**By Dan Henderson, N1ND**
Contest Branch Manager

# 2000 ARRL 10-Meter Contest Results

Do you remember the early part of December 2000? It will be a long time before most of us forget chad—hanging, dimpled or pregnant—or the detailed and captivating look at a unique moment in American history. For weeks the US and the world waited to see how the drama of the presidential election would play out. On Monday, December 12, 2000 the US Supreme Court issued its decision, which resolved the immediate crisis.

How did you spend those anxious days that led up to an historic moment for our nation? Many avid amateurs kept one eye on the TV screen but escaped from the drama by participating in the 2000 ARRL 10-Meter Contest. Great propagation worldwide seemed to surpass the great electoral decision as a record 2875 logs were received—surpassing the 1999 contest as the largest ARRL contest ever. These logs represented a total of over 3300 participants and came from all 50 states, each ARRL/RAC section, and from 108 DXCC entities.

Great conditions and record participation brought record-breaking performances. All-time record scores were set in four of the ten categories. There were also a total of 39 new ARRL/RAC division records set during the event.

**I4UFH was constantly reminded by the certificates on the wall in front of him of the task of excellence for which he was striving, and responded by taking the CT8T station to another first-place DX finish.**

## Top Ten, W/VE

**Mixed Mode, QRP**

| | |
|---|---|
| N6MU | 884,510 |
| NA4CW | 491,062 |
| VE3KZ | 475,610 |
| WA8RCN | 405,594 |
| KØOU | 396,100 |
| K6XX | 365,944 |
| W3PP | 365,928 |
| WA6FGV | 297,838 |
| W4DEC | 290,550 |
| WT3W | 288,144 |

**Mixed Mode, Low Power**

| | |
|---|---|
| K1RO | 1,476,984 |
| KG9X | 1,327,104 |
| NA2U | 1,189,524 |
| W3EP | 1,159,152 |
| NØAT | 1,040,736 |
| WD5K | 1,004,850 |
| N7LOX | 947,968 |
| K6RO | 938,956 |
| KØTT | 932,062 |
| KØOB | 828,240 |

**Mixed Mode, High Power**

| | |
|---|---|
| KQ2M | 2,747,164 |
| WC4E | 2,472,804 |
| W2GG | 2,430,912 |
| W4MYA | 2,087,784 |
| K9NW | 2,049,822 |
| K3ZO | 1,918,848 |
| N8OO | 1,915,812 |
| VE6JY (VE7CC,op) | 1,830,168 |
| N4ZC (K4ZA,op) | 1,742,034 |
| WØSD (WØDB,op) | 1,725,498 |

**Phone Only, QRP**

| | |
|---|---|
| N2NHN | 112,860 |
| KD2UF | 109,868 |
| VE3BUC | 90,800 |
| W4TD | 89,232 |
| NY6DX | 88,000 |
| KIØII | 75,848 |
| N8MWK | 68,704 |
| N1LW | 66,640 |
| AB2IW | 61,060 |
| N3ELK | 61,000 |

**Phone Only, Low Power**

| | |
|---|---|
| N4OX | 418,112 |
| KK2ED | 359,452 |
| KTØDX | 350,000 |
| ACØW | 344,760 |
| N1IR | 333,940 |
| ND8DX | 306,240 |
| N1SV | 303,134 |
| AA5FJ | 291,868 |
| K4UCF (KD4RWN,op) | 277,704 |
| KS2G | 269,276 |

**Phone Only, High Power**

| | |
|---|---|
| W5PR | 1,035,702 |
| K4XS | 1,003,932 |
| K5TR | 955,638 |
| W9RE | 907,200 |
| K1AM | 857,308 |
| WB9Z | 763,464 |
| K6LL | 758,608 |
| K3EST | 743,204 |
| K7RI | 738,948 |
| K6IF | 714,168 |

**CW Only, QRP**

| | |
|---|---|
| KG5U | 402,144 |
| K5AM | 278,200 |
| K9AY | 276,860 |
| NØUR | 266,832 |
| K7ED (WAØRJY,op) | 262,200 |
| VA3RU | 247,044 |
| VA3EU | 241,500 |
| WO2N | 232,288 |
| AA1CA | 216,140 |
| N9UC (WO9S,op) | 213,796 |

**CW Only, Low Power**

| | |
|---|---|
| K1TO | 1,094,616 |
| WE1USA | 911,232 |
| K1VUT | 873,600 |
| W5TM (W5AO,op) | 796,960 |
| WD4AHZ | 745,740 |
| WQ5W | 711,808 |
| N5DO | 684,472 |
| K4AO | 670,208 |
| N4ZI | 668,160 |
| W1WAI | 661,436 |

**CW Only, High Power**

| | |
|---|---|
| W4ZV | 1,433,952 |
| W4AN (W4PA,op) | 1,331,712 |
| K2VV | 1,278,668 |
| N4BP | 1,271,808 |
| VO1MP | 1,118,880 |
| N4ZZ | 1,114,260 |
| K1PT | 1,076,896 |
| W6EEN (N6RT,op) | 1,049,472 |
| N7KU | 1,002,520 |
| K2LE | 964,540 |

**Multioperator**

| | |
|---|---|
| KC1XX | 3,181,272 |
| K9NS | 2,813,658 |
| NX5M | 2,433,380 |
| W4KZ | 2,344,216 |
| N2NT | 2,316,328 |
| N5YA | 2,233,246 |
| KVØQ | 2,198,560 |
| K4JA | 2,186,574 |
| K1SE | 2,129,930 |
| N6IG | 2,070,774 |

## Top Ten, DX

**Mixed Mode, QRP**

| | |
|---|---|
| JA1YNE (JP1OGL,op) | 326,360 |
| LZ1UQ | 311,540 |
| PA3ELD | 234,768 |
| 9A2EY | 183,400 |
| RK9KWB | 180,576 |
| Z32AF | 117,602 |
| SP2EWQ | 108,750 |
| GØOGN | 104,218 |
| JL1IHE | 81,436 |
| JA7ERJ | 71,894 |

**Mixed Mode, Low Power**

| | |
|---|---|
| WP2Z (AG8L,op) | 2,301,240 |
| LP1F | 1,343,816 |
| SU9ZZ | 1,329,300 |
| YU1AU | 904,264 |
| JN3PYQ | 880,152 |
| JR4PMX | 863,720 |
| YU7CB | 792,792 |
| LU5VV | 752,972 |
| OM6T | 703,948 |
| RU3QW | 641,650 |

**Mixed Mode, High Power**

| | |
|---|---|
| ZS6Z (JM1CAX,op) | 2,932,224 |
| TK5EP | 2,273,020 |
| CX5BW | 1,964,476 |
| H2G (5B4AGC,op) | 1,920,604 |
| OK1RI | 1,786,400 |
| JH4UYB | 1,423,240 |
| HA6NF | 1,419,024 |
| EM3J (UU2JZ,op) | 1,407,648 |
| PYØFF | 1,356,272 |
| LU2FA | 1,319,472 |

**Phone Only, QRP**

| | |
|---|---|
| KP2/WAØQII | 286,790 |
| LU3VD | 175,208 |
| YU1KN | 93,526 |
| NP2B | 75,296 |
| LU1VK | 55,242 |
| OK1GW | 49,140 |
| OK2ZAW | 41,168 |
| LU5EVK | 38,880 |
| JA3LFK | 36,778 |
| LU2HNP | 32,980 |

**Phone Only, Low Power**

| | |
|---|---|
| ZX2B (PY2MNL,op) | 423,280 |
| LU4DX | 408,002 |
| GØAEV | 344,960 |
| IK2ZVU | 344,660 |
| F5TDK | 336,824 |
| 9A2RD | 325,464 |
| TI1Z (TI4ZM,op) | 285,360 |
| CO2II | 281,736 |
| AYØN | 281,154 |
| LW7EIC | 274,512 |

**Phone Only, High Power**

| | |
|---|---|
| CT8T (I4UFH,op) | 948,660 |
| F6CTT | 775,656 |
| S57AW | 696,960 |
| GM4YXI | 673,904 |
| LU1HF | 670,026 |
| F6KBI | 620,768 |
| F6KRC (F6GLH,op) | 618,944 |
| J37K | 598,000 |
| I2PJA | 584,652 |
| CT3IA | 560,960 |

**CW Only, QRP**

| | |
|---|---|
| KP2/N3IQ (ND3F,op) | 791,120 |
| ZF2NT | 713,160 |
| G4EDG | 238,336 |
| UP6F (UN7FZ,op) | 204,204 |
| YU1KR | 202,776 |
| 9AØC (9A2HI,op) | 190,376 |
| F6OIE | 155,232 |
| OMØTT | 154,336 |
| LZ2RS | 151,240 |
| OK2PYA | 112,104 |

**CW Only, Low Power**

| | |
|---|---|
| NP3G | 1,080,624 |
| ZV8O | 741,840 |
| V26JT | 717,824 |
| IK4UPB | 714,816 |
| 5B4AGN | 680,504 |
| 9A3VM | 612,648 |
| LU1EWL | 461,648 |
| CX9AU | 451,572 |
| LZ2PL | 444,600 |
| JH9VSF | 436,632 |

**CW Only, High Power**

| | |
|---|---|
| J38DX (K1KI,op) | 2,045,440 |
| KH6ND | 1,303,680 |
| OD5/OK1MU | 1,226,136 |
| NP4Z (NP3A,op) | 1,148,712 |
| RM4W | 1,038,162 |
| PY2KC | 983,412 |
| S59A | 965,328 |
| SP7GIQ | 888,592 |
| S58A | 868,552 |
| EA1DAV | 841,784 |

**Multioperator**

| | |
|---|---|
| VP5K | 4,091,778 |
| 8P9Z | 3,496,262 |
| VP5DX | 3,128,488 |
| YV4A | 2,917,488 |
| KHØA | 2,012,350 |
| VP5Q | 1,949,706 |
| OTØT | 1,947,240 |
| RM6A | 1,889,694 |
| S5ØC | 1,886,820 |
| M5X | 1,886,738 |

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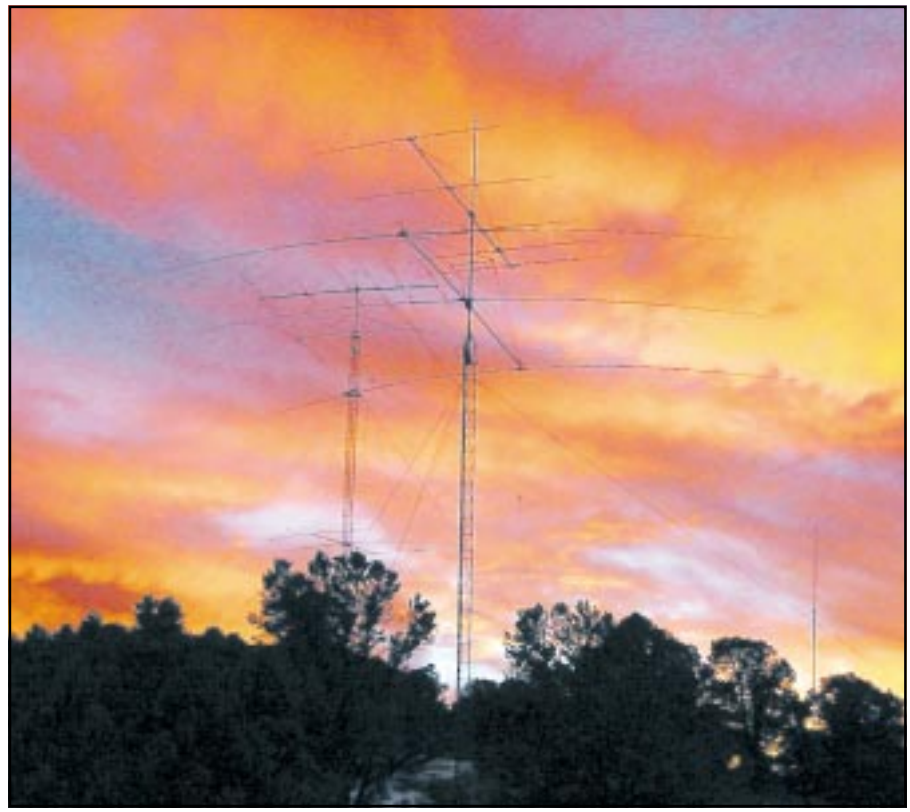
## Affiliated Club Competition

| | Score | Entries |
|---|---|---|
| **Unlimited Category** | | |
| Potomac Valley Radio Club | 35,787,298 | 66 |
| Society of Midwest Contesters | 28,946,170 | 113 |
| Yankee Clipper Contest Club | 21,095,582 | 52 |
| **Medium Category** | | |
| Florida Contest Group | 18,824,194 | 31 |
| Frankford Radio Club | 18,587,022 | 28 |
| Northern California Contest Club | 11,741,580 | 26 |
| Minnesota Wireless Assn | 8,681,022 | 26 |
| Southern California Contest Club | 7,101,938 | 16 |
| Mad River Radio Club | 6,712,248 | 16 |
| Tennessee Contest Group | 6,466,550 | 22 |
| South East Contest Club | 6,119,554 | 8 |
| Willamette Valley DX Club | 5,574,580 | 8 |
| Western Washington DX Club | 4,209,216 | 12 |
| Texas DX Society | 3,673,124 | 7 |
| Central Texas DX and Contest | 3,220,716 | 8 |
| Ozark Contest Club | 3,135,160 | 5 |
| Order of Boiled Owls of New | 3,111,910 | 6 |
| North Texas Contest Club | 2,856,566 | 8 |
| Kansas City DX Club | 2,838,296 | 5 |
| Grand Mesa Contesters | 2,763,888 | 6 |
| Southwest Ohio DX Assn | 2,362,538 | 3 |
| Lincoln ARC | 2,180,200 | 4 |
| Oklahoma DX Assn | 2,164,216 | 5 |
| Rochester (NY) DX Assn | 1,883,032 | 9 |
| North Coast Contesters | 1,670,450 | 6 |
| Kentucky Contest Group | 1,621,004 | 3 |
| Carolina DX Assn | 1,345,898 | 8 |
| Central Arizona DX Assn | 1,071,996 | 5 |
| Southern California DX Club | 1,013,536 | 3 |
| Bergen ARA | 943,282 | 13 |
| Radio Amateurs of Northern | 860,114 | 3 |
| Bay Area Wireless Assn | 800,592 | 4 |
| AK-SAR-BEN | 588,630 | 3 |
| Mother Lode DX/Contest Club | 549,768 | 5 |
| Green River Valley ARS | 517,060 | 4 |
| West Park Radiops | 480,916 | 6 |
| South Jersey Radio Assn | 431,052 | 5 |
| Holiday City ARC | 425,610 | 7 |
| Six Meter Club of Chicago | 337,696 | 12 |
| Northrop Grumman Radio Club | 285,392 | 4 |
| West Allis RAC | 252,816 | 4 |
| Worldradio Staff ARC | 167,748 | 3 |
| **Local Category** | | |
| River City Contesters | 5,968,456 | 6 |
| Hudson Valley Contesters & DXers | 4,629,564 | 5 |
| Redmond Top Key Contest Club | 2,545,000 | 6 |
| West Valley ARA | 1,409,102 | 7 |
| Loudoun ARG | 872,634 | 7 |
| ARA of Southwest Florida | 855,464 | 4 |
| American Red Cross Emergency | 506,844 | 5 |
| Hickory Withe DX Club | 473,434 | 3 |
| Columbia-Montour ARC | 443,536 | 6 |
| Southwest Idaho Contest Club | 434,456 | 3 |
| Athens County ARA | 407,202 | 7 |
| Northern New York Contest Club | 181,080 | 3 |
| 10-70 Repeater Assn | 42,646 | 3 |



**Oh, yes, the antennas at the K5RC station include (background: KT34XA at 80 feet, 2 elements at 40 meters at 70 feet, a Classic 33 at 40 feet and [foreground]: 5 elements at 55 feet, 3 elements on 40 meters at 45 feet—but with a spectacular scene such as this, who would notice?**

This year's contest served to highlight the continued emergence of QRP contesting worldwide. All-time record high scores were set in two or three worldwide single-operator QRP classifications. John, N6MU, and operating from N6NB, emerged as the new record holder of the Mixed Mode Single Operator QRP category with an outstanding score of 884,510. The top DX participant in the category was Akio, JP1OGL, operating as JA1YNE with a score of 326,360. Eight different DXCC entities placed in the top ten for DX in this category. A total of 50 entries were received global for this category.

From among the 110 logs submitted for the CW Only Single Operator QRP competition Brian, ND3F, took off to KP2-land and broke the old world record with a score of 791,120. Entries from five entities broke into the DX top ten for the category. Top W/VE finisher was Dale, KG5U, who took top domestic honors in the category with a score of 402,144.

Leading the way among W/VE entrants in the Phone Only Single Operator QRP categories were Jack, N2NHN, with a score of 112,860 while Rod, KP2/WAØQII took top honors among DX participants with a score of 286,790. Seventy-three logs were submitted for this classification. A total of 233 logs (8.1%) for the contest were submitted by single operator QRP stations.

Fifty four percent (1506) of all entries came from Single Operator Low Power stations. Leading the way among the Mixed Mode participants in this power class was the record-breaking performance by Dave, AG8L, who was the operator for WP2Z. Dave's 2,301,240 points led the way in a top ten box that featured participants from seven DXCC entities. The W/VE high score was posted by Mark, K1RO, who led the way with a score of 1,476,984. Four hundred eight logs were received for this class/power combination.

Though not a record-setting finish, there was a tight race between top DX category entrant Wanderly, ZX2B, with PY2MNL as the operator, and high scorer among W/VE stations Jay, N4OX for the highest Phone Only Single Operator Low Power overall first-place finisher. In the end, once the logs were checked, Wanderly held on to edge Jay by a score of 423,280 to 418,112. Nine different entities are found in the DX top ten box.

The CW Only Single Operator Low Power category saw a tight race before Dan, K1TO, the top W/VE scorer pulled ahead to edge out top DX participant Terry NP3G by 13,992 points (1,094,616 to 1,080,624). Working each of the top ten DX finishers would have netted you 10 multipliers, as each hailed from a different DXCC entity.

High QSO totals and high scores were seen throughout all three of the Single Operator High Power categories. However, a new world-record did not emerge from any of the 725 entries across the three classifications. The Mixed Mode Single Operator High Power winner was ZS6Z, with Koji, JM1CAX, as the operator. His score of 2,932,224 beat out top W/VE finisher Bob, KQ2M, who posted a final checked score of 2,747,164. Again a clean sweep of working the DX top ten in this category would have netted you 10 multipliers.

Slugging it to win the Phone Only Single Operator High Power category was Chuck, W5PR, who took top W/VE honors with a score of 1,035,702. The top

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## Region Leaders

Boxes list call sign, score, class (A = Mixed Mode, B = Phone only, C = CW only, D = Multioperator), and power (A = QRP, B = Low Power, C = High Power).

