F6EEM  | "       | 57,072  | 303     | 21,61  |        |
|         |         |         |        |       |           |         |         | F2VO   | "       | 3,892   | 59      | 59     |        |

**BEWARE!!**

Aluminum towers are not usually as strong as steel towers — ask for engineering facts before purchasing any tower. Aluminum towers, in most cases, are one-half as strong as steel towers within the same price range.

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|                      |    |           |      |     |     |              |     |           |      |    |     |                |    |         |      |    |     |                    |     |         |      |    |     |
|----------------------|----|-----------|------|-----|-----|--------------|-----|-----------|------|----|-----|----------------|----|---------|------|----|-----|--------------------|-----|---------|------|----|-----|
| F6CMO                | "  | 2,132     | 34   | 11  | 15  | DJ0XT        | "   | 64,330    | 331  | 23 | 47  | DM2CPD         | "  | 1,056   | 26   | 8  | 8   | HA5HM              | "   | 1,410   | 32   | 8  | 22  |
| F9GL                 | 14 | 218,253   | 759  | 37  | 96  | DK5VO        | "   | 47,196    | 214  | 29 | 63  | DM4SDA         | "  | 126     | 6    | 3  | 4   | Iceland            | "   | 57,204  | 285  | 27 | 57  |
| F6FHA                | "  | 4,641     | 89   | 9   | 30  | DL9HN        | "   | 47,034    | 240  | 22 | 56  | DM2DSG         | 21 | 12,349  | 123  | 15 | 38  | TF3US              | A   | 63,706  | 450  | 31 | 75  |
| F6EMP                | "  | 2,652     | 42   | 11  | 32  | DK8JB        | "   | 41,544    | 246  | 24 | 48  | DM2AOI         | "  | 11,640  | 79   | 19 | 41  | K4IIH/T/F          | "   | 55,175  | 165  | 22 | 31  |
| <b>GERMANY (FRG)</b> |    |           |      |     |     | DJ6XG        | "   | 41,339    | 211  | 25 | 42  | DT2AJH         | "  | 10,904  | 104  | 16 | 42  | PA3SKP             | "   | 82,017  | 317  | 30 | 87  |
| DK8FZ                | A  | 3,189,028 | 2872 | 103 | 325 | DK1NF        | "   | 28,696    | 158  | 23 | 45  | DM2FBN         | "  | 6,996   | 68   | 12 | 28  | PA3RRS             | 21  | 9,945   | 211  | 5  | 40  |
| DJ4PT                | "  | 3,173,184 | 2880 | 124 | 324 | DK4IO        | "   | 20,820    | 165  | 20 | 40  | DT4YUL         | "  | 6,232   | 88   | 12 | 29  | PA1PT              | "   | 6,850   | "    | "  | "   |
| DLBUI                | "  | 2,474,155 | 2322 | 114 | 329 | DL3ZI        | "   | 18,368    | 101  | 28 | 54  | DM2FM          | "  | 5,280   | 85   | 12 | 28  | <b>NORWAY</b>      | "   | "       | "    | "  | "   |
| DJ6OT                | "  | 1,720,612 | 1584 | 109 | 334 | DJ4EJ        | "   | 12,870    | 91   | 18 | 37  | DM2BHA         | "  | 2,075   | 39   | 8  | 17  | LA1NG              | A   | 800,372 | 1299 | 69 | 223 |
| DJ3JH                | "  | 1,477,440 | 1986 | 82  | 222 | DL2RM        | "   | 7,272     | 86   | 14 | 22  | DM3UGO         | "  | 918     | 32   | 6  | 11  | LA6OJ              | "   | 342,291 | 753  | 69 | 144 |
| DK1OC                | "  | 1,356,089 | 1637 | 95  | 232 | DF3OE        | "   | 1,638     | 38   | 9  | 29  | DT3UE          | "  | 720     | 24   | 7  | 9   | LA5YJ              | "   | 340,959 | 594  | 80 | 187 |
| DK8NG                | "  | 1,044,528 | 1213 | 95  | 281 | DL9SNA       | 21  | 92,340    | 377  | 23 | 72  | DT3FZN         | 14 | 16,434  | 211  | 15 | 43  | LA2AD              | "   | 73,856  | 292  | 40 | 88  |
| DJ4ZR                | "  | 994,740   | 1303 | 82  | 199 | DJ9ZB        | "   | 46,920    | 277  | 20 | 65  | DM4MSM         | "  | 16,046  | 145  | 22 | 49  | LA4WV              | "   | 37,088  | 223  | 37 | 85  |
| DL7RT                | "  | 977,760   | 1188 | 90  | 270 | DK3JU        | "   | 22,287    | 152  | 17 | 40  | DM4YJM         | "  | 15,309  | 196  | 12 | 51  | LA4HH              | "   | 23,836  | 84   | 45 | 73  |
| DJ5JH                | "  | 935,136   | 960  | 101 | 281 | DL3AH        | 14  | 85,680    | 303  | 33 | 93  | DM2EH          | "  | 13,104  | 200  | 10 | 46  | LA9HW              | "   | 19,656  | 158  | 33 | 45  |
| DK3SN                | "  | 728,460   | 961  | 79  | 206 | DK5WN        | 7   | 51,938    | 550  | 16 | 58  | DM5WVL         | "  | 8,944   | 143  | 11 | 41  | LA5BV              | "   | 11,316  | 106  | 19 | 50  |
| DF7FH                | "  | 696,655   | 1100 | 75  | 202 | DJ2XU        | "   | 7,972     | 53   | 6  | 28  | DM2FLN         | "  | 6,900   | 122  | 9  | 37  | LA4R               | "   | 9,542   | 85   | 17 | 27  |