### Northeast Region

**(New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)**

| | | | |
|---|---|---|---|
| W3PP | 365,928 | A | A |
| WT3W | 288,144 | A | A |
| WB2AMU | 180,880 | A | A |
| K1RO | 1,476,984 | A | B |
| NA2U | 1,189,524 | A | B |
| W3EP | 1,159,152 | A | B |
| KQ2M | 2,747,164 | A | C |
| W2GG | 2,430,912 | A | C |
| K3ZO | 1,918,848 | A | C |
| N2NHN | 112,860 | B | A |
| KD2UF | 109,868 | B | A |
| NY6DX | 88,000 | B | A |
| KK2ED | 359,452 | B | B |
| N1IR | 333,940 | B | B |
| N1SV | 303,134 | B | B |
| K1AM | 857,308 | B | C |
| W1SJ | 675,410 | B | C |
| N2FF | 531,216 | B | C |
| WO2N | 232,288 | C | A |
| AA1CA | 216,140 | C | A |
| K2SM | 180,940 | C | A |
| WE1USA | 911,232 | C | B |
| K1VUT | 873,600 | C | B |
| W1WAI | 661,436 | C | B |
| VO1MP | 1,118,880 | C | C |
| K2LE | 964,540 | C | C |
| KR1G | 933,984 | C | C |
| KC1XX | 3,181,272 | D | |
| N2NT | 2,316,328 | D | |
| N2IX | 2,041,170 | D | |

### Southeast Region

**(Delta, Roanoke and Southeastern Divisions)**

| | | | |
|---|---|---|---|
| NA4CW | 491,062 | A | A |
| W4DEC | 290,550 | A | A |
| N4IG | 794,200 | A | B |
| W4UM | 702,572 | A | B |
| N4YDU | 661,932 | A | B |
| WC4E | 2,472,804 | A | C |
| W4MYA | 2,087,784 | A | C |
| N8OO | 1,915,812 | A | C |
| W4TD | 89,232 | B | A |
| N5FPW | 50,676 | B | A |
| KS4GW | 49,280 | B | A |
| N4OX | 418,112 | B | B |
| AA5FJ | 291,868 | B | B |
| K4UCF (KD4RWN,op) | 277,704 | B | B |
| K4XS | 1,003,932 | B | C |
| WA4TII | 437,360 | B | C |
| W2JJC | 437,320 | B | C |
| K9AY | 276,860 | C | A |
| WA8WV | 199,800 | C | A |
| W4FMS | 168,780 | C | A |
| K1TO | 1,094,616 | C | B |
| WD4AHZ | 745,740 | C | B |
| N4ZI | 668,160 | C | B |
| W4ZV | 1,433,952 | C | C |
| W4AN (W4PA,op) | 1,331,712 | C | C |
| N4BP | 1,271,808 | C | C |
| W4KZ | 2,344,216 | D | |
| K4JA | 2,186,574 | D | |
| K1SE | 2,129,930 | D | |

### Central Region

**(Central and Great Lakes Divisions; Ontario Section)**

| | | | |
|---|---|---|---|
| VE3KZ | 475,610 | A | A |
| WA8RCN | 405,594 | A | A |
| W9UR | 67,368 | A | A |
| KG9X | 1,327,104 | A | B |
| KJ9C | 803,292 | A | B |
| VE3ZT | 795,408 | A | B |
| K9NW | 2,049,822 | A | C |
| K9XD (K9PG,op) | 1,646,054 | A | C |
| W9XT | 1,491,456 | A | C |
| VE3BUC | 90,800 | B | A |
| N8MWK | 68,704 | B | A |
| W9HL | 25,986 | B | A |
| ND8DX | 306,240 | B | B |
| N9PQU | 219,456 | B | B |
| VE3SRE | 217,750 | B | B |
| W9RE | 907,200 | B | C |
| WB9Z | 763,464 | B | C |
| N2BJ | 697,774 | B | C |
| VA3RU | 247,044 | C | A |
| VA3EU | 241,500 | C | A |
| N9UC (WO9S,op) | 213,796 | C | A |
| K4AO | 670,208 | C | B |
| KB9S | 611,520 | C | B |
| K9BG | 401,448 | C | B |
| N8DCJ | 927,964 | C | C |
| N4GN | 924,352 | C | C |
| W8AV | 857,888 | C | C |
| K9NS | 2,813,658 | D | |
| N8NR | 1,551,240 | D | |
| KI9A | 1,479,744 | D | |

### Midwest Region

**(Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)**

| | | | |
|---|---|---|---|
| KØOU | 396,100 | A | A |
| KØPC | 234,500 | A | A |
| WA8ZBT | 211,344 | A | A |
| NØAT | 1,040,736 | A | B |
| WD5K | 1,004,850 | A | B |
| KØTT | 932,062 | A | B |
| WØSD (WØDB,op) | 1,725,498 | A | C |
| K5XR (W5ASP,op) | 1,167,696 | A | C |
| K5NZ | 976,048 | A | C |
| KIØII | 75,848 | B | A |
| KKØQ | 53,820 | B | A |
| WAØVBW | 36,820 | B | A |
| KTØDX | 350,000 | B | B |
| ACØW | 344,760 | B | B |
| N5XD | 241,098 | B | B |
| W5PR | 1,035,702 | B | C |
| K5TR | 955,638 | B | C |
| VA5DX | 580,832 | B | C |
| KG5U | 402,144 | C | A |
| K5AM | 278,200 | C | A |
| NØUR | 266,832 | C | A |
| W5TM (W5AO,op) | 796,960 | C | B |
| WQ5W | 711,808 | C | B |
| N5DO | 684,472 | C | B |
| K2VV | 1,278,668 | C | C |
| AD5Q | 961,848 | C | C |
| K5PI | 927,360 | C | C |
| NX5M | 2,433,380 | D | |
| N5YA | 2,233,246 | D | |
| KVØQ | 2,198,560 | D | |

### West Coast Region

**(Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)**

| | | | |
|---|---|---|---|
| N6MU | 884,510 | A | A |
| K6XX | 365,944 | A | A |
| WA6FGV | 297,838 | A | A |
| N7LOX | 947,968 | A | B |
| K6RO | 938,956 | A | B |
| WN6K | 610,450 | A | B |
| VE6JY (VE7CC,op) | 1,830,168 | A | C |
| K6LA | 1,460,800 | A | C |
| K7MI | 1,320,894 | A | C |
| W6CN | 53,544 | B | A |
| WR6WR | 52,404 | B | A |
| WK6I | 44,380 | B | A |
| VE7NF | 250,824 | B | B |
| AB6GS | 237,286 | B | B |
| VE7IN | 199,894 | B | B |
| K6LL | 758,608 | B | C |
| K3EST | 743,204 | B | C |
| K7RI | 738,948 | B | C |
| K7ED (WAØRJY,op) | 262,200 | C | A |
| W7/JR1NKN | 170,100 | C | A |
| VE6BF | 152,944 | C | A |
| N7OU | 516,120 | C | B |
| VE6EX | 370,576 | C | B |
| N7WA | 301,728 | C | B |
| W6EEN (N6RT,op) | 1,049,472 | C | C |
| N7KU | 1,002,520 | C | C |
| K6KM (K2KW,op) | 891,280 | C | C |
| N6IG | 2,070,774 | D | |
| W6YX | 2,002,932 | D | |
| WT6G | 1,606,706 | D | |

### Africa

| | | | |
|---|---|---|---|
| SU9ZZ | 1,329,300 | A | B |
| ZS6Z (JM1CAX,op) | 2,932,224 | A | C |
| EC8AUZ | 72,600 | B | B |
| EA8AD | 65,570 | B | B |
| CT3IA | 560,960 | B | C |
| ZS6HO | 1,804 | B | C |
| EA8/DJ1OJ | 367,536 | C | B |
| CN8YR | 195,040 | C | B |
| ZS5RON | 84,208 | C | B |
| TZ6DX | 723,840 | C | C |
| ZS6BRZ | 459,160 | C | C |
| EA8KL | 85,902 | C | C |
| 3V8BB | 280,686 | D | |

### Asia

| | | | |
|---|---|---|---|
| JA1YNE | 326,360 | A | A |
| RK9KWB | 180,576 | A | A |
| JL1IHE | 81,436 | A | A |
| JN3PYQ | 880,152 | A | B |
| JR4PMX | 863,720 | A | B |
| JH8KYU | 513,268 | A | B |
| H2G (5B4AGC,op) | 1,920,604 | A | C |
| JH4UYB | 1,423,240 | A | C |
| JH5FXP | 1,103,520 | A | C |
| JA3LFK | 36,778 | B | A |
| JA1WC | 12,480 | B | A |
| RZ9IB | 6,944 | B | A |
| UP5P (UN5PR,op) | 249,260 | B | B |
| JHØBDK | 235,170 | B | B |
| JL3VUL | 131,300 | B | B |
| JH4UTP | 288,408 | B | C |
| RSØF (UAØFZ,op) | 263,942 | B | C |
| JA2ZJW | 231,072 | B | C |
| UP6F (UN7FZ,op) | 204,204 | C | A |
| JA2IU | 106,140 | C | A |
| RV9COI | 16,592 | C | A |
| 5B4AGN | 680,504 | C | B |
| JH9VSF | 436,632 | C | B |
| JF1SQC | 415,152 | C | B |
| OD5/OK1MU | 1,226,136 | C | C |
| VR2BG | 833,184 | C | C |
| JH3AIU | 743,400 | C | C |
| UPØL | 1,308,096 | D | |
| JJ3YBB | 1,213,070 | D | |
| JR1ZTT | 883,446 | D | |

### Europe

| | | | |
|---|---|---|---|
| LZ1UQ | 311,540 | A | A |
| PA3ELD | 234,768 | A | A |
| 9A2EY | 183,400 | A | A |
| YU1AU | 904,264 | A | B |
| YU7CB | 792,792 | A | B |
| OM6T | 703,948 | A | B |
| TK5EP | 2,273,020 | A | C |
| OK1RI | 1,786,400 | A | C |
| HA6NF | 1,419,024 | A | C |
| YU1KN | 93,526 | B | A |
| OK1GW | 49,140 | B | A |
| OK2ZAW | 41,168 | B | A |
| GØAEV | 344,960 | B | B |
| IK2ZVU | 344,660 | B | B |
| F5TDK | 336,824 | B | B |
| CT8T | 948,660 | B | C |
| F6CTT | 775,656 | B | C |
| S57AW | 696,960 | B | C |
| G4EDG | 238,336 | C | A |
| YU1KR | 202,776 | C | A |
| 9AØC (9A2HI,op) | 190,376 | C | A |
| IK4UPB | 714,816 | C | B |
| 9A3VM | 612,648 | C | B |
| LZ2PL | 444,600 | C | B |
| RM4W | 1,038,162 | C | C |
| S59A | 965,328 | C | C |
| SP7GIQ | 888,592 | C | C |
| YV4A | 2,917,488 | D | |
| OTØT | 1,947,240 | D | |
| RM6A | 1,889,694 | D | |

### North America

| | | | |
|---|---|---|---|
| WP2Z (AG8L,op) | 2,301,240 | A | B |
| KL7RA | 1,039,232 | A | C |
| KP2/WAØQII | 286,790 | B | A |
| NP2B | 75,296 | B | A |
| TI1Z (TI4ZM,op) | 285,360 | B | B |
| CO2II | 281,736 | B | B |
| KL7FAP | 96,960 | B | B |
| J37K | 598,000 | B | C |
| V44NK | 327,408 | B | C |
| 8P6EX | 234,080 | B | C |
| KP2/N3IQ (ND3F,op) | 791,120 | C | A |
| NP3G | 1,080,624 | C | B |
| V26JT | 717,824 | C | B |
| HP1AC | 288,144 | C | B |
| J38DX (K1KI,op) | 2,045,440 | C | C |
| NP4Z (NP3A,op) | 1,148,712 | C | C |
| KL2A | 792,880 | C | C |
| VP5K | 4,091,778 | D | |
| 8P9Z | 3,496,262 | D | |
| VP5DX | 3,128,488 | D | |

### Oceania

| | | | |
|---|---|---|---|
| VK2APK | 405,888 | A | B |
| YB1KOR | 62,426 | A | B |
| YCØLOW | 36,358 | A | B |
| ZF2AH | 931,588 | A | C |
| VK5GN | 382,400 | A | C |
| 4D68LER | 8,512 | B | A |
| KH6CDO | 3,400 | B | A |
| KH6GMP | 175,440 | B | B |
| ZL3GA | 52,200 | B | B |
| YC3IZK | 30,120 | B | B |
| V73UX | 451,704 | B | C |
| ZL1ANJ | 396,074 | B | C |
| VK2XZ | 259,700 | B | C |
| ZF2NT | 713,160 | C | A |
| DU7/N7ET | 78,384 | C | A |
| VK4TT | 172,416 | C | B |
| DU1ODX | 111,000 | C | B |
| VK4XW | 3,016 | C | B |
| KH6ND | 1,303,680 | C | C |
| DU3NXE | 19,304 | C | C |
| KHØA | 2,012,350 | D | |
| VK4WIL | 1,128,834 | D | |
| WH7K | 798,336 | D | |

### South America

| | | | |
|---|---|---|---|
| LP1F | 1,343,816 | A | B |
| LU5VV | 752,972 | A | B |
| YV7QP | 148,352 | A | B |
| CX5BW | 1,964,476 | A | C |
| PYØFF | 1,356,272 | A | C |
| LU2FA | 1,319,472 | A | C |
| LU3VD | 175,208 | B | A |
| LU1VK | 55,242 | B | A |
| LU5EVK | 38,880 | B | A |
| ZX2B (PY2MNL,op) | 423,280 | B | B |
| LU4DX | 408,002 | B | B |
| AYØN | 281,154 | B | B |
| LU1HF | 670,026 | B | C |
| LU1NDC | 484,806 | B | C |
| HK3AXY | 86,240 | B | C |
| LW5DR | 61,752 | C | A |
| PY2ELG | 10,140 | C | A |
| ZV8O | 741,840 | C | B |
| LU1EWL | 461,648 | C | B |
| CX9AU | 451,572 | C | B |
| PY2KC | 983,412 | C | C |
| P43E | 689,564 | C | C |
| PT2/KC2BAA | 356,532 | C | C |
| LP5F | 1,794,774 | D | |
| LU5FB | 1,601,536 | D | |
| L5ØDK | 1,372,272 | D | |

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DX station on this ballot was Fabio, I4UFH, who piloted CT8T to a total of 948,660 points. Emerging as the overall winner in the CW Only Single Operator High Power category was Tom, K1KI, who piloted J38DX to top honors with 2,045,440 points. Top W/VE finisher was Bill, W4ZV, who posted a final score of 1,433,952. Rounding out the overall champions were the multioperator entries of VP5K who took top DX honors with a score of 4,091,778 and KC1XX, which led the way for W/VE stations with a score of 3,181,272.

Congratulations go out to the following Single Operator stations that set new ARRL Division records in their categories: Mixed QRP – KØPC (Dakota), WA8RCN (Great Lakes), KØOU (Midwest), N6MU (Pacific), NA4CW (Southeastern), VE3KZ (Canada); Mixed Low – NØAT (Dakota), NA2U (Hudson), KTØK (Midwest), K1RO (New England); Mixed High – W2GG (Atlantic), WØSD (WØDB,op) (Dakota), ND5S (Great Lakes), KQ2M (New England), W4MYA (Roanoke); Phone QRP – N2HNH (Hudson), N1LW (New England), WR6WR (Pacific), N5FPW (Roanoke), VE3BUC (Canada); Phone Low – KK2ED (Atlantic), KU4BP (Roanoke), KTØDX (Rocky Mountain); CW QRP – WA8WV (Roanoke), K5AM (Rocky Mountain), K9AY (Southeastern), KG5U (West Gulf), VA3RU (Canada); CW Low – K4AO (Great Lakes), K1TO (Southeastern); CW High – KØSR (Dakota), W4ZV (Roanoke), N7DF (Rocky Mountain), W6EEN (N6RT,op) (Southwestern), and VO1MP (Canada). Kudos also to the following Multioperator stations that set new Division marks: K9NS (Central), KC1XX (New England), N6IG (Pacific) and W4KZ (Southeastern).

Once the ballots, I mean logs, had been checked, counted (and cleared of all chad) saw the Affiliated Club Competition another close race involving the great state of Florida come to the forefront. In the end, the Florida Contest Group edged the Frankford Radio Club by a mere 237K points—18,824,194 to 18,587,022 in the Medium category. The Unlimited Category competition saw three heavyweights contend for the nod in the top spot, with the Potomac Valley Radio Club emerging victorious. Keeping in mind the old adage from former US Speaker of the House Thomas "Tip" O'Neill that "all politics are local," a good battle was waged in the Local Category with the River City Contesters beating back the challenge of the Hudson Valley Contesters & DXers to win bragging rights.

Without national presidential elections to keep us occupied, the prospects of an active, enthusiastic 2001 ARRL Ten Meter Contest loom on the horizon. The experts say that we will probably be just past the peak of this sunspot cycle, but we should still enjoy good conditions for this year's contest—which is slated for December 15-16, 2001. Hope you are prepared to enjoy a good challenging race, and that the only chads you encounter are those you meet on the air.

## SOAPBOX

What a surprise when Swaziland 3DAØAD called me! (4X1KS)... It was my 9th consecutive log entry in this contest and it is always fun!( 7J1ABD)... So much activity on the band the illegal CBers finally started to take notice! (AA1CA)... This was a first-time family operation with AA1K (dad), AB1P (mom) and KB3FEE (son Adam), who had passed General 3 weeks before. He had best rate! (AA1K)... The CW frequencies were hopping when the band was open—a fun contest this year with great propagation! (AC5AA)... My first 10-meter contest. My 7 year old brother Justin was in the shack with me for about 4 hours. He's going to be a contester for sure! (AC7CF)... I didn't know it was possible to have this much fun. See you all in the next one (AE9B)... It's great to see 10 in such good shape. Worked all 48 "mainland" states + dc. (EI5DI)… Had a lot of fun and enjoyed myself trying to run stations "big-gun" style from a "little-pistol" station! (GØKRL)… First time in this contest, I was intending to just play but was enjoying it too much (H2G)… It was nice to say 'hi' to many friends on both CW and SSB for my last contest in 20th century. (JA8RWU)…

Enjoyed the contest, but propagation was strange (KØKY)... In heavy QRM if some hams would slow down a bit they would probably hear the "one they needed for a new multi or clean sweep." This is my best effort since 1980 and I had the most fun ever in a contest. (KØVX)…Surprised at how 10 can go short and long. Long live backscatter (KØWA)… My first contest entry ever and first time using contest software. Really got addicted to the contest by Saturday. Had a great time (K1ES)… Top of cycle, bottom of cycle, no matter. This contest is always fun! (K1TH)… Who said "life's too short for QRP"? (K4NR)… Great fun! Thanks for pulling my QRP signal from the ozone! (K7ED)… Fun contest. Being called by SU9ZZ in the early Sunday morning run was a real high point (K8AJS)… First ever Africa continent contact (KA6GMA)… Always a lot of fun. YL's can contest too! (KB4NPI)… Had a great time. First try at contesting with my own call. Thanks to my husband, WM3T, who relinquished the chair for me (KF4OKG)… Great contest that lets me sleep at night! (KI5DR)… Did anybody else have trouble working East Coast but no trouble working anything else (including Europe)? I actually had to use an antenna pointed away from the right coast to work them (KJ9C)… I love having ZS stations answer my CQ (KS7T)… Great contest! Took time off to upgrade to general on Saturday (NØYYO)… Great contest! Many courteous operators. That made for a very enjoyable time for all. (N1BCL)… Thank god for narrow filters! (N4QS)… This was supposed to be a part-time operation but condx were so good it was hard to resist a bigger effort (N9UC)… A renewed pleasure to participate. Strange propagation during this contest (ON6TJ)… G'day to all contesters whom I worked (VK4TT)… Great contest, now I'm a DX hound. (WØCBH)… Great to see the hams take the band back for the weekend! (W6QD)… Where are all these operators the rest of the time? (WB7CWB)… First contest that I have had to share the station with my XYL. Funny thing, I didn't mind giving up the chair for her! (WM3T)…

### Scores

Scores are listed by DXCC Entities and ARRL/RAC Sections. Line scores list call sign, score, QSOs, multipliers, class (A = Mixed Mode, B = Phone only, C = CW only, D = Multioperator), and power (A = QRP, B = Low Power, C = High Power).

**Africa**

**Swaziland**

| | | | | | |
|---|---|---|---|---|---|
| 3DAØAD (LX1NO,op) | 270 | 11 | 9 | C | C |

**Tunisia**

| | | | | | |
|---|---|---|---|---|---|
| 3V8BB (+packet) | 280,686 | 1141 | 123 | D | B |

**Morocco**

| | | | | | |
|---|---|---|---|---|---|
| CN8YR | 195,040 | 530 | 92 | C | B |

**Madeira Islands**

| | | | | | |
|---|---|---|---|---|---|
| CT3IA | 560,960 | 1754 | 160 | B | C |

**Canary Islands**

| | | | | | |
|---|---|---|---|---|---|
| EC8AUZ | 72,600 | 484 | 75 | B | B |
| EA8AD | 65,570 | 415 | 79 | B | B |
| EA8/DJ1OJ | 367,536 | 806 | 114 | C | B |
| EA8CN | 25,956 | 103 | 63 | C | B |
| EA8KL | 85,902 | 417 | 103 | C | C |

**Egypt**

| | | | | | |
|---|---|---|---|---|---|
| SU9ZZ | 1,329,300 | 1980 | 210 | A | B |

**Mali**

| | | | | | |
|---|---|---|---|---|---|
| TZ6DX | 723,840 | 1393 | 130 | C | C |

**South Africa**

| | | | | | |
|---|---|---|---|---|---|
| ZS6Z (JM1CAX,op) | 2,932,224 | 3815 | 256 | A | C |
| ZS6HO | 1,804 | 41 | 22 | B | C |
| ZS5RON | 84,208 | 277 | 76 | C | B |
| ZS6BRZ | 459,160 | 1767 | 130 | C | C |

**Asia**

**Israel**

| | | | | | |
|---|---|---|---|---|---|
| 4Z5FW | 30,342 | 204 | 39 | A | B |
| 4X1KS | 261,942 | 644 | 149 | A | C |
| 4Z5FL/M | 7,952 | 71 | 56 | B | B |
| 4Z5AX | 195,312 | 627 | 78 | C | B |
| 4X/OK1DTP | 219,128 | 559 | 98 | C | C |
| 4X1VF | 48,132 | 191 | 63 | C | C |

**Cyprus**

| | | | | | |
|---|---|---|---|---|---|
| H2G (5B4AGC,op) | 1,920,604 | 2455 | 239 | A | C |
| 5B4AGN | 680,504 | 1408 | 121 | C | B |

**West Malaysia**

| | | | | | |
|---|---|---|---|---|---|
| 9M2TO | 288,704 | 815 | 104 | A | B |

**Taiwan**

| | | | | | |
|---|---|---|---|---|---|
| BV7FF | 200,960 | 628 | 80 | C | C |

**China**

| | | | | | |
|---|---|---|---|---|---|
| B4R | 549,524 | 1092 | 158 | A | C |

**Kyrgyzstan**

| | | | | | |
|---|---|---|---|---|---|
| EX8MIO | 103,600 | 700 | 74 | B | B |
| EX2T | 158,000 | 1000 | 79 | B | C |

**Tajikistan**

| | | | | | |
|---|---|---|---|---|---|
| EY8MM | 161,268 | 532 | 89 | A | B |

**Turkmenistan**

| | | | | | |
|---|---|---|---|---|---|
| EZ3A (EZ8CW,op) | 14,212 | 209 | 34 | B | B |

**South Korea**

| | | | | | |
|---|---|---|---|---|---|
| DS5ACV | 12,376 | 119 | 52 | B | B |
| HL3GOB | 10,584 | 108 | 49 | B | C |
| HL5UOG | 111,520 | 328 | 85 | C | B |
| HL5AP | 52,824 | 213 | 62 | C | B |

**Thailand**

| | | | | | |
|---|---|---|---|---|---|
| HS4BPQ | 38,016 | 264 | 36 | C | B |
| EØRRW (+E21EIC) | 341,360 | 726 | 136 | D | B |
| HSØAC (+packet) | 272,734 | 732 | 121 | D | C |

**Japan**

| | | | | | |
|---|---|---|---|---|---|
| JA1YNE (JP1OGL,op) | 326,360 | 614 | 164 | A | A |
| JL1IHE | 81,436 | 299 | 87 | A | A |
| JA7ERJ | 71,894 | 259 | 103 | A | A |
| JA2UFH | 57,354 | 203 | 79 | A | A |
| 7K2PBB | 484 | 15 | 11 | A | A |
| JN3PYQ | 880,152 | 1332 | 217 | A | B |
| JR4PMX | 863,720 | 1177 | 220 | A | B |
| JH8KYU | 513,268 | 878 | 161 | A | B |
| JF2VAX | 350,754 | 644 | 159 | A | B |
| JAØFVU | 299,880 | 589 | 153 | A | B |
| JF2QNM | 288,000 | 598 | 150 | A | B |
| JA1XRH | 254,624 | 516 | 146 | A | B |
| JE1REU | 222,952 | 499 | 124 | A | B |
| JR4GPA | 193,766 | 473 | 139 | A | B |
| 7K4GUR | 175,968 | 575 | 104 | A | B |
| JF3IYW | 149,408 | 388 | 116 | A | B |
| JH5OXF | 145,200 | 348 | 120 | A | B |
| JA2BQX | 97,232 | 313 | 118 | A | B |
| JA2DHL | 90,480 | 231 | 116 | A | B |
| JH6OPP | 86,600 | 267 | 100 | A | B |
| JR4QZH | 83,160 | 258 | 105 | A | B |
| JA1BUI | 76,558 | 240 | 101 | A | B |
| JK2VOC | 73,272 | 259 | 86 | A | B |
| JE3UHV | 49,842 | 182 | 71 | A | B |
| JR1LQK | 45,080 | 189 | 92 | A | B |
| JA1OZK | 37,440 | 180 | 65 | A | B |
| JA1BBA | 25,740 | 140 | 55 | A | B |
| JAØIOF | 21,168 | 114 | 56 | A | B |
| JA1MXY | 20,520 | 100 | 57 | A | B |
| JF2SKV | 15,548 | 108 | 46 | A | B |
| JR2AWS | 1,056 | 21 | 16 | A | B |
| JA1AAT | 910 | 24 | 13 | A | B |
| JJ2TKX | 770 | 23 | 11 | A | B |
| JA8GTO | 704 | 16 | 16 | A | B |
| JA6AVT | 468 | 16 | 13 | A | B |

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JA2EAAB/1 224 8 8 A B
JA1XPU 144 8 8 A B
JH4UYB 1,423,240 1943 238 A C
JH5FXP 1,103,520 1693 209 A C
JA8RWU 953,040 1467 209 A C
JQ6NAW 728,676 1272 173 A C
JA0QWO 480,224 864 172 A C
JA2AXB 262,668 543 159 A C
7J1ABD 68,780 208 95 A C
JF1OPL 5,184 66 32 A C
JA3LFK 36,778 259 71 B A
JA1WC 12,480 130 48 B A
JH0BDK 235,170 1005 117 B B
JL3VUL 131,300 650 101 B B
JR3RIY 73,914 381 97 B B
JA1SWB 72,354 389 93 B B
JA1CQT 63,008 358 88 B B
JE2HCJ 58,240 320 91 B B
JA6EFT 52,896 304 87 B B
JH1CML 42,828 258 83 B B
JG2REJ 37,570 221 85 B B
JA2GHP 37,088 244 76 B B
JH1UUT 35,358 249 71 B B
JG4OOU 34,440 246 70 B B
JH2WHS 22,040 190 58 B B
JR7LVK 21,420 170 63 B B
JH6FTJ 20,862 171 61 B B
JA1AJK 20,280 169 60 B B
JE7DOT 19,608 172 57 B B
JA9TQY 18,644 158 59 B B
JA1KK 13,770 135 51 B B
JF2FIU 12,672 133 48 B B
JM1GHT 10,812 106 51 B B
JI8BUR 9,900 110 45 B B
JL2HUJ 9,202 107 43 B B
JJ3OOZ 8,064 96 42 B B
JH1RMH 7,462 91 41 B B
JA2BEY 6,106 71 43 B B
JK7DWD 5,986 73 41 B B
JA3WFQ 5,412 82 33 B B
JK1BII 2,700 54 25 B B
7N2UQC 2,646 63 21 B B
JG3DOR 2,610 45 29 B B
JQ1AHZ/2 1,974 47 21 B B
JG1GCO 1,736 31 28 B B
JE1GZB 1,716 39 22 B B
JA1EEG 952 28 17 B B
JR3CVJ 800 20 20 B B
JK8HOS 792 22 18 B B
JR1GGB 624 26 12 B B
JM3HYL 18 3 3 B B
JL2OGZ 2 1 1 B B
JH4UTP 288,408 1182 122 B C
JA2ZJW 231,072 996 116 B C
JR1MRG 21,350 175 61 B C
JR3CVO 19,880 140 71 B C
JN1BMX 17,784 156 57 B C
JG2CNZ 2,256 45 24 B C
JH2BTM 360 20 9 B C
JA2IU 106,140 305 87 C A
JA5CDL 15,840 99 40 C A
JH1NXU 12,848 73 44 C A
JA1XEM 7,936 64 31 C A
JM1OZP 672 14 12 C A
JH9VSF 436,632 967 113 C B
JF1SQC 415,152 961 108 C B
JI1RXQ 404,340 879 115 C B
JH1AZO 402,304 874 112 C B
JA1NLX 237,952 572 104 C B
JR7ZIT (JQ1UKK,op)
237,952 572 104 C B
JA8LN 225,960 537 105 C B
JR7OMD 223,392 538 104 C B
JI3BFC 221,200 553 100 C B
JA5APU 177,816 478 93 C B
JI1HFJ 165,120 430 96 C B
7L1ETP 165,064 440 94 C B
JRØBQD/1
154,440 429 90 C B
JJ1GQH 138,012 371 93 C B
JA5ATN 130,848 376 87 C B
JR2TMB 107,236 323 83 C B
JA3YPL (JJ3TBB,op)
101,824 345 74 C B
JH6CQY 99,528 286 87 C B
JA2CUS 98,496 305 81 C B
JJ1NZA 95,256 294 81 C B
JP1SRG 93,600 260 90 C B
JH1DYV 78,624 234 84 C B
JF1XUM/2 (JA2KKA,op)
75,920 264 73 C B
JN1NOP 75,308 283 67 C B
JA4ETH 73,800 246 75 C B
JK3GWT 71,240 274 65 C B
JL2LPX 68,912 236 73 C B
JHØNVX 68,400 228 75 C B
JA6BGA 60,756 183 83 C B
JM1NHZ 58,788 207 71 C B
JR4CAU 52,852 181 73 C B
JR3XZX 51,736 223 58 C B
JN1MSO 48,312 183 66 C B
JG3LGD 44,980 173 65 C B
JN2AMD 38,808 154 63 C B
JA7ARW 38,080 170 56 C B
JH3JYS 35,400 150 59 C B
JA7CPW 32,160 134 60 C B
JA4AQR 31,464 114 69 C B
JA1GS 30,240 120 63 C B
JR3NDM 25,992 114 57 C B
JA1EJD 24,592 106 58 C B
JG3NKP 23,320 106 55 C B
JA1HHU 22,540 115 49 C B
JF7GDF 20,140 95 53 C B
JAØBMS/1 18,952 103 46 C B
JA3BQC 17,072 97 44 C B
JA6CM 15,456 84 46 C B
JA6QDU 14,608 83 44 C B
JA1AZS 14,400 80 45 C B
JE5XIC 13,984 92 38 C B
JH1PXY 10,780 77 35 C B
JH1MTR 10,656 74 36 C B
JN7OJA 7,936 63 32 C B
JK1NSR 7,392 56 33 C B
JA1HG 6,608 59 28 C B
JA3MIB 4,992 48 26 C B
JF1QBN 4,340 35 31 C B
JA3RK 3,080 35 22 C B
JA3AVO 2,912 28 26 C B
JRØEFE 2,688 32 21 C B
JR2TRC 2,464 28 22 C B
JA9KUG 2,376 27 22 C B
JO1WIZ 2,304 36 16 C B
7K1EQG 2,160 30 18 C B
JP1ODJ 288 9 8 C B
JA7AXP 216 9 6 C B
JH3AIU 743,400 1475 126 C C
JG1ILF 740,460 1435 129 C C
JH1AEP 556,016 1177 118 C C
JI1NJC 168,544 458 92 C C
JA1HP 139,500 373 93 C C
JA3ARM 137,472 358 96 C C
JE2WWB 123,328 376 82 C C
JA1PS 99,324 267 93 C C
JA2VQF 72,708 219 83 C C
JS1PWV 70,104 254 69 C C
JA9CWJ 50,912 172 74 C C
JH7CJM 38,024 194 49 C C
JA8XQI 34,800 150 58 C C
JR6LLN 1,700 25 17 C C
JJ1JRH 1,380 23 15 C C
7L4IOU (+packet)
174,240 499 144 D B
JA1YQH (JI7GBI,JI7LZL,ops)
12,250 88 35 D B
JA6SRB (+packet)
12,056 79 44 D B
JJ3YBB (JA3PJL,JA3FHL,JA3OOK,
JH3FQF,JF3MOK,JF3EBO,JS3VEX,ops)
1,213,070 1831 235 D C
JR1ZTT (JK1JHU,JM4HHH, 7L4VXE,
JRØUUU, JRØXHL,ops)
883,446 1340 219 D C
JH4NMT (+packet)
198,696 485 102 D C
JA2YKA (+packet)
191,294 481 101 D C

## Lebanon

OD5/OK1MU
1,226,136 2174 141 C C

## Turkey

TA2RJ 44,280 362 60 A B
TA3J 2,838 43 33 B B
TA3YJ 24 4 3 B C
YM3NA (TA3BN,TA3ET,ops)
324,768 887 136 D B

## Asiatic Russia

RK9KWB 180,576 444 132 A A
RZ9OU 325,248 906 112 A B
RK9CZO (RX9CAZ,op)
296,408 725 134 A B
RN9RZ 199,584 502 126 A B
RAØFN 103,104 319 96 A B
RZØCQ 79,900 266 85 A B
UAØSJ 46,860 353 66 A B
UA9JQN 36,156 206 69 A B
RX9WN 15,678 82 67 A B
UA9MA 718,320 1519 164 A C
UA9CDV 702,468 1237 171 A C
RV9SV 431,936 1061 136 A C
UA9OW 367,840 952 121 A C
RW9QA 298,560 754 120 A C
UA9CI 212,500 484 125 A C
UA9OS 50,008 257 76 A C
RAØAM 42,588 228 78 A C
UA9KM 40,560 136 78 A C
RZ9IB 6,944 112 31 B A
UAØEX 32,940 270 61 B B
UA9ACJ 16,638 177 47 B B
RSØF (UAØFZ,op)
263,942 1109 119 B C
RW9HA 202,030 1135 89 B C
RVØAR 194,194 1001 97 B C
UAØSE 9,936 138 36 B C
UA9OUU 594 27 11 B C
UAØFEN 308 22 7 B C
RV9COI 16,592 122 34 C A
UA9OA 182,512 671 68 C B
RU9CI 105,600 352 75 C B
UAØZS 91,136 356 64 C B
UA9AAP 73,632 312 59 C B
RA9FF 66,880 304 55 C B
UA9APA 66,240 240 69 C B
RUØAT 7,920 60 33 C B
UA9CDC 379,008 676 168 C C
RAØBA 177,056 503 88 C C
UAØAGI 27,192 206 33 C C
RA9DZ 7,216 82 22 C C
RZ9CX 5,508 51 27 C C
RK9JWJ (UA9JLZ,UA9JMA,
UA9JQN,ops)
43,188 354 61 D B
RZ9AWK (RZ9AE,RV9BB,ops)
132,374 370 121 D C

## Kazakhstan

UP5P (UN5PR,op)
249,260 1210 103 B B
UP6F (UN7FZ,op)
204,204 663 77 C A
UN7PJO 110,500 427 65 C B
UN9LN 4,576 44 26 C B
UP4L (UN7LZ,op)
380,256 932 102 C C
UPØL (UN9LW,UN7LAN,ops)
1,308,096 2018 216 D C

## Hong Kong

VR2BG 833,184 1578 132 C C

## India

VU3DMP 7,400 100 37 B B

## Cambodia

XU7AAP 43,216 223 73 A C

## Europe

## Croatia

9A2EY 183,400 406 131 A A
9A1CMS (9A5TR,9A5AHD,9A4RJ,ops)
427,632 741 177 A B
9A3CY 378 11 9 A B
9A2RD 325,464 1146 142 B B
9A3IJ 19,656 182 54 B B
9AØC (9A2HI,op)
190,376 449 106 C A
9A3VM 612,648 1206 127 C B
9M2JI (JK1AJX,op)
46,760 335 35 C B
9A6DM 793,936 1389 143 C C
9A1O (9A2OM,9A3IQ,9A5I,ops)
1,171,620 1627 230 D C
9A6ACY (+packet)
84,744 396 107 D C