| DJ9MH                | "  | 615,288   | 813  | 97  | 275 | DA1QO        | 3.8 | 24,704    | 339  | 11 | 53  | DT2BTB         | "  | 6,298   | 116  | 10 | 37  | LA4RQ              | "   | 3,549   | 66   | 12 | 29  |
| DJ2TI                | "  | 524,238   | 779  | 76  | 210 | DJ8WL        | 1.8 | 3,887     | 153  | 5  | 18  | DM2CJ          | "  | 4,982   | 48   | 16 | 37  | LA9ML              | "   | 3,496   | 59   | 17 | 29  |
| DJ4PI                | "  | 408,672   | 536  | 97  | 255 | DL8OS        | "   | 33,095    | 620  | 65 | 152 | DM5BPH         | "  | 648     | 25   | 5  | 13  | LA7SI              | "   | 1,769   | 53   | 9  | 20  |
| DJ8JY                | "  | 257,712   | 559  | 62  | 106 | DT2DUK       | A   | 2,646,000 | 2714 | 99 | 293 | DM5JBN         | "  | 528     | 22   | 8  | 16  | LA9ZV              | "   | 89,903  | 326  | 33 | 88  |
| DJ3ST                | "  | 218,027   | 407  | 67  | 196 | DM2CDL       | "   | 1,026,672 | 1347 | 82 | 210 | DM2FHO         | "  | 2,187   | 86   | 4  | 23  | LA2ZM              | 14  | 52,614  | 422  | 23 | 56  |
| DJ8UV                | "  | 200,244   | 566  | 57  | 189 | DM2BJU       | "   | 517,321   | 931  | 73 | 208 | DM2BQ          | "  | 1,650   | 69   | 4  | 25  | LA6DU              | "   | 38,544  | 337  | 22 | 51  |
| DK8AX                | "  | 199,584   | 495  | 58  | 158 | DT2CUO       | "   | 432,365   | 992  | 56 | 159 | DM3XPE         | "  | 201,576 | 615  | 61 | 166 | LA5QK              | 3.8 | 10,396  | 214  | 7  | 39  |
| DF2HL                | "  | 188,596   | 405  | 63  | 166 | DK3WD        | "   | 127,666   | 566  | 53 | 141 | DM4WFF         | "  | 12,666  | 162  | 11 | 41  | LA4YW              | "   | 1,943   | 71   | 3  | 26  |
| DJ7XB                | "  | 153,260   | 350  | 63  | 131 | DT3VA        | "   | 168,796   | 454  | 56 | 142 | DM4YK          | "  | 133,496 | 483  | 52 | 112 | <b>POLAND</b>      |     |         |      |    |     |
| DJ3GI                | "  | 143,682   | 286  | 70  | 161 | DK4RDA       | "   | 132,212   | 269  | 71 | 133 | DM4RDA         | "  | 123,640 | 230  | 71 | 149 | SP9CTW             | A   | 466,578 | 615  | 88 | 234 |
| DK8OP                | "  | 138,634   | 630  | 29  | 49  | DM3HF        | "   | 104,718   | 315  | 51 | 135 | DM4VFP         | "  | 42,020  | 233  | 28 | 81  | SP5GDR             | "   | 422,532 | 872  | 75 | 216 |
| DL3PN                | "  | 136,390   | 439  | 44  | 71  | DM2BTQ       | "   | 104,718   | 315  | 51 | 135 | DM2CRB         | "  | 36,992  | 496  | 12 | 52  | SP9XAM             | "   | 309,060 | 541  | 73 | 182 |
| DJ2UU                | "  | 134,420   | 327  | 61  | 159 | DM4BK        | "   | 96,264    | 405  | 42 | 126 | DM2FUA         | "  | 7,257   | 176  | 6  | 35  | SP9BDQ             | "   | 99,160  | 286  | 59 | 126 |
| DF3ZV                | "  | 123,324   | 439  | 44  | 128 | DM5VFL       | "   | 16,700    | 596  | 19 | 51  | DM2FQ          | "  | 248,008 | 766  | 31 | 85  | SP2HG              | "   | 63,204  | 314  | 42 | 96  |
| DJ9GW                | "  | 106,085   | 205  | 68  | 177 | DM3VAA       | "   | 166,796   | 454  | 56 | 142 | DM2FQL         | "  | 156     | 11   | 4  | 9   | SP1GHW             | "   | 58,050  | 256  | 45 | 105 |
| DK8KC                | "  | 105,612   | 373  | 42  | 114 | DM4VY        | "   | 66,156    | 363  | 32 | 94  | DM2FZB         | "  | 1,764   | 100  | 3  | 14  | SP6DMT             | "   | 42,390  | 218  | 37 | 98  |
| DF2RD                | "  | 105,040   | 306  | 47  | 83  | DM2DKK       | "   | 63,648    | 319  | 36 | 100 | (OPR. GU9MBS)  | "  | 244,215 | 82   | 34 | 101 | SP9CSU             | "   | 22,260  | 170  | 24 | 60  |
| DJ5MC                | "  | 101,355   | 319  | 48  | 97  | DM3EA        | "   | 22,470    | 79   | 44 | 61  | DM4FV          | "  | 12,960  | 147  | 15 | 45  | SP2GHB             | "   | 18,315  | 143  | 28 | 71  |
| DI1MD                | "  | 93,312    | 269  | 44  | 100 | DM3YEL       | "   | 21,390    | 80   | 39 | 54  | DM5RHN         | "  | 7,503   | 97   | 17 | 44  | SP6HCR             | "   | 13,500  | 61   | 16 | 29  |
| DI2JQ                | "  | 59,492    | 254  | 40  | 99  | DM3VF        | "   | 42,020    | 233  | 28 | 81  | DM5WGL         | "  | 5,044   | 93   | 9  | 43  | SP9HNV             | "   | 11,400  | 161  | 16 | 41  |
| DF4BO                | "  | 51,480    | 276  | 30  | 87  | DM3BF        | "   | 39,420    | 208  | 38 | 108 | DM4VLP         | "  | 1,012   | 31   | 9  | 14  | SP9HVN             | "   | 7,623   | 96   | 18 | 45  |
| DL7QG                | "  | 50,052    | 165  | 41  | 88  | DM2BK        | "   | 39,096    | 347  | 24 | 84  | DM5VLA         | "  | 657,748 | 1129 | 94 | 244 | SP9BPF             | "   | 193,068 | 598  | 33 | 91  |
| DF8XP                | "  | 47,872    | 188  | 36  | 92  | DM5ZLG       | "   | 25,896    | 176  | 31 | 73  | DM4WZA         | "  | 1,300   | 21   | 10 | 15  | SP6AN              | "   | 108,540 | 387  | 29 | 79  |
| DK5KJ                | "  | 33,950    | 177  | 36  | 84  | DM3UH        | "   | 25,484    | 117  | 36 | 56  | DM4LG          | "  | 9,912   | 92   | 15 | 27  | SP6DXG             | "   | 90,111  | 356  | 26 | 67  |
| DA1EG                | "  | 28,704    | 144  | 36  | 68  | DM3EA        | "   | 22,470    | 79   | 44 | 61  | DM4LG          | "  | 609,770 | 1350 | 78 | 203 | SP5BB              | "   | 65,100  | 256  | 27 | 73  |
| DF2RG                | "  | 8,845     | 78   | 23  | 38  | DM4YEL       | "   | 21,390    | 80   | 39 | 54  | DM5RHN         | "  | 91,104  | 383  | 45 | 111 | SP6HRK             | "   | 18,420  | 87   | 19 | 41  |
| DK5WC                | "  | 2,842     | 35   | 15  | 14  | DM3VF        | "   | 7,503     | 97   | 17 | 44  | DM5WGL         | "  | 1,012   | 31   | 9  | 14  | SP9AI              | "   | 281,050 | 869  | 31 | 79  |
| DF6YC                | "  | 1,160     | 38   | 9   | 14  | DM4VLP       | "   | 5,044     | 93   | 9  | 43  | DM4VLP         | "  | 713,106 | 1029 | 94 | 252 | SP9BPF             | "   | 193,068 | 598  | 33 | 91  |
| DK5WL                | 28 | 1,000,368 | 2480 | 36  | 108 | DM4VLP       | "   | 30,225    | 177  | 22 | 43  | DM5VLA         | "  | 657,748 | 1129 | 94 | 244 | SP6AN              | "   | 108,540 | 387  | 29 | 79  |
| DJ7LJ                | "  | 658,420   | 1810 | 37  | 133 | DM3WMJ       | 28  | 70,470    | 328  | 26 | 61  | (OPR. GU9MBS)  | "  | 609,770 | 1350 | 78 | 203 | SP5BB              | "   | 65,100  | 256  | 27 | 73  |
| DK8AU                | "  | 384,429   | 1175 | 35  | 92  | DM3WMJ       | "   | 30,225    | 177  | 22 | 43  | DM4VLP         | "  | 91,104  | 383  | 45 | 111 | SP6HRK             | "   | 18,420  | 87   | 19 | 41  |
| DJ4XA                | "  | 275,717   | 808  | 33  | 94  | DM4OLG       | "   | 20,064    | 140  | 20 | 37  | DM5VLA         | "  | 42,658  | 412  | 18 | 59  | SP9AI              | "   | 281,050 | 869  | 31 | 79  |
| DJ1ZU                | "  | 247,936   | 845  | 28  | 76  | DM4WZA       | "   | 12,540    | 133  | 13 | 25  | DM4LG          | "  | 6,120   | 75   | 12 | 33  | SP9BPF             | "   | 193,068 | 598  | 33 | 91  |
| DK4ST                | "  | 195,804   | 831  | 26  | 58  | DM4LG        | "   | 306       | 13   | 13 | 19  | DM4LG          | "  | 840     | 26   | 10 | 20  | SP6AN              | "   | 108,540 | 387  | 29 | 79  |
| DJ7IK                | "  | 179,250   | 509  | 35  | 115 | DM3XWV       | "   | 9,912     | 92   | 15 | 27  | DM4LG          | "  | 294,910 | 971  | 32 | 77  | SP5BB              | "   | 42,658  | 412  | 18 | 59  |
| DK9RM                | "  | 74,784    | 377  | 24  | 52  | DM3XWV       | "   | 5,236     | 64   | 11 | 17  | DM4LG          | "  | 524,755 | 1570 | 38 | 107 | SP6DXG             | "   | 17,861  | 139  | 16 | 37  |
| DF2KD                | "  | 74,460    | 400  | 23  | 45  | 3WYJ         | "   | 4,050     | 57   | 10 | 17  | DM3ZJL         | "  | 3,264   | 51   | 13 | 19  | SP9FT              | "   | 11,100  | 88   | 24 | 26  |
| DJ4SO                | "  | 71,118    | 333  | 26  | 55  | CT3LE        | "   | 4,050     | 57   | 10 | 17  | HA4KY/BP       | "  | 179,444 | 856  | 33 | 80  | SP9PT              | "   | 7,584   | 54   | 17 | 31  |
| DF8XC                | "  | 69,445    | 285  | 28  | 67  | DM3ZJL       | "   | 3,264     | 51   | 13 | 19  | HA4KY/BP       | "  | 384     | 8    | 8  | 8   | SP9ZD              | "   | 2,926   | 49   | 9  | 13  |
| <b>GERMANY (GDR)</b> |    |           |      |     |     | <b>ITALY</b> |     |           |      |    |     | <b>IRELAND</b> |    |         |      |    |     | <b>NETHERLANDS</b> |     |         |      |    |     |
| <b>GERMANY (FR</b>   |    |           |      |     |     |              |     |           |      |    |     |                |    |         |      |    |     |                    |     |         |      |    |     |