## Portugal

CT1FLD 10,998 78 39 A B
CT1EAT 156,636 688 114 B B
CT1FOH 8,000 80 50 B B
CT1CLR 2,600 50 26 B B
CT8T (I4UFH,op)
948,660 2910 163 B C
CT1AUO 129,470 605 107 B C
CT1BNW 20,400 170 60 B C
CT1AOZ 480 15 8 C B
CT1EWX 75,050 395 95 C C
CQ9T (CT3CD,CT3EE,CT3KN,ops)
1,443,962 2127 247 D C

## Azores

CU2AF 73,098 393 93 B B

## Fed. Rep. of Germany

DL1DQY 1,568 17 17 A A
DL1WA 306,950 594 175 A B
DL4FAY 202,176 541 156 A B
DL2JRM 114,114 380 77 A B
DL3ZAI 96,968 254 124 A B
DL1DWT 52,851 185 79 A B
DJ9FG 41,902 173 73 A B
DL6RDR 1,111,392 1319 272 A C
DJ5BV 1,040,430 1308 237 A C
DL1MFL 345,654 711 173 A C
DL5YM 73,584 219 84 A C
DL1DRD 7,644 52 42 A C
DL6DVU 1,610 31 23 A C
DH1SGS 125,856 552 114 B B
DF5PP 38,376 246 78 B B
DH5WB 38,332 259 74 B B
DH5AO 31,680 220 72 B B
DF2EY 3,780 70 27 B B
DL8SDI 3,286 53 31 B B
DJ6GO 2,852 46 31 B B
DA1PJ 2,400 50 24 B B
DJØBX 352 16 11 B B
DJ6XB 32 4 4 B B
DF1LON 184,600 710 130 B C
DJ3HJ 100,580 470 107 B C
DL1PT 22,152 156 71 B C
DH9SBL 18,018 143 63 B C
DK3KD 86,508 243 89 C A
DL1LAW 36,064 184 49 C A
DM3XI 22,800 115 50 C A
DL7AXM 836 19 11 C A
DL1SAN 100,572 289 87 C B
DL5SVB 90,472 263 86 C B
DL2ZAV 90,464 257 88 C B
DJ5GG 87,576 246 89 C B
DJ9DZ 76,424 233 82 C B
DL3BRA 51,120 180 71 C B
DL2ANM 48,312 183 66 C B
DL5AUA 46,080 160 72 C B
DJ6TK 41,004 153 67 C B
DL8UAT 30,680 118 65 C B
DL4HG 30,160 145 52 C B
DL3DRN 25,520 110 58 C B
DL4JYT 15,824 92 43 C B
DL4KUG 12,400 62 50 C B
DF5RF 9,520 70 34 C B
DL5FCO 7,680 60 32 C B
DK5ZX 6,960 60 29 C B
DL5JQ 6,000 50 30 C B
DL7UXG 3,840 40 24 C B
DK8LV 719,040 1284 140 C C
DK3GI 288,900 535 135 C C
DL2MDU 183,232 409 112 C C
DL2GK 180,188 421 107 C C
DL1JF 166,872 409 102 C C
DL8KJ 165,172 347 119 C C
DL6UNF 156,560 380 103 C C
DK7ZT 132,800 332 100 C C
DJ2QV 118,560 312 95 C C
DJ2YE 63,000 225 70 C C
DL1YFF 62,444 233 67 C C
DL6KVA 54,064 218 62 C C
DL2RTJ 6,600 50 33 C C
DL5JS 4,200 50 21 C C
DL/KP4KE (+packet)
750,288 1096 232 D B
DF9ZP (+packet)
439,888 1447 152 D B
DL6RAI (+DL5RMH)
1,461,208 1778 269 D C
DFØNT (DH1TW,DL3SBI,ops)
1,220,184 1528 269 D C
DF4TD (+DL5GAC, DL1GFH, DL4GBA)
931,848 1450 246 D C

## Spain

EA7GSU 75,544 300 76 A B
EA2CR 35,360 139 65 A B
EA1CS 20,664 126 41 A B
EA1DFP 936 26 18 A C
EA3GEG 222,456 806 138 B B
EA3FCQ 98,674 479 103 B B
EA1BIM 41,820 246 85 B B
EA2CCG 28,440 237 60 B B
EA3AAW 27,156 186 73 B B
EA4DBS 26,880 160 84 B B
EA2AVM 20,592 156 66 B B
EA5AAJ 19,760 152 65 B B
EA1ET 17,936 152 59 B B
EA5TN 14,800 100 74 B B
EA5BJG 14,140 101 70 B B
EA3AGB 11,200 100 56 B B
EA3ACA 5,494 67 41 B B
EA4YK 5,148 66 39 B B
EA3ARN 4,784 104 23 B B
EA4EMC 2,728 44 31 B B
EA7FRX 2,700 50 27 B B
EA3ESJ 1,872 39 24 B B
EA5DFV 355,320 1269 140 B C
EA3BIM 261,366 1029 127 B C
EA3SD 106,476 467 114 B C
EA4WF 95,460 645 74 B C
EA3DUZ 86,000 344 125 B C
EA1EXE 82,416 408 101 B C
EA7AAW 69,580 245 71 C A
EA5FID 431,976 878 123 C B
EA4TX 417,136 899 116 C B
EA4BWR 108,800 360 85 C B
EA1WX 86,304 248 87 C B
EA1AEH 74,160 309 60 C B
EA1DG 49,348 169 73 C B
EA4DAT 19,012 97 49 C B
EA4OA 8,296 61 34 C B
EA7TG 5,984 44 34 C B
EA1FBJ 3,956 43 23 C B
EA1DAV 841,784 1514 139 C C
EA5FV 781,488 1459 134 C C
EA3AJW 346,752 672 129 C C
EA3BOX 329,544 1194 138 C C
EA3KU 274,704 582 118 C C
EA1JE 111,320 605 92 C C
EA5WI 110,110 605 91 C C
EA5CMQ 29,600 200 74 C C
EA1HF 28,512 107 66 C C
EA1FBB 12,384 129 24 C C
ED7AJR (+packet)
302,232 771 98 D B
EA7GTF (+packet)
872,236 1456 202 D C
EA3CI (+packet)
193,032 766 126 D C
ED5ASF (+packet)
88,004 449 98 D C
EA5DFX (+packet)
18,328 158 58 D C

## Balearic Islands

EA6LP 35,550 237 75 C C

## Ireland

EI5DI 453,900 829 170 A B
EI8IC 527,924 856 191 A C
EI4DW 432,424 997 191 A C
EI9HQ 378,222 1058 169 A C
EI7GL 178,842 727 123 B B
EI8IR 317,696 1241 128 B C
EI8GS 315,826 1327 119 B C
EI4CF 65,508 318 103 B C
EI8GP 374,612 787 119 C B

## Moldova

ER6A (ER1LW,op)
865,272 1439 186 A C
ER1OO 318,708 680 117 C B
ER1CW 101,232 342 74 C B

## Estonia

ES1CN 92,200 296 100 A B
ES6CO 57,776 190 92 A B
ES6PZ 60,760 196 98 A C
ES7FU 51,324 217 78 A C
ES1ABR 58,604 322 91 B B
ES5CX 3,792 79 24 B B
ES1XT (ES1CR,ES1JL,ES1DG,ops)
74,560 233 80 D C

## Belarus

EW5P (EW6DF,op)
194,712 600 133 A B
EU1SA 23,100 112 66 A C
EW1ABF 10,716 141 38 B B
EW1WZ 9,504 108 44 B B
EU1DX 342,108 732 117 C B
EU2MM 6,200 50 31 C B
EW8EW 462,196 971 119 C C
EW2AA 295,200 615 120 C C

## France

F5MGD 49,104 200 99 A A
F5JY 300,460 587 166 A B
F5POJ 233,930 482 149 A B
F6KRK 165,880 365 130 A B
F5NLX 31,460 143 55 A B
F5TVG 15,480 67 60 A B
F5RZJ 1,070,650 1493 245 A C
F6GOX 66,898 218 83 A C
F5TDK 336,824 1186 142 B B
F8BJI 163,668 593 138 B B
F6KFI (F8CGL,op)
79,516 386 103 B B
F8PMO 62,212 302 103 B B
F5RRO 37,440 180 104 B B
F5MAA 33,210 205 81 B B
F6CLM 6,880 80 43 B B
F6CTT 775,656 2394 162 B C
F6KBI 620,768 2042 152 B C
F6KRC (F6GLH,op)
618,944 2036 152 B C
F5CWU 432,162 1431 151 B C
F5LJA 384,300 1282 150 B C
F5LBL 300,796 1082 139 B C
F6FQK 197,408 797 124 B C
F8NAN 156,000 780 100 B C
F6OIE 155,232 441 88 C A
F6FTB 92,064 275 84 C A
F6IIE 173,400 425 102 C B
F5LJY 158,772 393 101 C B
F5AKL 156,800 392 100 C B
F6AUS 136,340 401 85 C B
F6FJE 119,568 318 94 C B
F8PDR 71,424 248 72 C B
F5RBG 62,660 241 65 C B
F5NQL 53,592 203 66 C B
F5SGI 46,292 162 71 C B
F8BQQ 12,936 66 49 C B
F6DZD 7,700 55 35 C B
F5ICX 1,040 20 13 C B
F5BBD 142,926 581 123 C C
F6KAV 94,428 549 86 C C
F6IFY 82,904 241 86 C C
F6KLO (+packet)
1,357,376 1790 254 D C
F5IQA (+F6IOC,F6IRF,F6HYE,F6GRC)
1,353,492 1745 246 D C
F6KPQ (F5PHW,F6DZD,F6ETI,
F6EPY,ops)
1,024,650 1320 225 D C
F6KJX (+packet)
366,064 672 167 D C

## England

GØOGN 104,218 269 107 A A
G3FNM 40,180 230 82 A A
GØWMW 178,398 357 153 A B
G3XTT 159,728 323 149 A B
G6QQ 96,084 259 102 A B
G4EDR 12,200 100 50 A B
MØSDX 857,090 1076 247 A C
G3MXH 404,064 876 184 A C
G3TMA 393,432 719 169 A C
GØAEV 344,960 1232 140 B B
GØKRL 194,120 844 115 B B
G4OJH 350,208 1216 144 B C
GØVSN 175,514 691 127 B C
G4EDG 238,336 532 112 C A
G3KKP 216,996 505 107 C B
G4IIY 133,960 394 85 C B
G3TJE 105,944 323 82 C B
M3C (GØVQR,op)
65,208 247 66 C B
G4ZME 54,464 184 74 C B
G3RSD 54,036 237 57 C B
GØMRH 13,760 86 40 C B
G5G 731,016 1278 143 C C
GØCKP 584,716 1067 137 C C
GØORH 373,008 818 114 C C
G4BJM 123,136 416 74 C C
G3ZRJ 80,812 227 89 C C
M5W (GØMTN,MØCOK,MØCOP,ops)
271,776 682 149 D B
M4U (GØDVJ,MØCGE, G7HOW,
G4FTP,G4YJQ,ops)
142,004 388 131 D B
M5X (GØIVZ,G4TSH,ops)
1,886,738 1940 287 D C
GB2DX (+packet)
1,041,680 1503 232 D C

## Northern Ireland

GIØKVQ 112,480 592 95 B B

## Scotland

MMØBQI 64,152 213 99 A B
GM4ELV 6,290 85 37 B A
GMØJKF 29,896 202 74 B B
GM4UYZ 17,464 148 59 B B
GM4YXI 673,904 2188 154 B C
GM3CFS 214,652 520 103 C B
GM3POI 841,208 1481 142 C C
MM5BRI 63,920 376 85 C C

## Guernsey

MUØFAL 12,920 85 38 C B

## Wales

GW4BLE 352,000 1375 128 B C
GW3NJW 378,720 789 120 C B

## Hungary

HAØGK 18,240 96 60 A A
HA6NF 1,419,024 1741 282 A C
HA5ORK 18,762 159 59 B A
HA6NL 422,240 754 140 C B
HA8ZC 98,072 299 82 C B
HA8DL 30,324 133 57 C B
HA7UG 648,048 1174 138 C C
HG9X (+packet)
110,760 355 78 D C

## Switzerland

HB9HFM 25,048 110 62 A C
HB2DAX 46,480 140 83 C A
HB9AYZ 30,160 130 58 C A
HB9ARF 282,720 589 120 C B
HB9DCM 188,640 393 120 C B
HB2DOT (HB9DOT,op)
51,220 197 65 C B
HB9DDZ 27,144 117 58 C C
HB2HFN (HB9HFM,op)
8,232 49 42 C C

## Italy

IK2BCP 15,600 91 75 A A
IC8POF 323,020 751 155 A B
IK3SSJ 130,548 443 129 A B
IK1YEE 32,390 165 79 A B
IK2QPR 429,856 900 202 A C
I2SVA 224,790 456 177 A C
IK2AOO 60,152 206 73 A C
IK2WYI 33,210 129 81 A C
IK4WMH 5,848 55 34 A C
IK5WGK 5,440 68 40 B A
IK2ZVU 344,660 811 190 B B
IT9HLR 232,562 961 121 B B
IV3BTY 156,240 630 124 B B
IT9ICS 145,418 799 91 B B
IZ5CML 103,378 405 127 B B
IK3STG 76,362 429 89 B B
IZ5ASZ 74,294 307 121 B B
I7FMN 40,404 273 74 B B
IZ1DFK 39,312 216 91 B B
IK2RPK 28,800 200 72 B B
IK5YJK 28,548 183 78 B B
IZ2ABN 18,864 131 72 B B
IK2WFN 9,894 97 51 B B
IK8IFW 8,080 101 40 B B
I2PJA 584,652 1762 166 B C
I4AVG 483,520 1511 160 B C
IK6GPZ 248,920 889 140 B C
IV3HAX 234,780 903 130 B C
IZ4DPV 103,032 486 106 B C
IK4QJM 79,296 413 96 B C
IK2LOL 77,430 435 89 B C
IK7YZF 5,670 63 45 B C
IK4UPB 714,816 1168 153 C B
IK7JWY 361,560 690 131 C B
IK2WXV 144,648 441 82 C B
IZ1ASP 57,120 204 70 C B
IK2RJK 50,864 187 68 C B
IZ1DFI 42,160 170 62 C B
IZ3ALF 373,592 697 134 C C
IK2AHB 278,928 596 117 C C
I1HJT 210,936 560 94 C C
IZØAIS 200,448 520 96 C C
IK2WZV 198,522 807 123 C C
IK4MED 117,568 334 88 C C
IK4SXH 42,592 242 88 C C
IK1GNC 11,160 90 31 C C
IV3RCH (+IV3GHY,IV3RAV,IV3HYD,
IV3WQF) 312,352 735 172 D
IK4VET (+IK4RQJ,IK4XCL,IK4ZHH)
865,428 1356 246 D B
IT9GSF (+packet)
1,773,840 2281 285 D C
IK2EKY (+I2VXJ,I2EOW,IK2QEI,
IW2HAJ) 1,676,742 2078 291 D C
IK4MGP (+IK4SXJ)
1,099,824 1416 264 D C
IØTIC (+packet)
685,100 1186 221 D C
IV3ZUY (+packet)
77,406 399 97 D C
IK4QIB (+packet)
44,772 273 82 D C

## Sardinia

IS0IGV 343,197 601 171 A B

## Norway

LA6YEA 791,384 1007 253 A C
LA5JX 63,540 353 90 B B

## Luxembourg

LX1JH 93,744 298 126 A B
LX1NW 54,648 297 92 B B
LX9SW 361,504 1264 143 B C

## Lithuania

LY9A (LY3BA,op)
634,314 911 213 A B
LY2LA 74,800 220 100 A B
LY2GF 715,104 1115 191 A C
LY2IC 41,464 149 73 A C
LY2BBF 2,538 47 27 B B
LY2AT 92,520 257 90 C B
LY1DR 89,760 255 88 C B
LY2FF 13,580 97 35 C B
LY4AA 651,456 1132 144 C C

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LY1DS 336,420 625 135 C C
LY2KM 131,100 345 95 C C
LY3BH 4,644 43 27 C C

### Bulgaria

LZ1UQ 311,540 531 185 A A
LZ2ØØØA 288,252 631 153 A B
LZ2MP 158,372 347 137 A B
LZ2UZ 95,904 248 108 A B
LZ1NG 746,648 1393 134 A C
LZ5AZ 43,660 295 74 B B
LZ2RS 151,240 399 95 C A
LZ2PL 444,600 855 130 C B
LZ2GS 245,520 396 155 C B
LZ1QH 116,656 317 92 C B
LZ1IQ 91,840 280 82 C B
LZ2DL 43,648 176 62 C B
LZ1QV 31,212 153 51 C B
LZ2RF 47,632 229 52 C C
LZ9W (LZ1ANA,LZ1FG,LZ1ZD, LZ4AX,ops)
973,370 1316 235 D C

### Austria

OE8CIQ 303,858 559 153 A C
OE8SKQ 289,536 754 96 A C
OE5XWM (OE5CWL,op)
44,892 261 86 B B
OE1DIA 62,400 208 75 C B
OE3BCA 16,128 84 48 C B

### Finland

OH1MM 9,912 74 42 A B
OH1NSJ 110 6 5 A B
OH1F 1,074,186 1377 249 A C
OH5NHI 12,960 144 45 B A
OH2BPA 21,600 200 54 B B
OH1MA 288,696 1046 138 B C
OH2RA 123,826 613 101 B C
OH2YL 8,976 67 34 C A
OH3IR 94,080 280 84 C B
OH6RC 55,404 171 81 C B
OH3KOK 36,792 126 73 C B
OH1UP 1,536 96 16 C B
OH6NIO 504,360 934 135 C C
OH6NJ 220,224 496 111 C C
OH1MDR 98,968 278 89 C C
OH5PT 5,336 46 29 C C