|                 |     |               |     |    |     |                         |     |           |         |     |     |    |  |  |  |  |
|-----------------|-----|---------------|-----|----|-----|-------------------------|-----|-----------|---------|-----|-----|----|--|--|--|--|
| SP9BLF          | 21  | 48,025        | 279 | 24 | 62  | Y08BGE                  | 28  | 4,773     | 56      | 12  | 31  |    |  |  |  |  |
| SP5DDJ          | "   | 30,000        | 205 | 21 | 54  | Y08KGF                  | "   | 3,900     | 58      | 9   | 21  |    |  |  |  |  |
| SP6IHE          | "   | 23,525        | 172 | 17 | 46  | (OPR. Y08BDN)           | "   |           |         |     |     |    |  |  |  |  |
| SP9EVP          | "   | 21,670        | 201 | 16 | 39  | Y05BQ                   | 21  | 46,960    | 331     | 23  | 57  |    |  |  |  |  |
| SP6ECA          | "   | 16,184        | 98  | 18 | 50  | Y04BR                   | 14  | 17,640    | 139     | 4   | 56  |    |  |  |  |  |
| SP6AOI          | "   | 11,236        | 121 | 17 | 36  | Y08FR                   | "   | 6,795     | 110     | 13  | 32  |    |  |  |  |  |
| SP9AKD          | "   | 7,612         | 112 | 13 | 21  | Y06AVB                  | "   | 1,953     | 59      | 5   | 26  |    |  |  |  |  |
| SP9AXT          | "   | 6,697         | 82  | 12 | 25  | Y04KCP                  | 7   | 5,056     | 131     | 6   | 26  |    |  |  |  |  |
| SP6CUZ          | "   | 2,475         | 43  | 10 | 23  | Y03CDN                  | "   | 512       | 39      | 4   | 12  |    |  |  |  |  |
| SP9AD           | "   | 2,160         | 42  | 10 | 14  | Y06MD                   | 3.8 | 782       | 47      | 4   | 13  |    |  |  |  |  |
| SP9CJU          | "   | 1,272         | 39  | 7  | 17  | <b>SARDINIA</b>         |     |           |         |     |     |    |  |  |  |  |
| SP9EAQ          | 14  | 97,112        | 462 | 33 | 85  | ISOMVE                  | 28  | 78,128    | 526     | 19  | 57  |    |  |  |  |  |
| SP2FAP          | "   | 80,535        | 525 | 26 | 79  | <b>SCOTLAND</b>         |     |           |         |     |     |    |  |  |  |  |
| SP9IVC          | "   | 55,506        | 398 | 22 | 65  | GM3BCL                  | A   | 129,091   | 383     | 42  | 125 |    |  |  |  |  |
| SP9GCCU         | "   | 44,792        | 355 | 23 | 65  | GM4GRC                  | 28  | 245,794   | 815     | 31  | 87  |    |  |  |  |  |
| SP9DSX          | "   | 19,440        | 171 | 21 | 51  | (OPR. GM3YOR)           | "   |           |         |     |     |    |  |  |  |  |
| SP9PDU          | "   | 14,896        | 206 | 14 | 51  | GM3LYI                  | "   | 123,840   | 507     | 23  | 73  |    |  |  |  |  |
| SP3KEY          | "   | 13,632        | 90  | 21 | 50  | GM5AIW                  | 21  | 9,758     | 84      | 16  | 25  |    |  |  |  |  |
| SP3BLT          | "   | 5,247         | 64  | 14 | 39  | GM3ZSP                  | 1.8 | 4,179     | 176     | 4   | 17  |    |  |  |  |  |
| SP3BU           | "   | 5,170         | 56  | 17 | 38  | <b>SHETLAND ISLANDS</b> |     |           |         |     |     |    |  |  |  |  |
| SP9AVZ          | "   | 3,848         | 90  | 8  | 29  | GM4GPN                  | A   | 375,508   | 944     | 55  | 177 |    |  |  |  |  |
| SP9CHL          | "   | 2,325         | 29  | 14 | 17  | <b>SICILY</b>           |     |           |         |     |     |    |  |  |  |  |
| SP7BCA          | "   | 1,485         | 41  | 8  | 19  | IT9RYJ                  | 9   | 28        | 129,200 | 673 | 27  | 73 |  |  |  |  |
| SP3D01          | 7   | 198,198       | 714 | 31 | 90  | IT9LMK                  | 21  | 37,900    | 291     | 21  | 51  |    |  |  |  |  |
| SP9JDZ          | "   | 7,412         | 233 | 6  | 28  | <b>SPAIN</b>            |     |           |         |     |     |    |  |  |  |  |
| SP9PSII         | "   | 2,822         | 70  | 8  | 26  | EA4LH                   | A   | 3,119,310 | 2868    | 110 | 295 |    |  |  |  |  |
| SP9D3E          | "   | 2,482         | 62  | 9  | 24  | EA3ADW                  | "   | 1,700,224 | 1950    | 103 | 256 |    |  |  |  |  |
| SP6AGD          | "   | 2,464         | 90  | 4  | 24  | EA5TD                   | "   | 1,137,396 | 1490    | 83  | 234 |    |  |  |  |  |
| SP9EMI          | "   | 2,376         | 60  | 7  | 26  | EA3AIN                  | "   | 691,913   | 354     | 69  | 198 |    |  |  |  |  |
| SP9IGY          | 3.8 | 7,257         | 170 | 6  | 35  | EA1MC                   | "   | 257,610   | 623     | 51  | 104 |    |  |  |  |  |
| SP6UK           | "   | 7,200         | 160 | 6  | 39  | EA7TV                   | "   | 163,080   | 527     | 38  | 82  |    |  |  |  |  |
| SP9KBW          | "   | 6,688         | 203 | 6  | 26  | EA1DH                   | "   | 120,012   | 410     | 37  | 100 |    |  |  |  |  |
| SP6CZ           | "   | 5,427         | 184 | 4  | 27  | EA3ALV                  | "   | 60,350    | 192     | 43  | 99  |    |  |  |  |  |
| SP1IGZ          | "   | 4,230         | 140 | 5  | 25  | EA1YI                   | "   | 48,700    | 251     | 25  | 75  |    |  |  |  |  |
| SP9EQZ          | "   | 4,032         | 112 | 5  | 31  | EA4DO                   | "   | 30,120    | 135     | 42  | 78  |    |  |  |  |  |
| SP9JZK          | "   | 3,224         | 102 | 5  | 26  | EA7AFV                  | "   | 30,048    | 162     | 30  | 69  |    |  |  |  |  |
| SP9HZF          | "   | 1,794         | 68  | 5  | 21  | EA1UZ                   | "   | 20,215    | 142     | 18  | 47  |    |  |  |  |  |
| SP93O           | "   | 17            | 13  | 2  | 7   | EA1RF                   | "   | 18,565    | 108     | 32  | 47  |    |  |  |  |  |
| SP3ZAU          | "   | 48            | 8   | 2  | 4   | EA2ON                   | "   | 11,658    | 48      | 41  | 46  |    |  |  |  |  |
| <b>PORTUGAL</b> |     |               |     |    |     |                         |     |           |         |     |     |    |  |  |  |  |
| CT4IM           | A   | 329,284       | 636 | 53 | 133 | EA3AQC                  | 28  | 181,467   | 700     | 31  | 86  |    |  |  |  |  |
| CT6UA           | "   | 181,888       | 575 | 41 | 93  | EA1TA                   | "   | 78,208    | 379     | 26  | 68  |    |  |  |  |  |
| CT1DW           | "   | 48,564        | 243 | 32 | 82  | EA3NA                   | "   | 62,271    | 272     | 29  | 70  |    |  |  |  |  |
| CT1MZ           | "   | 21,056        | 93  | 39 | 73  | EA7AD                   | "   | 43,706    | 238     | 25  | 57  |    |  |  |  |  |
| CT4RH           | 28  | 23,940        | 228 | 20 | 37  | FA3AB                   | "   | 11,928    | 137     | 12  | 30  |    |  |  |  |  |
| CT4CP           | "   | 14,690        | 124 | 17 | 48  | FA3A00                  | "   | 11,466    | 135     | 13  | 29  |    |  |  |  |  |
| CT7AL           | 21  | 31,155        | 356 | 10 | 21  | FA2LY                   | "   | 9,504     | 108     | 15  | 29  |    |  |  |  |  |
| CT4OK           | "   | 10,317        | 105 | 17 | 40  | FA2OJ                   | "   | 855       | 17      | 9   | 10  |    |  |  |  |  |
| CT1BY           | 14  | 103,875       | 518 | 22 | 53  | EA21A                   | 21  | 719,432   | 2388    | 28  | 88  |    |  |  |  |  |