### Czech Republic

OK2VWB 426,120 698 201 A B
OK1WMV 422,968 767 166 A B
OK1DCF 305,804 544 178 A B
OK1SI 248,920 536 140 A B
OK1DDO 245,848 460 158 A B
OK2ON 179,760 429 105 A B
OK1VBA 98,640 294 120 A B
OK1DVK 65,988 144 141 A B
OK2PBG 54,320 194 70 A B
OK1AUP 8,460 59 45 A B
OK1RI 1,786,400 2211 290 A C
OK2FD 910,470 1184 267 A C
OK1EP 834,452 1171 227 A C
OK1CW 233,856 438 174 A C
OK1AXB 154,350 325 147 A C
OK1DXW 149,600 358 136 A C
OK1GW 49,140 273 90 B A
OK2ZAW 41,168 248 83 B A
OK1AIJ 2,296 41 28 B A
OK2INW 124,608 529 118 B B
OK1AKF 17,010 135 63 B B
OK2EQ 16,958 139 61 B B
OK2RZ 559,200 1864 150 B C
OK2PYA 112,104 346 81 C A
OK1DMP 1,512 21 18 C A
OK1AES 231,812 487 119 C B
OK1GI 225,040 485 116 C B
OK2MBP 200,016 462 108 C B
OK2SJ 170,952 419 102 C B
OK2PAE 158,796 401 99 C B
OK1GS 120,848 332 91 C B
OK1ZP 120,840 318 95 C B
OK2SGY 119,700 315 95 C B
OK1AYY 94,860 279 85 C B
OK2BNC 78,840 219 90 C B
OK2VP 69,000 230 75 C B
OK2BUD 44,604 189 59 C B
OK1FCA 33,280 160 52 C B
OK1AOU 33,020 127 65 C B
OK2ZJ 31,080 210 74 C B
OK2XA 11,152 68 41 C B
OK2BHE 4,680 45 26 C B
OK1DRQ 635,256 1037 153 C C
OK2PDT 394,224 764 129 C C
OK2ZC 295,000 590 125 C C
OK1AOV 222,180 483 115 C C
OK2ABU 137,632 374 92 C C
OK2KLI 134,460 405 83 C C
OK1OX 38,688 186 52 C C
OK1DUT 15,520 97 40 C C
OK2KRT (OK2BUZ,OK2XA,OK2CVA, OK2DW,OK2VMC,OK2BJS,ops)
179,220 414 145 D C
OK1FJD (+packet)
5,016 47 38 D B
OL5Q (OK1FFU,OK1HRA,OK1VSL, ops) 870,300 1222 225 D C
OK1KZD (OK1DSF,OK1TO,ops)
169,200 450 94 D C

### Slovakia

OM6T 703,948 938 217 A B
OM6AZ 283,856 509 157 A B
OM4DN 191,520 423 126 A B
OM7CA 74,760 223 84 A B
OM7RC 32,032 128 77 A B
OM1A 1,096,056 1648 234 A C
OM3NA 1,042,496 1512 224 A C
OM3KFF 463,704 834 139 A C
OM4KK 61,404 301 102 B B
OM3YK 26,718 183 73 B B
OM7YC 21,488 158 68 B B
OM8CA 3,800 100 19 B B
OM0TT 154,336 304 106 C A
OM7PA 160,384 358 112 C B
OM2TB 83,996 253 83 C B
OM3CDZ 66,516 241 69 C B
OM4DA 54,432 216 63 C B
OM3BA 52,800 200 66 C B
OM7IR 42,160 155 68 C B
OM7VF 41,976 159 66 C B
OM7AG 30,316 143 53 C B

### Belgium

ON7NQ 390,456 620 204 A B
ON4CHK 16,366 93 49 A B
ON5LL (ON6ZX,op)
165,208 772 107 B B
ON5GQ 114,704 536 107 B B
ON4AFU 417,804 941 111 C B
ON6CW 226,980 485 117 C B
ON4XG 207,360 480 108 C B
ON6TJ 122,108 343 89 C B
ON7SS 20,680 110 47 C B
OTØT (ON4WW,ON4UN,ops)
1,947,240 1842 324 D C
OTØH (+packet)
921,968 1289 232 D C
OTØZ (ON4CBJ,ON4AMX,ON7GB, ON4CJI,ON1DRZ,ops)
711,760 1366 217 D C
ON6BR (ON4CHL,ON4AYL,ON4AUP, ON4BCN,ON4AGY,ops)
236,160 960 123 D C

### Faroe Islands

OY1CT 325,200 813 100 C C

### Denmark

OZ6PI 27,216 111 68 A B
OZ1HXQ 343,808 1264 136 B C
OZ5EV 89,154 351 127 B C
OZ5UR 53,592 203 66 C B
OZ4FF 4,560 38 30 C B
OZ1AA 520,520 1001 130 C C
OZ3ZW 293,716 757 97 C C
OZ5MJ 19,200 100 48 C C
OZ4OC 2,160 36 15 C C
OZ5BAL (OZ1JTE,OZ6AFZ,OZ1JSH, ops) 97,000 500 97 D C

### Netherlandsx

PA3ELD 234,768 506 146 A A
PA3AAV 111,872 292 128 A B
PA3FDO 463,722 863 183 A C
PI4TUE 284,832 711 172 A C
PAØKHS 90,064 433 104 B B
PAØJNH 38,400 240 80 B B
PA3GZC 12,264 146 42 B B
PA9JJ 4,410 63 35 B B
PAØKDM 3,420 57 30 B B
PAØRBO 2,378 41 29 B B
PA1GS 810 27 15 B B
PA3DVA 234 13 9 B B
PA3FQA 358,708 1114 161 B C
PAØIJM 340,600 1300 131 B C
PA3EMN 134,688 366 92 C B
PA3ARM 128,820 348 95 C B
PA3BGQ 80,300 275 73 C B
PAØJED 59,640 213 70 C B
PA3BFH 51,968 224 58 C B
PA1MRK 21,280 132 40 C B
PA3HBX 3,864 46 21 C B
PA5WT 216,432 500 108 C C
PA3ADJ 91,512 279 82 C C
PI4RCK (PE1PZF,PA3GZM,PA4MRS, PA3GPC,PB9FN,NL-12818,PA5TG, PB5DX,PB7CW,ops)
241,384 528 143 D B
PA1AW (+packet)
214,676 451 119 D B
PI4COM (+packet)
1,501,760 1704 304 D C
PA1TT (+PA3FGI,PA2AWU)
683,316 1346 222 D C

### Slovenia

S52LW 423,738 662 189 A B
S51W 404,544 760 172 A B
S51TA 1,265,544 1683 243 A C
S55A 544,128 882 192 A C
S56A 318,756 492 202 A C
S57M 196,812 693 142 B B
S57AW 696,960 1981 176 B C
S51DX 380,100 1267 150 B C
S52ZW 375,900 1251 150 B C
S57U 303,360 633 120 C B
S53AU 16,320 85 48 C B
S59A 965,328 1548 156 C C
S58A 868,552 1439 151 C C
S51B 470,136 1031 114 C C
S5ØC (+packet)
1,886,820 2131 295 D C
S55M (S55M,S59KW,IK3UNA,S57C, S51EQ,ops)
1,711,952 2179 274 D C
S53S (S5ØB,S57IIO,S57NDT,S57LWG, IV3IPS,ops)
166,212 729 114 D C

### Sweden

SM6DER 264,060 495 163 A B
SM3EAE 29,046 160 47 A B
SMØBDS 16,536 83 53 A B
7S2E (SM2DMU,op)
662,962 986 211 A C
SM6WQB 169,024 373 139 A C
SM7LZQ 1,792 32 28 A C
8S7A (SM7CRW,op)
194,304 759 128 B B
8S7K 37,064 226 82 B B
SM4AIO 26,622 153 87 B B
SMØMCE 4,368 91 24 B B
SKØUX 368,804 1346 137 B C
SMØFM 5,840 73 40 B C
SM7CZC 3,024 28 27 C A
SM5G (SM5JBM,op)
230,208 528 109 C B
SM3AVW 132,888 339 98 C B
SM3X (SM3CVM,op)
121,520 310 98 C B
SM7EH 81,340 245 83 C B
SM2LIY 38,760 170 57 C B
7S5Q (SM5COP,op)
29,520 165 45 C B
SM6N (SM6NJK,op)
21,996 117 47 C B
8S5A (SM5AJV,op)
21,504 112 48 C B
SM2T (SM2EZT,op)
239,760 540 111 C C
SM7BHM 109,504 307 116 C C
8S5X (SM5HJZ,op)
75,492 233 81 C C
SM7BVO 41,472 162 64 C C
SL2ZA (+SM2UJW,SM2VHD)
42,250 225 65 D B
SM7BJW (+packet)
20,976 114 46 D B

### Poland

SP2EWQ 108,750 275 125 A A
SP3GTS 301,368 501 174 A B
SQ9HYM 284,598 583 163 A B
SP3LWP 121,568 353 116 A B
SP5ANX 119,504 317 97 A B
SP5BB 18,480 151 60 A B
SP5ATO 116,688 286 102 A C
SP2FWC 83,168 226 92 A C
SP9CP 21,420 170 63 B A
SP9QMP 244,408 892 137 B B
SP5LCC 78,440 370 106 B B
SP9KJT 29,346 219 67 B B
SN4AAZ 22,304 164 68 B B
SQ9LR 19,720 145 68 B B
SQ4CUX 14,616 126 58 B B
SP9HZF 14,364 126 57 B B
SP8UZJ 13,908 122 57 B B
SQ8FEW 8,448 96 44 B B
SP3BVI 6,020 70 43 B B
SP9MCU 4,620 70 33 B B
SQ9ZM 1,364 31 22 B B
SP7LHX 666 37 9 B B
SP7DQR 18 3 3 B B
SP6IXF 357,840 1278 140 B C
SP8GWI 177,862 787 113 B C
SP6CZ 149,668 527 142 B C
SQ8JLF 4,200 60 35 B C
SP7FDV 3,000 50 30 B C
SP4GFG 86,016 224 96 C A
SP9TTG 10,400 52 50 C A
SN8A (SP8AQA,op)
3,648 38 24 C A
SP4OIC 70,288 191 92 C B
SQ2HEB 58,712 179 82 C B
SP3HC 56,548 211 67 C B
SP3XR 26,260 101 65 C B
SP3AZO 13,244 77 43 C B
SP6BEN 9,512 58 41 C B
SP9KOV (SP9EMI,op)
2,640 33 20 C B
3Z3LPR 2,552 29 22 C B
SP7GIQ 888,592 1502 148 C C
SP6HTQ 14,042 119 59 C C
HF9KRT (SP9ADU, +op)
83,072 236 88 D B
SNØKAO (SP9LAS,SP9JZT,SQ9CAQ, SQ9DJG,ops)
66,248 255 98 D B
SP6AXW (+SP9IXF)
392 14 14 D B
SP2ØØØS (SP5UAF,SP5HGB,SQ5EBL, SP5TAT,SQ5BPM,ops)
608,336 987 197 D C
SQ4NR (+packet)
39,884 169 59 D C

### Greece

SV1CIB 116,928 424 116 A B
SV1DZB 32,376 228 71 B A
SV1DKL 111,296 592 94 B B
SV2AEL 18,328 158 58 B B

### Bosnia-Herzegovina

T94KW 2,142 51 21 B A
T92M 123,888 348 89 C B
T99W 599,700 2000 150 C C

### Iceland

TF3IRA (TF3AO,TF3HP,ops)
294,930 1305 113 D C

### Corsica

TK5EP 2,273,020 2790 290 A C

### Kaliningrad

RN2FA 55,980 180 90 A B
UA2CZ 41,464 142 73 C B
RW2F (UA2FB,UA2FF,UA2FM,ops)
1,446,016 1718 286 D C

### European Russia

RX3AEX 46,998 234 63 A A
RU3QW 641,650 1085 205 A B
UA4FER 508,444 1018 158 A B
RA3AD 453,872 1040 152 A B
RU3FM 295,392 532 181 A B
RN4WA 288,876 663 133 A B
RW3DU 203,320 531 130 A B
RW3TN 202,908 553 111 A B
RA3OU 146,812 510 127 A B
RA3AF 135,660 466 102 A B
UA3QU 61,766 236 89 A B
RA1AR 9,000 79 36 A B
UA3LBE 2,484 52 23 A B
UA6LP 1,850 29 25 A B
RW3DY 986 17 17 A B
RW1ZA 1,068,608 1346 236 A C
RK6CZ 994,520 1374 230 A C
RD4M 900,340 1413 218 A C
RX3ARI 850,542 1147 231 A C
UA6LJ 720,232 1179 197 A C
UA4RC 416,888 817 164 A C
UA1AJW 183,306 509 137 A C
RU3DX 83,136 323 96 A C
RU6MM 73,600 209 100 A C
RZ1AZ 55,000 198 100 A C
RX3DTN 31,878 162 63 A C
RA3DGH 19,608 228 43 B A
RA3WA 111,512 524 106 B B
RA3DNC 80,256 456 88 B B
RN3RQ 75,050 395 95 B B
RZ1AK 57,904 376 77 B B
UA3LHL 22,554 179 63 B B
U1BA 19,600 196 50 B B
UA4LBK 18,612 198 47 B B
RZ1AU 13,588 158 43 B B
RA6AZ 4,130 60 35 B B
UA4LCH 270,000 1080 125 B C
UA3BL 207,690 903 115 B C
RA3ANI 69,160 455 76 B C
RZ6HX 60,444 219 69 C A
UA3AD 3,960 45 22 C A
RZ4FA 319,000 725 110 C B
RM3C 263,112 577 114 C B
UA4RF 187,060 499 94 C B
RN6AL 175,152 492 89 C B
RZ3DX 144,840 426 85 C B
RA4CTR 134,368 494 68 C B
UA1ZZ 90,160 322 70 C B
RN6CF 86,976 302 72 C B
RV4LM 64,588 241 67 C B
UA6AK 42,640 163 65 C B
RW4CW 38,912 128 76 C B
RW1AI 31,842 166 61 C B
RK3DK 25,480 182 35 C B
RK9AD 22,816 124 46 C B
RU3RQ 8,680 70 31 C B
UA1CIO 6,936 51 34 C B
RM4W 1,038,162 1612 213 C C
RU4CO 387,960 915 106 C C
UA3TU 355,736 839 106 C C
UA3RV 264,792 649 102 C C
RK6BZ 55,680 290 48 C C
RK3AD 20,240 111 46 C C
RV1CC 19,764 82 61 C C
RK3EWA (UA3EKG,RZ3EC,RZ3EM, ops) 200,032 523 133 D
UA1ANA (+packet)
139,446 391 127 D B
RM6A (+packet)
1,889,694 2224 277 D C
RU1A (RV1AW, RA1ACJ, RN1AM, logger) 1,395,034 1670 269 D C
RL3A (RA3ATX,RK3AW,RV3BA, UA3ASZ,UA3QDX,ops)
1,249,752 1621 258 D C
RI3A (+packet)
867,150 1468 205 D C

### Ukraine

UT1QW 631,182 1101 177 A B
UT5JDS 276,176 505 164 A B
USØKW 260,100 498 153 A B
UY5TE 156,032 415 106 A B
EM3J (UU2JZ,op)
1,407,648 1816 248 A C
UT2IY 949,922 1454 211 A C
UX5UO 163,800 360 140 A C
UUØJC 55,800 203 100 A C
UZ5U 234,740 970 121 B B
UU4JO 86,592 492 88 B B
UR5QBB 43,168 304 71 B B
US5WDL 34,034 221 77 B B
UT4MW 252 18 7 B B
UV7D (UR5DDZ,op)
349,962 1241 141 B C
UR6MX 161,998 757 107 B C
UT7QL 119,544 586 102 B C
UT7MD 6,240 80 39 B C
UT1YV 1,840 46 20 B C
US3QW 70,744 239 74 C A
UR9MM 26,400 150 44 C A
UTØH 8,640 60 36 C A
UT2QQ 345,876 779 111 C B
UT2IO 339,760 685 124 C B
UR4QOS 254,800 650 98 C B
UT1FA 190,120 485 98 C B
UR6QS 145,236 399 91 C B
UX7MY 133,760 418 80 C B
UT5PW 90,472 263 86 C B
UX5EF 75,392 248 76 C B
UT7QF 74,256 238 78 C B
UT1IA 8,024 59 34 C B
UT5UGR 338,496 688 123 C C
UR7IA 120,600 403 75 C C
UR2E (UR7EO,US6EX,UR5EFJ, US6ET,ops)
408,028 847 166 D B
UX2FXX (UT9FJ,UR5FJF,UT7FO,ops)
593,460 915 210 D C

### Latvia

YL2NN 96,800 310 100 A B
YL7A 556,404 915 199 A C
YL2LY 329,300 560 178 A C
YL7C 140,346 621 113 B B
YL3BZ 7,128 81 44 B B
YL2NK 36,456 148 62 C B
YL3DW 473,144 833 142 C C

### Romania

YO4AAC 20,828 142 41 A A
YO2BEH 297,756 600 162 A B
YO7BGA 194,824 413 142 A B
YO3APJ 181,662 410 137 A B
YO9HP 24,752 110 68 A B
YO8MI 52,206 222 77 A C
YO9GZU 16,160 202 40 B A
YO3III 1,978 43 23 B A
YO7LBX 28,860 195 74 B C
YO6EX 255,360 573 114 C B
YO9FJW 201,144 493 102 C B
YR8A (YO8RXP,op)
196,560 473 105 C B
YO6BHN 170,640 395 108 C B
YO3ND 148,896 376 99 C B
YO8FR 104,192 296 88 C B
YO4ZF 53,088 171 79 C B
YO8DHD 51,336 208 62 C B
YO6BMC 46,964 199 59 C B
YO2ARV 39,984 119 84 C B
YO4GJS 31,104 216 36 C B
YO5OEF 32,550 217 75 C C

### Yugoslavia

YU1AU 904,264 1277 218 A B
YU7CB 792,792 1144 234 A B
4N1N (YT1CA,op)
293,930 759 119 A B
YU7KMN (YU7RW,op)
131,610 400 123 A B
YU1KK 1,217,680 1606 248 A C
YU7BW 228,152 497 158 A C
YU1KN 93,526 463 101 B A
YU1JW 258,336 1104 117 B B
YU7QL 152,928 648 118 B B
YU1BO 9,828 117 42 B B
YT7A 361,790 1265 143 B C
YU1KR 202,776 497 102 C A
YU4WU 318,128 674 118 C B
YU1QW 217,560 518 105 C B
YU7GW 205,792 472 109 C B
4N1FG 96,104 293 82 C B
YU1BL 77,736 237 82 C B
YU1PJ 60 5 3 C B
YZ9A (YU1NW,op)
767,296 1262 152 C C
YU1OL 543,864 1054 129 C C
YU7SF 216,256 495 109 C C
YU7KM 156,180 411 95 C C
YV4A (YV5IVB,YV5AMH,OHØXX,ops)
2,917,488 3764 266 D C
YZ7A (+packet)
1,033,760 1430 208 D C