| CT1WA           | "   | 25,272        | 190 | 21 | 57  | FA3SA                   | "   | 70,658    | 299     | 28  | 75  |    |  |  |  |  |
| Y06AWR          | A   | 390,180       | 867 | 58 | 152 | FA4VD                   | "   | 24,192    | 217     | 17  | 55  |    |  |  |  |  |
| Y03RF           | "   | 28,684        | 106 | 37 | 64  | EA3KO                   | 14  | 20,325    | 134     | 22  | 53  |    |  |  |  |  |
| Y08ATT          | "   | 22,048        | 130 | 32 | 72  | EA7AQY                  | "   | 7,260     | 80      | 11  | 33  |    |  |  |  |  |
| Y03AC           | "   | 21,830        | 112 | 26 | 48  | FA7AAW                  | "   | 117       | 5       | 4   | 5   |    |  |  |  |  |
| Y06LV           | "   | 20,328        | 211 | 16 | 68  | <b>ROMANIA</b>          |     |           |         |     |     |    |  |  |  |  |
| Y03JJ           | "   | 18,614        | 110 | 29 | 53  | <b>YUGOSLAVIA</b>       |     |           |         |     |     |    |  |  |  |  |
| Y08FZ           | "   | 2,874         | 54  | 33 | 49  | <b>SWEDEN</b>           |     |           |         |     |     |    |  |  |  |  |
| Y08BGE          | 28  | 4,773         | 56  | 12 | 31  | SM9AJU                  | A   | 635,850   | 747     | 102 | 303 |    |  |  |  |  |
| Y08KGF          | "   | 3,900         | 58  | 9  | 21  | SM9BIZ                  | "   | 308,610   | 627     | 66  | 177 |    |  |  |  |  |
| Y08BDN          | "   | (OPR. Y08BDN) | "   |    |     | SM9DJZ                  | "   | 183,678   | 473     | 63  | 190 |    |  |  |  |  |
| Y08BBN          | "   |               |     |    |     | SM7AIO                  | "   | 98,532    | 342     | 40  | 113 |    |  |  |  |  |
| Y08BDM          | "   |               |     |    |     | SM6CMU                  | "   | 67,080    | 195     | 58  | 114 |    |  |  |  |  |
| Y08BDR          | "   |               |     |    |     | SM6ETA                  | "   | 65,283    | 366     | 37  | 59  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM7TV                   | "   | 63,118    | 277     | 39  | 85  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM7ABL                  | "   | 50,222    | 187     | 38  | 86  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM5AAY                  | "   | 47,634    | 205     | 36  | 66  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM5CSS                  | "   | 43,423    | 153     | 44  | 88  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM5RE                   | "   | 34,170    | 196     | 33  | 69  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM9HEK                  | "   | 28,798    | 195     | 25  | 67  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM7DBA                  | "   | 17,024    | 106     | 34  | 42  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM5HSX/3                | "   | 7,452     | 80      | 19  | 50  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM7GCO                  | "   | 4,545     | 63      | 17  | 28  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM6CDE                  | "   | 4,480     | 52      | 18  | 38  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM6EDH                  | "   | 4,387     | 43      | 18  | 23  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM3JL                   | "   | 4,032     | 29      | 28  | 28  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM7AQD                  | "   | 800       | 16      | 12  | 13  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM9ADD                  | 28  | 469,994   | 1438    | 32  | 86  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM6E0C                  | "   | 392,520   | 1164    | 34  | 86  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM9HPB                  | "   | 232,180   | 878     | 26  | 67  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM9GMZ                  | "   | 155,630   | 626     | 29  | 61  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM3HUA                  | "   | 77,599    | 455     | 26  | 47  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM6FK                   | "   | 66,847    | 418     | 20  | 39  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM3DNJ                  | "   | 63,262    | 319     | 28  | 66  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM3DSP                  | "   | 54,556    | 231     | 27  | 65  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM3GJN                  | "   | 20,984    | 147     | 19  | 42  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM6BXV                  | "   | 15,116    | 76      | 25  | 54  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM7HSP                  | "   | 15,666    | 140     | 15  | 27  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM6CTO                  | "   | 7,749     | 57      | 21  | 42  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM5GA                   | "   | 4,536     | 48      | 17  | 25  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM5GD                   | "   | 3,075     | 37      | 15  | 26  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM9CHA                  | "   | 494       | 20      | 6   | 19  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM6FAX                  | "   | 390       | 18      | 7   | 8   |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM7DMM                  | 21  | 278,943   | 954     | 28  | 83  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM7AZL                  | "   | 105,949   | 424     | 25  | 75  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM5DC                   | "   | 32,285    | 239     | 18  | 37  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM7GKK                  | "   | 1,888     | 27      | 11  | 21  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM9KV                   | 14  | 18,549    | 142     | 21  | 60  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | SM5BNZ                  | 7   | 97,864    | 623     | 24  | 80  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | <b>SWITZERLAND</b>      |     |           |         |     |     |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | HB9BAM                  | A   | 2,050,730 | 2650    | 105 | 256 |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | HB9GI                   | "   | 138,736   | 335     | 155 | 150 |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | HB9DX                   | 21  | 14,946    | 76      | 23  | 71  |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | HB9UD                   | 14  | 1,095     | 25      | 8   | 7   |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | <b>VATICAN CITY</b>     |     |           |         |     |     |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | HV3SJ                   | A   | 456,875   | 850     | 65  | 150 |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | <b>WALES</b>            |     |           |         |     |     |    |  |  |  |  |
| Y08BDS          | "   |               |     |    |     | GW3GHC                  | 28  | 87,087    | 496     | 25  | 62  |    |  |  |  |  |

**SVALBARD**  
JW7FD A 196,084 447 62 126

**YUGOSLAVIA**  
YU2CCJ A 233,192 550 62 141

**YUGOSLAVIA**  
YU1NZW A 165,984 149 52 156

**YUGOSLAVIA**  
YU100N A 1,890 46 6 21

**YUGOSLAVIA**  
YU2R0G 28 789,932 1978 36 107

**YUGOSLAVIA**  
YU3FO 28 648,095 1784 33 96

**YUGOSLAVIA**  
YU1SRJ 28 619,515 1736 33 100

**YUGOSLAVIA**  
YU2CBV 28 452,289 1496 32 75

**YUGOSLAVIA**  
YU2HDE 28 356,703 1056 35 88

**YUGOSLAVIA**  
YU3DCK 28 52,275 236 29 94

**YUGOSLAVIA</b**

|             |       |                |      |         |                  |        |              |         |         |                          |                |                |                |             |                |              |                |        |        |
|-------------|-------|----------------|------|---------|------------------|--------|--------------|---------|---------|--------------------------|----------------|----------------|----------------|-------------|----------------|--------------|----------------|--------|--------|
| UA3DFV      | 3.696 | 44             | 7    | 21      | INDONESIA        | W2KI   | 867/847      | 908     | 93 254  | MEXICO                   | OM4CN          | 166.798        | 500            | 52 144      |                |              |                |        |        |
| KALININGRAD | A     | 407,000        | 902  | 71 204  | Y83AE            | A      | 284,910 1092 | 51      | 71      | XE10W                    | 4,924,362 5696 | 109            | 273            | DM3PL       | 79,872         | 393          | 38 118         |        |        |
| UA2WJ       | A     | 363,024        | 641  | 79 223  | WD4CEM/          | K2FL   | 665/676      | 653     | 96 273  | UNITED NATIONS           | DM3CK          | 11,288         | 173            | 11 57       |                |              |                |        |        |
| UK2FAD      | A     | 69,940         | 356  | 48 29   | KH4              | A      | 860,549 1625 | 70      | 113     | 4U1UN                    | 1,851,185 3852 | 69             | 158            | HUNGARY     | 2,857,960 3219 | 97           | 249            |        |        |
| UA2FBZ      | 14    | 34,808         | 315  | 22 54   | KH4HJU/          | KH4    | 28           | 105,028 | 842     | 19                       | 25             | E8AJO          | 1,980,033 2087 | 85          | 234            | AFRICA       | 2,645,904 2836 | 109    | 289    |
| LATVIA      | A     | 12,012         | 122  | 25 53   | NEW ZEALAND      | W2XL   | 643,104      | 674     | 95 253  | CANARY ISLANDS           | HG5A           | 1,231,995 1766 | 89 256         | INDIA       | 1,231,995 1766 | 89 256       |                |        |        |
| UO2DV       | A     | 375,856        | 1153 | 95 104  | ZL2HE            | A      | 306,544 580  | 76      | 108     | REPUBLIC OF SOUTH AFRICA | HG9KOB         | 779,376 1405   | 76             | 227         | HUNGARIAN      | 779,376 1405 | 76             | 227    |        |
| UO2DDO      | 28    | 230,702        | 750  | 32 90   | ZL3AAX           | "      | 103,740      | 312     | 47      | 27                       | ZS6TJ          | 358,962 704    | 61             | 113         | HUNGARIAN      | 381,876      | 850            | 69 178 |        |
| UQ26A       | "     | 115,024        | 512  | 27 77   | PAPUA-NEW GUINEA | W2AE   | 3/1,397      | 495     | 74 193  | SIERRA LEONE             | HASKJC         | 36C 942        | 740            | 74 184      | AFGHANISTAN    | 342,108      | 831            | 69 188 |        |
| UQ26BW      | "     | 8,140          | 89   | 12 32   | P29NKV           | 28     | 191,952      | 738     | 31      | 62                       | H44DX          | N2CC           | 14,042         | 316         | 58 140         | AFGHANISTAN  | 201,586        | 700    | 52 135 |
| UQ2HO       | 21    | 41,657         | 277  | 20 57   | SOLOMON ISLANDS  | W2ID   | 141,514      | 287     | 46 127  | 9L1CA                    | WA2VEE         | 126,666        | 247            | 50 136      | AFGHANISTAN    | 185,486      | 488            | 52 122 |        |
| UQ2FN       | 14    | 505,246 1604   | 39   | 112     | H44DX            | WA200I | 38,880       | 142     | 34 66   | ASIA                     | WA3JNA         | 1,304,740      | 1045           | 115 330     | AFGHANISTAN    | 184,257      | 627            | 42 135 |        |
| UQ2JU       | "     | 34,830         | 251  | 23 61   | NEW ZEALAND      | K3RA   | 1,304,740    | 1045    | 115 330 | ASIATIC S.S.R.           | WA3KFI         | 1,404          | 115            | 330         | AFGHANISTAN    | 181,450      | 647            | 47 164 |        |
| UQ2NU       | 3.8   | 3,498          | 100  | 6 27    | MIDWAY ISLAND    | W3RQ   | 840,686      | 815     | 101 270 | TF3JB                    | WA3RQ          | 650,066        | 1076           | 69 173      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| LITHUANIA   | A     | 3,142,005 2887 | 118  | 347     | KH4              | N3LR   | 837,060      | 710     | 113 307 | ICELAND                  | 920,484 2004   | 67             | 176            | AFGHANISTAN | 180,755        | 337          | 42 103         |        |        |
| UP2NK       | A     | 1,580,341 1654 | 109  | 292     | WD4CEM/          | W3IGL  | 580,206      | 590     | 100 254 | ITALY                    | 7,087,304 4940 | 131            | 401            | AFGHANISTAN | 180,755        | 337          | 42 103         |        |        |
| UP2NV       | "     | 46,565         | 248  | 36 103  | KH4HJU/          | WA3NAN | 492,250      | 663     | 77 198  | REPUBLIC OF SOUTH AFRICA | 4,858,528 3702 | 128            | 360            | AFGHANISTAN | 180,755        | 337          | 42 103         |        |        |
| UP2AV       | "     | 17,487         | 135  | 24 63   | KH4              | N3AW   | 429,000      | 587     | 75 200  | SIERRA LEONE             | 9L1CA          | 7,367,846 5393 | 118            | 340         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UP2PBW      | "     | 13,446         | 141  | 19 64   | NEW ZEALAND      | W3RQ   | 314,100      | 554     | 58 167  | ASIA                     | KA2V           | 1,456,504      | 1191           | 112 322     | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UP2BBH      | "     | 2,904          | 34   | 15 29   | MIDWAY ISLAND    | K3RA   | 9,776        | 75      | 17 35   | ASIATIC S.S.R.           | KA2V           | 3,352,230 2495 | 128            | 382         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UP2BAR      | 28    | 189,189        | 632  | 28 89   | ARGENTINA        | N4HB   | 1,148,324    | 964     | 111 317 | TF3JB                    | KA2V           | 1,014,144 1588 | 86             | 210         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UP2ND       | "     | 50,856         | 357  | 22 56   | BRAZIL           | AB4H   | 987,360      | 939     | 103 260 | GEORGIA                  | KA2V           | 777,699 1032   | 79             | 210         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UP2BCD      | "     | 24,221         | 182  | 18 35   | KH4              | WA4WYN | 816,228      | 816     | 108 261 | NETHERLANDS              | KA2V           | 723,087 1254   | 56             | 181         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UP2FBG      | "     | 9,006          | 108  | 1 27    | BRAZIL           | W4PUJ  | 656,019      | 687     | 91 260  | NORWAY                   | KA2V           | 230,866        | 489            | 48 130      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UP2BEL      | "     | 972            | 20   | 9 9     | KH4              | W4EI   | 587,214      | 676     | 92 231  | POLAND                   | KA2V           | 717,320 1124   | 84             | 196         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UP2BAT      | 21    | 59,850         | 366  | 22 68   | BRAZIL           | KD4M   | 519,116      | 618     | 77 221  | ROMANIA                  | KA2V           | 455,336 1148   | 66             | 138         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UP2DM       | "     | 16,676         | 160  | 13 31   | KH4              | WA4MAV | 259,038      | 380     | 75 168  | SWEDEN                   | KA2V           | 1,193,112 1410 | 99             | 193         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| MOLDAVIA    | A     | 366,000        | 920  | 64 186  | BRAZIL           | W4MAV  | 244,856      | 374     | 70 166  | SARDINIA                 | KA2V           | 528,960        | 787            | 83 157      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UO5OGE      | A     | 19,524         | 121  | 34 79   | KH4              | W4AG   | 230,514      | 405     | 62 144  | SWEDEN                   | KA2V           | 499,744        | 873            | 90 134      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UO5OAK      | A     | 19,524         | 121  | 34 79   | KH4              | W4AG   | 210,273      | 348     | 69 148  | SWEDEN                   | KA2V           | 439,990        | 684            | 82 148      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UO5GR       | 28    | 21,714         | 141  | 20 57   | KH4              | W4AG   | 193,968      | 317     | 68 148  | SWEDEN                   | KA2V           | 392,926        | 626            | 81 142      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UO5GNX      | "     | 9,955          | 94   | 17 38   | KH4              | W4AG   | 127,058      | 235     | 57 145  | SWEDEN                   | KA2V           | 286,433        | 501            | 77 126      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UO5DN       | 14    | 51,888         | 282  | 24 70   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 72,114         | 254            | 44 58       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UKRAINE     | A     | 3,551,757      | 2884 | 118 355 | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 57,986         | 243            | 41 38       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5WE       | A     | 448,164        | 929  | 65 171  | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 14,152         | 38             | 27 34       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5VBY      | "     | 187,254        | 566  | 56 150  | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 1,193,112 1410 | 99             | 193         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5MRN      | "     | 127,551        | 461  | 45 138  | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 494,744        | 873            | 90 134      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5MF       | "     | 118,236        | 516  | 43 123  | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 439,990        | 684            | 82 148      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UT5VUJ      | "     | 195,110        | 382  | 44 123  | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 392,926        | 626            | 81 142      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5MAV      | "     | 55,610         | 929  | 33 111  | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 286,433        | 501            | 77 126      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UT5HP       | "     | 55,198         | 257  | 36 107  | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 72,114         | 254            | 44 58       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5ML       | "     | 53,932         | 245  | 34 105  | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 57,986         | 243            | 41 38       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5MDD      | "     | 31,161         | 220  | 26 72   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 14,152         | 38             | 27 34       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5MFZ      | "     | 28,764         | 196  | 28 74   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 1,193,112 1410 | 99             | 193         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5GAD      | "     | 24,849         | 210  | 33 66   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 494,744        | 873            | 90 134      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5HDX      | "     | 48,438         | 290  | 22 58   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 439,990        | 684            | 82 148      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5UD       | "     | 35,392         | 344  | 12 44   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 392,926        | 626            | 81 142      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5MCF      | "     | 33,600         | 244  | 23 47   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 286,433        | 501            | 77 126      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5VAA      | "     | 123,831        | 199  | 16 41   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 72,114         | 254            | 44 58       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5VVA      | "     | 9,856          | 62   | 21 35   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 57,986         | 243            | 41 38       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UT5RT       | 21    | 399,600        | 1216 | 38 106  | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 14,152         | 38             | 27 34       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5ABK      | "     | 222,210        | 1034 | 23 67   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 1,193,112 1410 | 99             | 193         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5HCW      | "     | 26,460         | 218  | 18 45   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 494,744        | 873            | 90 134      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UY5EG       | 14    | 357,159        | 1230 | 36 137  | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 439,990        | 684            | 82 148      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5ABJ      | "     | 73,900         | 444  | 27 73   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 392,926        | 626            | 81 142      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5VAAW     | "     | 24,470         | 314  | 12 48   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 286,433        | 501            | 77 126      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5MGV      | "     | 13,272         | 226  | 16 50   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 72,114         | 254            | 44 58       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5SJ       | "     | 18,60          | 117  | 24 56   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 57,986         | 243            | 41 38       | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5IIA      | 7     | 25,550         | 288  | 16 54   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 1,193,112 1410 | 99             | 193         | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5XBU      | 3.8   | 20,706         | 277  | 24 56   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 494,744        | 873            | 90 134      | AFGHANISTAN    | 180,755      | 337            | 42 103 |        |
| UB5SUBJ     | "     | 17,800         | 304  | 12 38   | KH4              | W4AG   | 124,416      | 251     | 59 133  | SWEDEN                   | KA2V           | 439,990        | 684            | 82 148      | AFGHANISTAN    | 180,755</    |                |        |        |