### Macedonia

Z32AF 117,602 287 127 A A
Z31GX 56,416 180 86 A A

## North America

### Barbados

8P6EX 234,080 1064 110 B C
8P9Z (K3KG, K4FJ,op)
3,496,262 3860 311 D C

### Cuba

CO2II 281,736 1204 117 B B

### Saint Martin

FS/W2JJ (+WB2BHC, W5GJ, K2KJI, W2AZK, KF2HC, WA2VUN,ops)
1,428,724 2008 209 D B

### Panama

HP1AC 288,144 664 108 C B

### Grenada

J37K 598,000 2300 130 B C
J38DX (K1KI,op)
2,045,440 3197 160 C C

### Alaska

KL7RA 1,039,232 1881 184 A C
KL7FAP 96,960 606 80 B B
WL7UQ 48,160 344 70 B B
KL2A 792,880 1871 106 C C

### Virgin Islands

WP2Z (AG8L,op)
2,301,240 2841 254 A B
KP2/WAØQII 286,790 1205 119 B A
NP2B 75,296 362 104 B A
KP2/N3IQ (ND3F,op)
791,120 1593 124 C A
KP2D (KP2N,NP2E,NP2W,NP2DJ, WP2S,ops) 374,392 1766 106 D B

### Puerto Rico

WP4LNY 15,400 140 55 B B
WP3GG 12,528 36 174 B B
NP3OD 5,360 67 40 B B
NP3G 1,080,624 1916 141 C B
NP4Z (NP3A,op)
1,148,712 2081 138 C C

### Costa Rica

TI1Z (TI4ZM,op)
285,360 1161 123 B B

### Antigua & Barbuda

V26JT 717,824 1402 128 C B

### Belize

V31QI (+packet)
1,700,748 2517 238 D C

### St.Kitts & Nevis

V44NK 327,408 1436 114 B C

### Turks & Caicos Islands

VP5Q (KTØF,NØWBV,ops)
1,949,706 2891 229 D B
VP5K (AA5B, K9DX, K9RS, ops)
4,091,778 4655 309 D C
VP5DX (N4KE,NU4Y,ops)
3,128,488 3972 292 D C

## Oceania

### Philippines

4D68LER 8,512 152 28 B A
DU1DX 17,730 197 45 B B
DU7/N7ET
78,384 284 69 C A
DU1ODX 111,000 375 74 C B
DU3NXE 19,304 127 38 C C

### Mariana Islands

KHØA (JF1MIA,JH7IMX,JE2PCY,ops)
2,012,350 2783 241 D C

### Hawaii

KH6CDO 3,400 34 50 B A
KH6GMP 175,440 1020 86 B B
KH6/N6TCZ 300 15 10 B B
KH6ND 1,303,680 2328 140 C C
KH6IN (KH6B,AH7A,NH6DR, WH6LU,ops) 71,540 265 98 D B
WH7K (+packet)
798,336 1698 168 D C

### Marshall Islands

V73UX 451,704 1915 118 B C

### Australia

VK2APK 405,888 683 168 A B
VK5GN 382,400 714 160 A C
VK2XZ 259,700 1225 106 B C
VK4DMP 58,032 312 93 B C
VK4TT 172,416 450 96 C B
VK4XW 3,016 29 26 C B
VK4WIL (VK4DX,VK4DZ,VK4FJ, VK4SN,ops)
1,128,834 1579 217 D C

### Indonesia

YB1KOR 62,426 201 91 A B
YCØLOW 36,358 180 53 A B
YC3IZK 30,120 251 60 B B

### New Zealand

ZF2AH 931,588 1596 194 A C
ZL3GA 52,200 290 90 B B
ZL1TM 80 8 5 B B
ZL1ANJ 396,074 1489 133 B C
ZF2NT 713,160 1415 126 C A

## South America

### Chile

CE4PBB 19,630 150 65 A B
3G3R (+packet)
1,217,088 2111 144 D C

### Bolivia

CP1FF 13,000 130 50 B C

### Uruguay

CX5BW 1,964,476 2547 262 A C
CX1ACV 246,380 970 127 B B
CV5H 160,072 748 107 B B
CX3CCC 52,020 306 85 B C
CX9AU 451,572 933 121 C B
CX1JJ 293,584 620 118 C B
CX1CCC (+packet)
973,090 1457 215 D C

### Ecuador

HC2BEV (UA4WAE,op)
104,120 497 95 A B
HC2SL 979,808 1828 134 A C

### Colombia

HK3AXY 86,240 561 77 B C

### Argentina

LP1F 1,343,816 1862 241 A B
LU5VV 752,972 1444 218 A B
LU2FA 1,319,472 1944 238 A C
LU7YS 1,302,336 1736 266 A C
LU5FA 1,072,560 1456 218 A C
LU3VD 175,208 724 121 B A
LU1VK 55,242 297 93 B A
LU5EVK 38,880 270 72 B A
LU2HNP 32,980 194 85 B A

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LU3DR 22,620 145 78 B A
LU1HN 4,556 67 34 B A
LU4DX 408,002 1351 151 B B
AYØN 281,154 997 141 B B
LW7EIC 274,512 1032 133 B B
LU8ADX 226,446 803 141 B B
LU1FF 185,244 718 129 B B
LU2EC 173,508 761 114 B B
LW7EGO 78,492 422 93 B B
LU5JKG 3,850 55 35 B B
LW1HDJ 2,704 52 26 B B
LU1HF 670,026 2085 159 B C
LU1NDC 484,806 1649 147 B C
LW5DR 61,752 186 83 C A
LU1EWL 461,648 945 122 C B
LU8DW 303,800 775 98 C B
LW7DQW 16,644 146 57 C C
LT5Y (LU1YU,LU2VDQ,ops)
113,678 503 113 D B
LP5F (+packet)
1,794,774 2402 267 D C
LU5FB (LU1FGE,LU1FAM,LU6FQD,
LU3FQG,LU2FT,LU1FKR,
LU3FZW,ops)
1,601,536 2431 256 D C
L5ØDK (LU5EML,LU7DW,LW7EKM,
LW9EUJ,ops)
1,372,272 1726 253 D C
LU4AA (LU1BCE,LU3DW,LU7AWP,
LW9DAH,ops)
1,101,926 1440 217 D C
LU1FC (+packet)
952,020 1417 205 D C
LU5FF (+packet)
426,650 748 161 D C
LU9APM (+packet)
124,968 287 127 D C

### Peru

4T4AHW (OA4AHW,op)
52,190 307 85 B C

### Aruba

P43E 689,564 2573 134 C C
P43JB 181,152 444 102 C C

### Brazil

PV8AZ 1,634 26 19 A B
PYØFF 1,356,272 2291 148 A C
PP1CZ 308,688 654 118 A C
ZX2B (PY2MNL,op)
423,280 1480 143 B B
ZX4Y 158,208 618 128 B B
PY2LED 64,672 344 94 B B
PS5S 49,104 264 93 B B
PU2MXU 47,160 262 90 B B
PY5JO 32,224 212 76 B B
PR7AR 306 17 9 B B
PR7FN 33,110 215 77 B C
PY7ZY 13,800 115 60 B C
PR7SM 13,442 143 47 B C
PY2ELG 10,140 65 39 C A
ZV8O 741,840 1407 132 C B
PY4FQ 81,780 236 87 C B
PQ7Q (PY7IQ,op)
50,148 200 63 C B
ZW2Z (PY2ZI,op)
18,240 120 38 C B
PY2KC 983,412 2775 177 C C
PT2/KC2BAA 356,532 801 111 C C
PY3AU 158,368 392 101 C C
PY5HSD 83,844 411 102 C C
ZV8I (PV8IG,op)
14,160 120 59 C C
PY7BEL 3,306 57 29 C C
PU7ENW 1,540 35 22 C C
PX2W (PY2YU,PY2NDX,ops)
1,097,008 1409 253 D B
PY3MHZ 1,158,936 1591 258 D C
PY2GEC (PY2TO,PY2GY,PY2ESZ,
PR8RZJ,PU2WFP,N5TN,op)
393,696 1367 144 D C
PY2ZR (+PU2NYV)
138,370 392 137 D C
PY2NY (+PU2VYT)
666,250 1110 205 D C
PT7ZAA (+packet)
27,974 129 71 D C

### Venezuela

YV7QP 148,352 360 122 A B
YW3B 128,952 597 108 B B

## 1

### Connecticut

K7SZ 24,528 125 56 A A
NM1K 19,352 112 59 A A
K1RO 1,476,984 2006 246 A B
W3EP 1,159,152 1519 248 A B
W1EQ 404,376 855 166 A B
W1TS 73,402 224 107 A B
N1BSV 40,404 259 78 A B
W1IVB 21,420 152 51 A B
NX1Q 17,568 99 61 A B
KQ2M 2,747,164 3279 287 A C
N8WXQ 207,350 548 143 A C
KA1VMG 105,640 275 139 A C
N1NQD 104,160 307 140 A C
NT1N 74,080 234 80 A C
WV1M 34,030 163 83 A C
N1JEO 22,320 186 60 B A
KA1JVR 139,496 658 106 B B
KA1SVK 100,254 539 93 B B
W1AZT 33,440 209 80 B B
N1OPO 9,520 119 40 B B
W1CTN 3,920 70 28 B B
K1MKF 2,320 40 29 B B
W1AMF 264,320 1120 118 B C
W1AW (N1ND,op)
141,812 587 121 B C
N4QX (@W1INF)
5,376 47 28 C A
W1TJL (+K1EBY)
956,768 1339 232 D B
N1MM (+N1IX)
1,577,372 2017 278 D C
K1JN (+packet)
166,586 420 163 D C
N4XR (+packet)
62,712 201 78 D C

### Eastern Massachusetts

WG1Z 116,012 299 97 A A
K1HT 420,336 681 189 A B
W1VIV 371,312 638 184 A B
N3KCJ 251,542 573 173 A B
K1WCC 44,398 281 79 A B
NF1A 9,540 70 45 A B
N1IR 333,940 1415 118 B B
N1SV 303,134 1157 131 B B
K1YA 110,400 575 96 B B
W1DYJ 84,376 398 106 B B
KA1AMR 82,752 431 96 B B
W1MMM 72,420 355 102 B B
WA1VIL 50,034 269 93 B B
WA1OFR 49,896 308 81 B B
KY1B 33,490 197 85 B B
KD1EA 5,904 72 41 B B
W1PLK 5,472 76 36 B B
N1IBC 300,356 1262 119 B C
W1RY 251,056 923 136 B C
K1RC 59,616 207 72 C A
W1WAI 661,436 1207 137 C B
K1DC 524,680 1009 130 C B
WZ1K 227,156 521 109 C B
K1EP 163,072 392 104 C B
W1TW 70,632 218 81 C B
K5MA 299,712 669 112 C C
K1TH 70,956 219 81 C C
KV1J (+packet)
101,436 474 107 D B
AA1ON (+W1RH,KC1YR)
2,035,638 2283 297 D C
K2C (N1RR,WM1K,N1LH,N1XS,
N2PGD,ops)
1,393,800 1784 276 D C
AG1C (+KA1VWX)
82,840 250 109 D C

### Maine

W1LIC 218,808 615 108 A B
AA1KS 84,328 312 83 A B
N1LW 66,640 340 98 B A
W1CEK 240 12 10 B A
AB1R 153,866 719 107 B B
WN1OTV 43,500 290 75 B B
KL7JR/1 1,806 43 21 B B
W4ZGR 4,368 42 26 C A
K1PQS 361,552 764 118 C B
KD1OG 42,432 156 68 C B
AC1O 250,852 527 119 C C
W1GF 165,064 439 94 C C

### New Hampshire

KG1V 246,960 531 147 A B
W1XZ 70,434 228 91 A B
K1PDY 17,020 106 74 A B
KC1F 278,472 605 164 A C
W1DAD 160 10 8 B A
K1MOM 3,744 52 36 B B
WW1O 98 7 7 B B
AA1CA 216,140 505 107 C A
AA1QD 1,976 26 19 C A
WE1USA 911,232 1582 144 C B
W1END 169,600 424 100 C B
KR1G 933,984 1693 138 C C
K1BV 145,512 423 86 C C
WA1ZYX (+packet)
60,196 298 101 D B
AE1D (+KB1FQC)
53,044 200 89 D B
KC1XX (+K1GQ,KM3T)
3,181,272 3690 318 D C

### Rhode Island

K1VSJ 109,668 308 111 A B
N1NK 27,224 159 83 A B
KS1J 348,432 587 183 A C
N1HRA 207,878 840 121 A C
W1RFQ 93,264 223 134 A C
W1VHF (W1JJM,op)
7,488 117 32 B A
N1OLF 186,500 746 125 B B
K4IJK 3,328 52 32 B B
K1AM 857,308 2713 158 B C
W1OP 330,528 1252 132 B C
AB1BX 157,036 473 83 C B

### Vermont

KA1BSZ 3,952 58 26 A B
K1CN 310,800 760 168 A C
N1BQ 58,968 324 91 B A
N1BCL 56,376 324 87 B B
K1LPS 54,880 245 112 B B
W1SJ 675,410 2329 145 B C
N2FF 531,216 1953 136 B C
K1IB 136,080 374 90 C B
AA1SU 125,736 338 93 C B
K1KD 6,322 55 29 C B
K2LE 964,540 1663 145 C C
W1PU (AA1SU,N1ZUK,K1HD,ops)
678,948 1738 174 D C

### Western Massachusetts

K5ZD 463,736 836 196 A C
KX1X 165,564 657 126 B B
W1KT 123,664 472 131 B B
WT1S 107,100 526 102 B B
N1FUS 101,124 477 106 B B
KB1EAA 79,734 411 97 B B
N1ISB 38,376 246 78 B B
N1VOR 34,604 211 82 B B
N1MHH 26,108 214 61 B B
K1VUT 873,600 1560 140 C B
AE1B 233,604 567 103 C B
AA1JD (+packet)
1,461,796 2091 238 D C
WA1ZUH (+packet)
105,600 257 150 D C
NC1I (+N1SR) 89,880 420 107 D C

## 2

### Eastern New York

W2WB 80,276 261 122 A A
W2ENY 299,290 682 173 A B
WD2K 20,492 110 47 A B
W2GDJ 295,152 757 172 A C
AB2IW 61,060 355 86 B A
WA2YEI 11,500 115 50 B B
N2HTT 10,290 105 49 B B
KB2SSS 4,864 76 32 B B
N2LLS 330 15 11 B B
N2MTG 204 17 6 B B
WT4Q 384,468 1393 138 B C
K2ZZ 102,240 426 120 B C
N3EMF 94,752 423 112 B C
W2FCA 48,694 251 97 B C
N2XG 16,896 192 44 B C
K2DW 124,600 350 89 C A
N2JJ 104,580 315 83 C A
K2UF 396,552 806 123 C B
WW3K 101,104 284 89 C B
AI2L 62,656 178 88 C B
K2SX 614,856 1122 137 C C
NA2M 153,088 368 104 C C
N2IX (+N2IW, W2RE)
2,041,170 2407 285 D C
K2UG (KE2DX,WA2JQK,N2BZP,ops)
1,062,396 1720 243 D C
W2MU (@W2XL)(KD2NE,N2MCI,
WA2MMX,W2XL,ops)
842,240 1165 224 D C
KE2I (+logger)
102,612 281 102 D C

### NYC-Long Island

WB2AMU
180,880 358 140 A A
WB2BXO 159,294 373 139 A B
KZ2G 45,696 164 84 A B
KA2TGI/N 21,948 212 62 A B
AG3G 21,692 244 58 A B
W2HLI 213,256 437 122 A C
NY6DX 88,000 400 110 B A
KS2G 269,276 1142 118 B B
WA2CNV 194,956 799 122 B B
WB2KHO 159,512 628 127 B B
WB2ZTH 111,132 441 126 B B
NI2P 65,424 348 94 B B
KC2FYJ 60,552 348 87 B B
WA2OJK 41,500 250 83 B B
K2TGW 32,550 217 75 B B
N2LEB 17,664 138 64 B B
KF2XF 16,166 137 59 B B
K2DUX 13,860 105 66 B B
NY2M 9,682 103 47 B B
KB2HAN 4,590 51 45 B B
KA6WBQ 2,352 49 24 B B
W2BZH 10,486 107 49 B C
WO2N 232,288 488 119 C A
WA2VZ 281,316 589 119 C B
KA2D 191,632 406 118 C B
WB2ART 103,488 294 88 C B
N2NI 101,160 284 90 C B
WW2G 23,580 130 45 C B
WB2DLA 21,168 98 54 C B
N2GC 538,112 1051 128 C C
N1XL (+K2GH)
382,416 798 186 D B
K2QMF (+packet)
110,160 269 108 D B
WB2JSM 30,464 218 68 D B
N2UN (+N8UM)
578,934 912 213 D C

### Northern New Jersey

N2NH 179,690 426 151 A A
NA2U 1,189,524 1498 238 A B
K2WA 424,270 731 203 A B
NO2T 117,856 263 116 A B
WA2LXE 76,908 325 102 A B
N2LK 62,116 177 113 A B
K2YLH 61,938 246 93 A B
KO2OK 61,846 287 107 A B
NA2AA 421,414 647 217 A C
W2LE 99,840 247 104 A C
N2NHN 112,860 513 110 B A
KD2UF 109,868 454 121 B A
NO2EL 110,946 451 123 B B
WT2S 53,934 303 89 B B
WI2W 53,508 294 91 B B
K2ZB 50,964 274 93 B B
K2AMI 27,720 198 70 B B
N2OPJ 10,208 116 44 B B
KA2NJP 6,880 86 40 B B
WA2QHL 3,888 54 36 B B
KC2GDQ 3,782 61 31 B B
AB2FA 2,112 33 32 B B
WA2BKN 320 20 8 B B
N2EOC 434,826 1479 147 B C
KF2TI 62,328 318 98 B C
N2CFD 28,656 199 72 B C
K2JT 40,080 167 60 C A
W2TO 16,472 70 58 C A
N2NO 11,232 72 39 C A
W2JEK 6,960 58 30 C A
W2BVH 2,880 36 20 C A
W2CVW 156,384 362 108 C B
N2KJM 115,388 317 91 C B
WK2M 13,320 74 45 C B
WA2VYA 564,984 1060 133 C C
N2ED (+packet)
446,182 683 187 D B
N2NT (N2NC,W2RQ)
2,316,328 2903 266 D C
AB2BK (+W2PKJ,KC2FQZ)
713,996 1145 206 D C
AB2DE (+packet)
599,500 1079 218 D C
K2BM (+packet)
408,300 694 150 D C

### Northern New York

N2JNZ 8,464 71 46 A A
NS2P 166,616 706 118 B B
WB2BAU 6,000 100 30 B B
WZ2T 24,000 120 50 C A

### Southern New Jersey

K1JT 295,920 523 180 A B
WA2IAU 19,110 124 65 A B
KE2OI 24,320 190 64 B A
KK2ED 359,452 1231 146 B B
N1IBM 119,712 516 116 B B
W2LEC 28,832 212 68 B B
KD2IN 15,120 135 56 B B
W2RDS 8,910 99 45 B B
N3XOF 5,040 60 42 B B
WB2FXE/T 32 4 4 B B
NQ3N 326,390 1283 127 B C
N2RF 69,452 358 97 B C
N2BHS 112 8 7 B C
N2CQ 119,504 308 97 C A
K2HPV 48,800 199 61 C A
WK2G 458,400 955 120 C B
WA2VQV 135,960 329 103 C B
K2UR 133,952 322 104 C B
K2MK 72,960 228 80 C B
K2PT 34,020 135 63 C B
W5KI 28,272 114 62 C B
W2JSF 16,464 84 49 C B
W2YC (+packet)
677,692 854 241 D
N2XYZ (+logger)
22,750 175 65 D B
N1RK (+packet)
77,292 339 114 D C
N2SCJ (+packet)
34,604 211 82 D C

### Western New York

N2XT 125,580 326 130 A A
WW2P 282,240 545 168 A B
K2CF 154,842 372 131 A B
N2UM 123,216 290 136 A B
K2YEH 72,924 207 118 A B
KM2L 58,158 198 81 A B
KB2EOQ 56,034 224 99 A B
N2PP 1,562,904 2195 252 A C
N2WK 846,176 1150 248 A C
W2FUI 97,552 268 91 A C
K2UA 47,784 186 66 A C
N2DCH 13,442 98 14 A C
KG2AU 216,750 868 125 B B
N2USB 79,664 383 104 B B
N2OPW 65,664 342 96 B B
KB2SGX 27,872 208 67 B B
N2LQQ 24,564 178 69 B B
KF2VX 16,562 169 49 B B
KF2SJ 11,554 109 53 B B
K2QR 6,612 87 38 B B
WA2SRY 5,120 80 32 B B
AF2K 250,728 1011 124 B C
NA2A 172,800 800 108 B C
WR2V 80,850 385 105 B C
K2SM 180,940 415 109 C A
W2TX 220,880 502 110 C B
K2CS 166,920 390 107 C B
WA2EYA 162,408 402 101 C B
K2CDJ 123,968 298 104 C B
KA2MGE 55,112 166 83 C B
NE2T 36,540 145 63 C B
N2CU 670,052 1319 127 C C
W2EZ 132,060 355 93 C C
W2KA (+packet)
280,416 511 184 D B
W2RW (+WB2KAO)
266,484 603 159 D B
W2GO (+packet)
155,064 384 142 D B
WB2DVU (+packet)
3,840 40 24 D B
N2MG (+packet)
171,808 413 104 D C

## 3

### Delaware

W3PP 365,928 633 193 A A
NY3C 312,912 698 159 A B
N8NA 100,880 261 104 A B
N3KW 492,480 1083 190 A C
N3ELK 61,000 244 125 B A
N3WYM 46,008 284 81 B B
AA1K (+AB1P,KB3FEE)
1,992,768 2323 291 D C

### Eastern Pennsylvania

WT3W 288,144 549 174 A A
WA3IIA 172,730 383 115 A B
W3KM 75,900 202 110 A B
K3XR 74,366 290 103 A B
W3SSS 33,210 162 81 A B
KC3LE 3,364 58 29 A B
W3AP 121,040 317 136 A C
K3PP 45,120 200 80 A C
W3MF 5,100 74 30 A C
WC3A 40 5 4 B A
N3KYZ 41,250 275 75 B B
N3RM 31,992 172 93 B B
N3KGC 4,732 91 26 B B
N3EVZ 986 29 17 B B
N3JIX 220 11 10 B B
K3MGT 56,056 308 91 B C
N3RN 54,648 207 66 C A
NE3I 34,224 138 62 C A
W3BGN 405,592 838 121 C B
WB2FFY 161,976 397 102 C B
KC3Q 119,040 310 96 C B
WY3T 112,504 287 98 C B
N3CZB 3,016 29 26 C B
W8IJ 4 1 1 C B
K3SV 776,044 1481 131 C C
AA3TT 746,648 1393 134 C C
AA3B 616,200 1183 130 C C
K3TEJ 589,140 1091 135 C C
K3QIA 172,656 396 109 C C
K3MD 56,640 240 59 C C
K3VA 23,760 110 54 C C
N3RD (+packet)
266,960 461 188 D B
KB3MM (+packet)
80,224 218 92 D B
KS3F (+packet)
1,524,420 2133 270 D C
K3WW (+packet)
1,498,420 1977 245 D C
N3ED (+packet)
921,344 1106 244 D C
K3II (+packet)
604,304 844 211 D C
K3NZ (+packet)
66,312 205 108 D C

### Maryland-DC

W3UJ 489,636 728 203 A B
W3IP 337,902 639 199 A B
WK3I 313,116 498 194 A B
W3DQ 268,800 551 175 A B
K3MLA 174,376 457 142 A B
WB8YYY 118,530 322 135 A B
WD3A 116,688 318 132 A B
W3ERU 24,000 120 50 A B
AC3P 8,360 88 44 A B
W2GG 2,430,912 3367 264 A C
K3ZO 1,918,848 2335 263 A C
K2PLF 1,512,620 1960 265 A C
WX3B 1,314,720 1975 249 A C
N3OC 1,298,742 1806 233 A C
K3NM 728,768 1696 193 A C
N4GG 80,640 238 112 A C
K3MM 40,796 177 62 A C
W3FQE 28,060 131 61 A C
W3OU 15,876 104 63 A C
N3RER 10,250 125 41 B A
K3DNE 152,776 676 113 B B
K3IRV 72,922 361 101 B B
WA3EEE 71,198 367 97 B B
N3FNE 59,630 335 89 B B
KA3TCC 34,720 217 80 B B
N3WIZ 28,860 195 74 B B
N3EYB 26,358 191 69 B B
KB3EOF 9,416 107 44 B B
W3LEO 9,212 98 47 B B
K3CTR 7,392 84 44 B B
K4CGY 350,280 1260 139 B C
N3FX 119,712 516 116 B C
4U1WB (AJ3M,op)
69,888 547 64 B C
K3GV 64,584 351 92 B C
W3SMD 9,672 93 52 B C
K3TW 131,532 339 97 C A
WD3P 7,504 67 28 C A
W3CB 385,560 765 126 C B
KE3VV 318,420 575 183 C B
W3CP 201,600 450 112 C B
W3DAD 25,652 121 53 C B
WN3C 23,760 110 54 C B
N3OA 23,280 97 60 C B
N3HBX 470,184 1781 132 C C
W3GN 431,256 906 119 C C
N3UM 251,196 519 121 C C
W3AZ 149,520 356 105 C C
W3HVQ 11,928 71 42 C C
N3II (+packet)
347,108 528 214 D B
W3FT (N3DUH,N3WD,KB3FOX,
N3JYO,W3VP,W3QYL,AA3SB,
KB1PE,N3ZNU,ops)
170,816 551 136 D B
WB4ZHO (+packet)
159,600 395 114 D B
N3RR (+packet)
1,921,544 2301 284 D C
WR3L (+K3FT,KA3TUL,AA3SC)
1,350,440 1624 245 D C
W3LJ (+K3NCO,W3IDT,K8DH)
394,284 646 206 D C
K3IXD (+packet)
198,770 715 139 D C
W3UL (+packet)
175,696 370 158 D C
K3DI (+packet)
122,094 279 133 D C
N3KTV (+packet)
40,608 216 94 D C

### Western Pennsylvania

K3DE 163,372 1034 158 A B
N3UE 36,792 252 73 A B
WB3DPS 16,530 130 57 A B
WB3EPE 29,808 138 92 A C
WA3GQU 6,512 83 37 A C
WBØIWG 47,700 318 75 B A
WN3VAW 30,400 190 80 B B
N3MBC 12,690 135 47 B B
N3WAV 10,716 114 47 B B
KM3J 10,584 108 49 B C
K3RYA 2,016 56 18 B C
AA3GM 8,528 82 26 C A
WA3SES 362,848 782 116 C B
N3IXR 351,288 697 126 C B
NB4J 81,008 244 83 C B
K3FH 59,072 208 71 C B
K3JHT 7,128 66 27 C B
AD8J 85,320 270 79 C C

## 4

### Alabama

W4DEC 290,550 565 149 A A
WX4I 30,046 115 83 A C
KU4BL 80,520 366 110 B B
WB4WXE 20,640 129 80 B B
K4WXX 8,888 101 44 B B
AG4W 95,612 451 106 B C
KUØC 464,400 900 129 C B
KC3QU 144,708 389 93 C C
K4WI (+KV4T,KS4YT)
1,155,584 1874 256 D C
KK4TE (+KD4TT,KF4LAB)
525,892 1800 146 D C
WA4AL (+packet)
30,780 190 81 D C

### Georgia

K6EID 298,752 551 192 A B
AA4GA 71,928 232 111 A B
K4YJ 68,002 199 121 A B
KF4MHY 23,532 159 74 A B
K4BAI 1,092,200 1300 254 A C
K4FYM 5,394 87 31 A C
KU4HN 6,240 78 40 B A
KT4Q 128,712 519 124 B B
W4LLP 65,340 330 99 B B
WB4SQ 51,870 285 91 B B
WA4TII 437,360 1420 154 B C
W4RA 45,790 241 95 B C
K9AY 276,860 545 127 C A
W4ATL 278,400 580 120 C B
W4AN (W4PA,op)
1,331,712 2177 153 C C
K4SB (+packet)
467,526 711 201 D B
W4KZ (+packet)
2,344,216 2467 287 D C
W4WA (+K4IDX)
582,528 869 246 D C

### Kentucky

KG4BIG 100,570 251 113 A B
K4IU 103,416 294 124 A C
W4LC 100,044 397 126 B B
KB4NPI 96,792 444 109 B B
KN4IV 37,730 245 77 B B
KG4IOT 23,808 186 64 B B
KG4C 22,010 155 71 B B
K4AO 670,208 1232 136 C B
KM4FO 56,848 187 76 C B
N4GN 924,352 1616 143 C C
K4WW (+K4UOL)
207,936 644 144 D B

### North Carolina

N4YDU 661,932 934 227 A B
WB4MSG 157,336 360 142 A B
W4IDX 3,480 39 29 A B
N4ZC (K4ZA,op)
1,742,034 2109 259 A C
N5FPW 50,676 309 82 B A
KG4DZU 2,660 70 19 B A
KU4BP 241,564 922 131 B B
K4TMC 41,064 236 87 B B
K4YYR 26,896 164 82 B B
K4WES 11,904 124 48 B B
N4TL 1,024 32 16 B B
W4WTB 114,450 525 109 B C
W4YDY 32,648 212 77 B C
N4UH 12,650 115 55 B C
K2SST 5,472 72 38 B C
N4MO 564,432 1069 132 C B

WJ9B 369,904 758 122 C B
K3KO 321,408 648 124 C B
WD4IFN 44,240 158 70 C B
KB4ONY/N 32,508 129 63 C B
AE4EC 18,988 99 47 C B
W4ZV 1,433,952 2300 156 C C
N4AF 939,036 1597 147 C C
K8YC (+packet) 8,550 74 57 D B
K4MA (+KI7WX)
1,995,834 2324 289 D C
W3GQ (+packet)
104,340 307 141 D C

### Northern Florida

KB4N 538,200 1007 180 A B
WØEBA 218,672 447 158 A B
WR4K 128,874 294 141 A B
NF4A 108,120 351 85 A B
WB4IHI 41,480 170 61 A B
NN4DF 39,144 159 84 A B
N4EK 290,360 665 170 A C
N4KW 108,300 278 114 A C
W7QF 55,056 217 93 A C
KQ4YY 43,740 270 81 B A
N4OX 418,112 1504 139 B B
K4UCF (KD4RWN,op)
277,704 1102 126 B B
WA4VIY 73,730 365 101 B B
N4LIO 63,874 293 109 B B
KD4EZC 30,912 184 84 B B
KG4BWK 7,400 74 50 B B
KG4ACF 144,072 620 116 B C
W4UEA 41,924 223 94 B C
NO4S 522,288 1054 124 C B
KN4Y 259,200 600 108 C B
W3TMZ 31,040 97 80 C C

### South Carolina

KS4YX 160,650 419 153 A B
AA4V 281,952 525 176 A C
KT4FP 40,228 226 89 B B
W2JJC 437,320 1683 130 B C
AF4OX 479,500 959 125 C B
KØCOP 74,412 239 78 C B
WA8OJR 21,412 101 53 C B
AA4NN 382,592 854 112 C C
W4CGR (+W4OPW)
3,180 53 30 D B

### Southern Florida

NA4CW 491,062 834 187 A A
W4UM 702,572 1369 229 A B
AE4RO 586,576 784 244 A B
W4OV 380,100 652 175 A B
W4/YV5DTA 254,312 453 166 A B
K1PJ 109,668 327 114 A B
N4RP 15,900 81 51 A B
AD4TR 1,126,740 2161 211 A C
AA4HP 623,658 1222 217 A C
W4SAA 505,050 781 195 A C
WB2QLP 390,548 983 163 A C
KS4GW 49,280 308 80 B A
K1EY 100,920 435 116 B B
KK4TA 91,080 506 90 B B
WT5L 69,540 366 95 B B
K4RFK 66,048 344 96 B B
KE4JZT 51,120 284 90 B B
KD4ZKX 25,550 175 73 B B
NJ2F 304,128 1188 128 B C
WA3TIH 95,760 456 105 B C
N8PR 34,170 255 67 B C
W4FMS 168,780 485 87 C A
W4/NP3X 337,484 708 119 C B
WA4RRB 12,996 57 57 C B
N4BP 1,271,808 2209 144 C C
K1PT 1,076,896 1844 146 C C
WB3ANE (+W3AZD)
244,998 1047 117 D C

### Tennessee

W4DAN 133,100 334 121 A B
KØEJ 109,312 299 122 A B
N4USG 48,620 193 85 A B
WD4PTJ/N 44,936 246 82 A B
KI4I 9,360 68 45 A B
KW4JS 3,720 40 30 A B
N4JN 3,220 64 23 A B
K4RO 483,840 818 180 A C
W4RK 185,440 392 152 A C
AG4V 4,524 44 39 A C
W4TD 89,232 429 104 B A
NY4T 211,736 796 133 B B
NQ4U 148,840 610 122 B B
W1ADE 50,490 297 85 B B
KV4DT 27,456 208 66 B B
KS2X 23,400 180 65 B B
KA4LBD 15,120 108 70 B B
WB9BSH 12,204 113 54 B B
KG4CKX 7,482 87 43 B B
W4MEA 3,180 53 30 B B
WA4JA/M 2,484 46 27 B B
KG4GCO 1,386 33 21 B B
K3CQ 50 5 5 B B
KE4OAR 65,824 374 88 B C
N4ZI 668,160 1305 128 C B
NA4K 321,600 670 120 C B
W4TYU 73,440 216 85 C B
W4HZD 55,008 191 72 C B
W4YGE 30,780 135 57 C B
WD4OHD 24,168 114 53 C B
W4AUI 23,484 103 57 C B
N4ZZ 1,114,260 1896 147 C C
W9WI 704,304 1314 134 C C
K4AMC 675,684 1233 137 C C
K4LTA 432,540 801 135 C C
W4NZ 226,800 523 108 C C
N4IR 144,360 401 90 C C
AA3VA 97,000 250 97 C C
W4BSF (W4NPL,WA4WMN,W5EDQ,
ops) 35,096 152 82 D B
W4CAT (K1KY,KC4QFR,KG4ENY,ops)
667,542 1276 213 D C
KB4KC (AAØBA,K4DIT,KB4KA,
N4ZCO,ops)
459,550 1167 175 D C
N4VV (+packet)
434,750 722 185 D C
AA4NU (+N4JN)
387,368 860 164 D C

### Virginia

WA4JUK 319,638 555 167 A B
K4UK 277,550 481 175 A B
NC4S 213,192 476 162 A B
NA4MA 141,750 402 135 A B
WM3T 122,720 321 130 A B
WB4DNL 62,400 207 100 A B
KF4OKG 20,502 150 67 A B
K5VG 1,188 40 18 A B
K3MZ 210 10 7 A B
W4MYA 2,087,784 2566 271 A C
N4ZJ 1,219,180 1986 235 A C
N4MM 521,700 720 235 A C
W2YE 364,560 747 186 A C
K4SO 164,160 488 120 A C
W4IF 63,504 190 84 A C
KC4ATU 5,616 78 36 B A
AD4DG 100,280 460 109 B B
K4PZC 64,800 360 90 B B
N3GMW 40,672 248 82 B B
N4DEN 33,540 195 86 B B
N2VA 23,450 175 67 B B
KG4CGR 19,712 154 64 B B
K1SO 9,996 98 51 B B
WA4FXX 8,480 106 40 B B
WE4V 616 22 14 B B
KG4KCY 307,440 1098 140 B C
K4YT 121,044 462 131 B C
AA4D 12,272 118 52 B C
N4ROA 145,248 356 102 C A
W4YE 321,360 618 130 C B
WA4QDM 228,028 523 109 C B
K4ORD 186,192 431 108 C B
N4PD 122,544 333 92 C B
N4OHE 56,376 162 87 C B
W4VC 40,824 162 63 C B
N3TG 29,380 113 65 C B
W4SNH 27,328 112 61 C B
W3ULS/N 4,928 56 22 C B
WU4G 437,976 867 126 C C
W4AU 278,388 627 111 C C
W4HJ 74,228 241 77 C C
K6ETM 16,200 81 50 C C
KB4OLM (+packet)
341,836 728 187 D B
WK4Y (+packet)
140,220 249 190 D B
K4JA (+W4JVN,K9GY)
2,186,574 2462 291 D C
K1SE (+K4EU,K4ZW)
2,129,930 2368 289 D C
W3IO (+packet)
292,500 585 125 D C
KO4MR (+packet)
55,800 180 155 D C

### West Central Florida

N4IG 794,200 1124 220 A B
WC4E 2,472,804 2986 298 A C
K4LQ 553,020 813 195 A C
K9HUY 244,512 950 108 A C
N4PK 171,884 886 97 B B
K8FK 58,368 304 96 B B
W4GAC 46,980 270 87 B B
N2EGO 12,200 122 50 B B
W4JN 4,588 62 37 B B
K4XS 1,003,932 3180 158 B C
K1TO 1,094,616 1984 138 C B
WD4AHZ 745,740 1381 135 C B
K4OJ 905,960 1595 142 C C
K5KG 694,792 1306 133 C C
N4DL (+packet)
578,860 989 206 D B
K4FB (+packet)
252,852 1108 114 D B
N4TO (+packet)
1,816,920 2446 252 D C

## 5

### Arkansas

KG5RM 388,332 886 161 A B
W5RL 73,600 300 80 A C
KB5EKX 78,684 474 83 B B
W5YM (AC5RR,op)
373,968 1485 126 B C
K5LG 620,312 1166 133 C C
W5HUQ 260,348 671 97 C C
K5GO (K5ALU,KM5G,N5DX)
1,849,752 2073 276 D C