|                          |                              |                       |                               |                              |                         |
|--------------------------|------------------------------|-----------------------|-------------------------------|------------------------------|-------------------------|
| UK2PCR                   | 1,409,732 1778 103 291       | W7RM                  | <b>8,269,368 5266 151 413</b> | ASIA                         | SOUTH AMERICA           |
| UK2BAG                   | 771,512 1166 88 234          | W2PV                  | 7,701,540 4325 147 513        | JAPAN                        | COLUMBIA                |
| UK2PAO                   | 458,460 931 67 216           | W3MM                  | 5,905,896 3316 144 492        | 5K3SB                        | 2,607,255 3277 78 189   |
| UK2BCG                   | 99,774 585 33 105            | W1ZM                  | <b>5,400,200 3114 145 475</b> | NETHERLAND ANTILLES          |                         |
| <b>UKRAINE</b>           |                              | W4BVV                 | <b>4,763,987 2628 143 500</b> | PJ9JR                        | 29,211,300 14598147 528 |
| UK5MAG                   | <b>1,565,016 1925 90 275</b> | K5JA                  | <b>4,611,281 2854 146 445</b> | <b>WORLD</b>                 | <b>QRP SECTION</b>      |
| UK5IBB                   | <b>1,205,604 1780 83 241</b> | K8LX                  | <b>4,486,281 2854 146 445</b> | <b>5 watts of Less Input</b> |                         |
| UK5OBE                   | 947,894 1480 87 231          | W/KW                  | 4,191,138 2946 143 375        | V9P9AD                       | A 582,255 1147 64 163   |
| UK5QAV                   | 581,702 1119 72 202          | K3WW                  | 3,798,904 2288 142 454        | DA8V                         | 367,872 666 62 130      |
| UK5MBF                   | 236,098 724 50 144           | W2YV                  | 3,792,278 2595 123 395        | WA4IAR                       | 182,400 332 64 136      |
| UK5WAG                   | 230,472 602 51 165           | W3AA                  | 3,502,830 2201 134 456        | W6POZ                        | 143,100 328 60 99       |
| UK5JAO                   | 153,176 516 50 114           | W3FA                  | 3,452,837 2159 138 433        | DL8PC                        | 109,736 339 53 119      |
| UK5MBE                   | 133,276 579 43 123           | <b>W6RDF</b>          | <b>2,863,597 2308 130 309</b> | K4JRB                        | 103,572 195 62 127      |
| UK5MC0                   | 80,447 428 33 90             | W1RR                  | 2,700,556 1910 125 389        | PA0HLM/P                     | 61,560 220 39 113       |
| UK5UBB                   | 71,878 191 56 106            | W3JPL                 | 2,657,340 1707 136 434        | G3FTQ                        | 59,795 336 36 115       |
| UK5LAS                   | 69,578 400 27 83             | K1RX                  | 2,121,390 1563 120 365        | W6Y2                         | 57,640 237 38 52        |
| UK5MBV                   | 67,578 345 33 88             | K4CG                  | 1,698,228 1274 122 361        | F9YZ                         | 46,080 204 31 65        |
| UK5MCJ                   | 32,829 229 28 65             | W3KWH                 | 1,186,650 1037 113 292        | W6VYK                        | 40,132 191 37 42        |
| UK5MBD                   | 30,260 224 22 67             | <b>W9YH</b>           | <b>1,148,532 946 121 331</b>  | <b>GM3FR</b>                 | <b>28,325 143 29 74</b> |
| UK5MDI                   | 19,092 180 21 53             | W3MA                  | 971,852 8'1 112 315           | WB5PYL                       | 26,416 113 34 70        |
| UK5UBF                   | 132 6 5 6                    | K3II                  | 607,059 645 90 243            | AD5F                         | 24,990 113 44 58        |
| <b>OCEANIA</b>           |                              | WD4CTG                | 411,713 550 80 198            | PA3AEG                       | 16,644 129 25 51        |
| <b>NEW ZEALAND</b>       |                              | K11K                  | 382,659 597 62 167            | JA1BDI                       | 13,536 98 19 29         |
| ZL1AZV                   | 1,317,222 2786 38 124        | A03V                  | 144,824 310 48 124            | PA3AEK                       | 5,940 76 14 19          |
| <b>SOUTH AMERICA</b>     |                              | WB8BAP                | 70,129 222 54 90              | K9LCR                        | 3,082 43 23 23          |
| <b>ARGENTINA</b>         |                              | <b>KL7HR</b>          | <b>5,352,144 6556 102 234</b> | G4BUE                        | 1,980 21 17 19          |
| LU7MAY                   | 2,208,440 2915 83 177        | <b>KL7IH</b>          | <b>3,524,766 4592 92 202</b>  | O2IAYY                       | 1,836 42 11 23          |
| <b>CHILE</b>             |                              | <b>K2NJP/V9P</b>      | <b>2,568,438 3928 87 206</b>  | WA7NSM                       | 1,365 13 7 7            |
| CE2AA                    | 741,258 1228 89 153          | <b>BERMUDA</b>        |                               | K1CQJ                        | 28 63,147 233 25 72     |
| <b>COLUMBIA</b>          |                              | VP2VER                | 9,188,191 8700 113 348        | OK3AG                        | 47,168 219 31 57        |
| HK3AXT                   | 1,482,936 1643 90 222        | <b>CANADA</b>         |                               | OK1ASQ                       | 21 21,231 119 18 45     |
| HK4RCA                   | 970,752 1476 83 173          | VE3KZ                 | 10,612,755 6960 152 483       | WB2ULJ                       | 21,231 119 18 45        |
| <b>ECUADOR</b>           |                              | CF2YM/2               | 457,920 1351 60 100           | JK1AKX                       | 104 5 4 4               |
| HDXE                     | 2,988,216 2558 105 291       | <b>CAYMAN IS.</b>     |                               | KBEEG/Q                      | 6 1 1 1                 |
| <b>FRENCH GUIANA</b>     |                              | ZF2BC                 | 1,830,486 3523 70 176         | I4DLS                        | 14 41,905 300 20 65     |
| FY7BC                    | 8,989,695 6125 124 371       | <b>HAITI</b>          |                               | OK1KSH                       | 2,652 100 6 20          |
| <b>VENEZUELA</b>         |                              | HH2CO                 | 8,301,354 5606 142 445        | AA1K                         | 3.8 3,430 44 11 24      |
| YV5GRD                   | 2,172,240 2342 82 198        | <b>PANAMA</b>         |                               | JA0JCJ                       | 36 3 3 3                |
| 4M5UCV                   | 505,968 877 75 179           | HP1DX                 | 2,948,552 3695 92 242         |                              |                         |
| <b>MULTI-OPERATOR</b>    |                              | <b>ST. MAARTEN</b>    |                               |                              |                         |
| <b>MULTI-TRANSMITTER</b> |                              | PJ8CO                 | 15,998,084 12833 130 430      |                              |                         |
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| <b>U.S.A.</b>            |                              | <b>CANARY ISLANDS</b> |                               |                              |                         |
| N2AA                     | 8,940,909 4530 156 543       | EAO/CU                | 988,560 1380 68 172           | K0A/DUZ                      | 2,238,624 2700 103 185  |
| W3WJD                    | 8,460,605 4292 158 545       |                       |                               |                              |                         |

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G3FTQ 59,795 336 36 115

W6Y2 57,640 237 38 52

F9YZ 46,080 204 31 65

W6VYK 40,132 191 37 42

WB5PYL 28,325 143 29 74

AD5F 26,416 113 34 70

PA3AEG 24,990 113 44 58

JA1BDI 16,644 129 25 51

PA3AEK 13,536 98 19 29

K9LCR 5,940 76 14 19

G4BUE 3,082 43 23 23

O2IAYY 1,980 21 17 19

WA7NSM 1,836 42 11 23

K1CQJ 1,365 13 7 7

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OK1ASQ 47,168 219 31 57

WB2ULJ 21,231 119 18 45

JK1AKX 21,231 119 18 45

KBEEG/Q 104 5 4 4

I4DLS 6 1 1 1

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AA1K 2,652 100 6 20

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36 3 3 3

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