### Louisiana

N8OO 1,915,812 2553 243 A C
W5WMU 1,595,632 2231 248 A C
AA5FJ 291,868 1114 131 B B

### Mississippi

AC5SU 196,416 527 124 A B
W5KK 54,988 214 118 A B
KB5IXI 19,024 138 58 A B
W5XX 1,157,216 1664 232 A C
N3AWS 14,592 192 38 B A
K2FF 2,496 48 26 B A
N5KGY 133,994 563 119 B B
KD5CKP 40,000 250 80 B B
KJ5RC 7,380 90 41 B B
KE5K 177,408 704 126 B C
K5MDX (+WQ5L,W5UE,YY5OIA,N5FG)
1,550,848 2021 233 D C

### New Mexico

KD5JAA 27,170 136 65 A B
NA5S 216,840 372 195 A C
KC5LFV 25,080 209 60 B A
W5GZ 86,940 414 105 B B
KE5BL 81,508 574 71 B B
K5AM 278,200 650 107 C A
W5YZ 322,848 684 118 C B
N5UL 146,680 386 95 C B
N7DF 923,020 1736 133 C C
K7UP 689,248 1446 119 C C
KK5OV (+KB5ZSK)
39,600 214 75 D B

### North Texas

WA8ZBT 211,344 625 119 A A
WD5K 1,004,850 1497 231 A B
K5ZO 774,480 1178 210 A B
W5CWQ 250,264 530 164 A B
WK5K 165,496 395 137 A B
N1CC 123,600 385 120 A B
K5CEM 32,430 165 69 A B
N5JR 864,892 1327 238 A C
N5JL 65,570 415 79 B B
N5YXO 24,080 215 56 B B
KC5OZT 1,190 35 17 B B
N5TY 94,620 498 95 B C
W5FO 22,428 178 63 B C
KB5KYO 56,232 198 71 C A
K5RX 45,008 194 58 C A
W5RYA 42,120 195 54 C A
K4NR 40,000 200 50 C A
WQ5W 711,808 1328 134 C B
KE5C 461,616 979 118 C B
W4YOK 126,360 351 90 C B
W5EIJ 46,248 141 82 C B
N5CHA 42,504 160 66 C B
W3DYA 15,200 100 38 C B
N5PO 501,696 937 134 C C
N5RG 82,336 248 83 C C
N8SM 72,960 228 80 C C
N5YA (WXØB,N5UM,ops)
2,233,246 2579 293 D C

### Oklahoma

W5ZT 9,202 104 43 A B
N5OHL 91,800 400 100 A C
W5OSU 155,324 754 103 B B
KD5DLL 48,594 273 89 B B
N5ZQ 10,512 146 36 B B
WA9AFM/5 10,010 143 35 B B
KB5BOB 377,856 1476 128 B C
N5RXF 106,856 703 76 B C
N5WL 20,880 174 30 C A
W5TM (W5AO,op)
796,960 1465 136 C B
K5KA 492,000 984 125 C B
KØCIE 49,386 233 53 C B
N5NA 405,600 845 120 C C

### South Texas

N5XT 229,090 464 155 A B
KØGEO 163,476 490 114 A B
K5VN 29,394 213 69 A B
KF5ND 12,460 96 35 A B
K5XR (W5ASP,op)
1,167,696 1764 216 A C
K5NZ 976,048 1403 212 A C
N5WU 9,944 113 44 B A
WD5FGZ 5,880 84 35 B A
N5XD 241,098 843 143 B B
WA5IYX 83,664 498 84 B B
KK5MI 66,468 382 87 B B
KI5DR 52,700 310 85 B B
N5AFV 47,112 302 78 B B
WBØYEA 43,240 235 92 B B
KC5QIG 28,564 194 74 B B
KN5Z 25,498 209 61 B B
KD5EUV 2,400 50 24 B B
W5PR 1,035,702 3177 163 B C
K5TR 955,638 3123 153 B C
W5UFA 73,710 351 105 B C
N5DD 46,280 260 89 B C
AC5ZS 7,380 90 41 B C
KG5U 402,144 852 118 C A
N5TW 169,320 498 85 C A
WØOY (N6ZZ,op)
327,228 737 111 C B
AF5Z 254,016 588 108 C B
AC5AA 145,200 363 100 C B
NO5W 100,500 335 75 C B
N5AF 4,032 42 24 C B
AD5Q 961,848 1648 146 C C
K5PI 927,360 1680 138 C C
W5BBR 18,144 81 56 C C
NX5M (+N5XJ,KB5ZFO,K1OJ)
2,433,380 3055 289 D C
W5SB (+W5IDX,KK5LD)
757,530 1861 171 D C
K5IUA (+packet)
287,956 483 193 D C
N5MT (+packet)
259,740 608 185 D C

### West Texas

N5RZ 576,268 1361 154 A C
N5ZC 19,992 196 51 B B
KE5OG 197,964 1053 94 B C
N5DO 684,472 1277 134 C B
NZ5M 20,664 123 42 C B
WB5QLR 10,752 192 56 C B

## 6

### East Bay

W6GKF 481,584 901 158 A B
KG6HM 39,026 156 79 A B
K6LW 92,916 534 87 B B
K6BIR 25,878 227 57 B B
KE6QR 21,632 169 64 B B
KS6Q 12,314 131 47 B B
KQ6TW 2,064 43 24 B B
KF5UVB 1,610 35 23 B B
W6GPM 140,012 493 71 C B
K6SRZ 49,044 183 67 C B
KI6OY 13,968 95 36 C B

### Los Angeles

NK6A 30,228 131 66 A A
K6RO 938,956 1665 191 A B
WO6M 315,700 626 154 A B
W3SE 282,336 521 173 A B
K6LA 1,460,800 2365 220 A C
W6KC 177,038 489 127 A C
N6OU 128,772 343 126 A C
N6IFR 149,460 795 94 B B
K6ZCL 115,056 473 102 B B
KE6FCT 102,720 480 107 B B
WB6NFO 74,646 377 99 B B
N6UB 30,498 221 69 B B
AD6SC 13,038 123 53 B B
K6ASK 9,600 100 48 B B
KQ6EE 6,264 87 36 B B
AD6AF 748 22 17 B B
WA6HXF 176 11 8 B B
N6OPR 116,928 522 112 B C
KU6T 46,492 196 59 C A
WA7BNM 218,120 665 82 C B
N6GL 129,792 416 78 C B
WA6BOB 62,176 232 67 C B
K6NT 2,432 32 19 C B
K6SE 275,328 718 96 C C
W6AM (N6IC,KO6I,WA9AWX,N6FH,
W6VX,KJ6Y,ops)
44,352 352 63 D B
W6YRA (WA6AYI, K6LDO,ops)
203,346 506 143 D B
K6BUM (+packet)
157,728 846 93 D C

### Orange

K6EY 140,346 370 113 A B
WA6GFR 56,454 208 97 A B
W6QZ 4,992 156 32 A B
K6NR 117,292 309 118 A C
W6ISO 2,880 36 20 A C
WK6I 44,380 317 70 B A
KE6WOX 9,828 126 39 B A
W6SA 38,808 294 66 B B
K6ACZ 35,432 206 86 B B
KA6GMA 16,430 155 53 B B
KE6GFI 874 23 19 B B
WW6O 182,484 822 111 B C
KF6XA 26,910 195 69 B C
K6HRT 63,248 236 67 C A
W6KK 225,080 662 85 C B
AC6VN 138,016 454 76 C B
WDØAVV 87,300 291 75 C B
KH6DX/M 16,188 71 57 C B
W6EEN (N6RT,op)
1,049,472 1822 144 C C
N6QS 90,480 290 78 C C
W6IER (KR6ER, W6LKI, KG6ECQ,
K6EY, WB6MJQ,ops)
79,456 255 104 D C

### Santa Barbara

WA6FGV 297,838 630 137 A A
WF6D 2,580 43 30 B A
N6ZE 33,396 242 69 B B
W6NS 17,664 138 64 B B
N6NL 7,448 98 38 B B
KB6VME 1,080 30 18 B B
W6WQC 41,976 157 66 C A
W6TK 313,116 807 97 C C

### Santa Clara Valley

K6XX 365,944 722 149 A A
KG6ECI 43,680 167 78 A A
N6EM 355,740 697 165 A B
W1SRD 254,286 545 153 A B
NU6P 140,712 538 66 A B
N6IV 47,424 194 76 A B
K6ENT 6,840 95 36 A B
N6DE 1,127,910 1999 205 A C
K6RB 899,460 1726 171 A C
K6GT 246,432 644 136 A C
WB7ODY 28,140 195 67 A C
AD6RY 2,288 44 26 B A
NT6S 51,192 324 79 B B
KC6PJK 25,344 198 64 B B
N2ALE 13,140 146 45 B B
K6IF 714,168 2835 126 B C
KF6A 197,820 942 105 B C
W4NJK 19,504 105 46 C A
WD6DX 125,388 387 81 C B
W9MAK 51,240 209 61 C B
W6LSN 5,984 44 34 C B
N6ZB 427,248 989 108 C C
AD6E 213,120 592 90 C C
KF6UTE (+N6ROB)
32,736 264 62 D B
W6YX (W6LD,N7MH,KE6FZF,ops)
2,002,932 2791 246 D C
W6OAT (+packet)
16,368 93 44 D C

### San Diego

WN6K 610,450 1396 145 A B
N6VH 122,264 354 124 A B
NE6O 15,544 98 58 A B
K7JJ 314,986 604 149 A C
W6CN 53,544 291 92 B A
W6QU (W8QZA,op)
43,890 285 77 B A
KD6QK 96,824 637 76 B C
AK6R 58,424 218 67 C B
AA6EE 33,824 151 56 C B
K6KT (+packet)
119,190 256 137 D C
K6HAI (WB6LLO,KA6UCD,W6SDW,
W6REW,W6JXA,KK6YK,W7JBC,ops)
74,778 312 103 D B

### San Francisco

N6ZFO 295,668 676 129 A B
KC6AWX 196,800 1025 96 B B
W6ESJ 34,040 230 74 B B
AD6G 76,112 268 71 C B
AA6DX 55,040 215 64 C B
KQ6NN 25,584 123 52 C B
K6CTA 28,000 125 56 C C

### San Joaquin Valley

N6MU 884,510 1336 215 A A
NT6K 594,186 1139 167 A B
NI6G 528,294 1009 169 A B
K6CSL 86,400 263 188 A B
KA6BIM 978,670 1836 217 A C
KS6H 733,460 1715 182 A C
N6IIU 50,184 306 82 B B
KI6PG 3,100 50 31 B B
W6FRH 144,072 828 87 B C
AK7G 66,456 234 71 C B
KN6YD 24,480 100 60 C B
W6TE (+WA6LUT)
256,742 1271 101 D C

### Sacramento Valley

W6NK 106,908 366 118 A B
K6DGW 26,352 117 61 A B
N6JM 11,856 77 52 A B
KI6T 306,680 594 170 A C
WR6WR 52,404 397 66 B A
AB6GS 237,286 997 119 B B
KC6SEH 110,720 691 80 B B
N6TL 14,168 161 44 B B
KE6OUA 6,264 87 36 B B
K3EST 743,204 2926 127 B C
KI6CG 395,524 1622 122 B C
KA6WHA 116,032 784 74 B C
K6KO 72,030 343 105 B C
K1ES 165,600 460 90 C B
K6LRN 115,536 348 83 C B
K6FO 103,488 309 84 C B
WT6P 86,832 324 67 C B
K6KYJ 79,300 305 65 C B
K6ME 69,580 245 71 C B
W6RKC 37,620 165 57 C B
K6KM (K2KW,op)
891,280 1715 130 C C
W6QD 489,192 1122 109 C C
W6IXP 231,660 852 117 C C
K6TA 38,880 180 54 C C
W6UT (+packet)
868,608 1303 208 D B
K6SG (+packet)
152,768 394 112 D B
N6IG (+packet)
2,070,774 2698 261 D C
N6ZS (+packet)
1,406,720 2324 224 D C
K6NO (+packet)
726,382 1741 179 D C

## 7

### Arizona

K7TR 172,860 554 129 A B
N7JXS 169,488 405 132 A C
W7USA 167,124 733 114 B B
KJ7IV 118,296 636 93 B B
K7YAK 86,240 490 88 B B
WA7VHF/T
936 26 18 B B
K6LL 758,608 2789 136 B C
W7WW 530,400 2040 130 B C
W7ZR 529,920 2304 115 B C
WX7P 179,712 865 104 B C
K7RE 128,960 403 80 C A
KU7Y 34,892 141 61 C A
W7ZMD 26,352 122 54 C A
N7IR 4,872 42 29 C A
KJ7WY 197,960 502 98 C B
W2HTX 44,020 154 71 C B
N7KU 1,002,520 1765 142 C C
KC7V 866,976 1643 132 C C
KN5H 522,976 1108 118 C C
W7YS 387,780 841 115 C C
W7IBM (N7DZ,NØADI,K7NX,K7DRT,
KF7SI,N7OJT,WR7A,ops)
625,296 1488 168 D C

### Eastern Washington

W9LT 607,680 1282 160 A B
KC7WUE 13,520 102 52 A B
W7LGG 93,688 250 98 A C
WS7V 140,160 730 96 B B
N7BES 257,040 1512 85 B C
W7AV (+N7EY)
197,500 433 158 D C
K7JAR (N7CKJ,AB7IZ,N7YRT,ops)
62,906 443 71 D C

### Idaho

W7ZRC 185,844 612 102 A B
KØIP 255,552 958 132 A C
K7ZO 213,444 1078 99 B C
K7FR 4,600 50 23 C A
KA7T 240,688 613 98 C B
WO7Y 223,040 656 85 C B
KK7A (+packet)
35,168 157 56 D B

### Montana

KK7UV 133,980 433 110 A B
KS7T 317,370 645 149 A C
W7BMI 4,212 78 27 B B
WB7CWB 85,778 557 77 B C
AC7GM 1,216 18 16 C A
KE7NO 91,476 295 77 C B
K7BG 738,680 1565 118 C C
K7ABV (+packet)
62,952 245 86 D B
WT6G (+packet)
1,606,706 2384 227 D C
W7ED (+packet)
495,884 1498 151 D C
AB7RS (+K7ETT)
189,924 969 98 D C

### Nevada

W3IBW 16,320 160 51 B B
W7EB 424,710 1815 117 B C
N7ZT 213,248 1088 98 B C
N7PU 132,048 393 84 C B
N7ON 49,200 205 60 C B
K7NV 708,064 1528 116 C C
K5RC (+packet)
1,193,750 2041 191 D C

### Oregon

KI7Y 568,424 996 164 A B
N7VS 38,690 219 53 A B
KC7ZFP 11,772 218 54 A B
K7MI 1,320,894 2599 183 A C
K7ZZ 1,045,280 1973 188 A C
KØJJ 330,096 841 156 A C
WA7ND 211,876 1014 98 A C
KD7IEB 16,576 148 56 B A
N7EMC 30,940 221 70 B B
W7ZB 145,926 737 99 B C
KK7CG 7,740 86 45 B C
KD7CTF 7,068 57 31 C A
N7OU 516,120 1259 102 C B
N7YW 271,440 754 90 C B
AA7IH 29,480 134 55 C B
N7TL 28,600 130 55 C B
KC7VWT (+AA7LE)
98,100 320 109 D B
W7BX (+JG7AMD)
94,600 346 100 D B
KB7VLC (+KC7HTS)
20,972 214 49 D B
W7NYW (KD7IEB,KK7OF,N7CMH,
N7DLH,KD7GXF,KD7GHR,ops)
15,210 169 45 D B
W7GG (+K7ZUM, N7LF)
1,366,596 2638 203 D C
W7NX (+N7EAT,K7EW)
859,118 1491 191 D C
K7UQT (+W7OT)
310,440 720 156 D C
KB7RTA (+K3DUW,KK7NJ)
286,340 1390 103 D C

### Utah

AC7CF 22,400 135 56 A A
W7TU (W8EQA,op)
367,392 653 178 A B
KO7X 244,134 610 137 A C
N7LYV 41,184 286 72 B B
N7RXE 33,320 238 70 B B
K1IF 226,362 1217 93 B C
N7XJ 47,616 186 64 C A
KD7BOD 6,720 70 24 C A
W7CT 522,240 1088 120 C B
W7HS 157,320 411 95 C B
W7GT 22,704 129 44 C B
AK7O 23,944 146 41 C C

### Western Washington

W7CD 109,242 286 119 A A
N7LOX 947,968 1738 184 A B
W7QN 345,060 723 142 A B
KB7PKC 95,906 607 79 A B
K1LOG 75,276 232 102 A B
NA7R 23,210 125 55 A B
W7AKR 13,932 102 54 A B
AA7VT 9,328 91 44 A B
KC7ZEP 50,086 317 79 B B
KI7XA 36,300 242 75 B B
KG7P 24,564 178 69 B B

KC7WDL 21,200 201 53 B B
KD7HNS 16,124 139 58 B B
KB5QBX 8,256 96 43 B B
AC7IF 4,030 65 31 B B
K7RI 738,948 3239 114 B C
N7QNO 43,956 333 66 B C
K7ED (WAØRJY,op)
262,200 691 95 C A
W7/JR1NKN 170,100 525 81 C A
KH7YD 111,600 370 75 C A
N7WA 301,728 899 84 C B
AD7U 279,188 768 91 C B
AB7RW 211,904 603 88 C B
KD7GTI 152,280 423 90 C B
W7EAI 80,340 309 65 C B
N7XY 43,148 160 67 C B
K7QQ 788,184 1603 123 C C
N4SL 497,056 1268 98 C C
W7OM 192,600 535 90 C C
N7ETC 184,184 594 77 C C
W7QC 161,920 507 80 C C
W7PE (+KJ7OY,KB7YCJ)
68,904 396 87 D B
K7PN (+K7NT)
1,143,200 2054 200 D C
N7KE (@W7VP) (+KB7N,N6NR,
N9KAH,W7HQJ,KD7GIM, NW7DX,
AC2K,W7QC,N7SBR,W7/YO3GJC)
1,027,936 1831 182 D C
KB7N (+N7VMV)
628,184 1122 149 D C
N7PP (+N7DOE,WG7X,W7BUN)
403,180 2122 95 D C

### Wyoming

WG7Y 200,216 834 116 A B
N7JT 9,030 105 43 B A
KD7RX 12,516 149 42 B B
NC7O 13,104 84 39 C A
WC7S 178,464 507 88 C B

## 8

### Michigan

K8CV 24,064 129 47 A A
WD8S 346,608 745 166 A B
K8GT 262,242 525 153 A B
K8AAX 99,120 273 105 A B
WB8RFB 97,416 316 99 A B
KC8MPQ 43,860 194 86 A B
WA8OLD 13,158 87 43 A B
KD8DX 4,428 54 27 A B
ND5S 882,114 1147 237 A C
N8KIE 73,200 366 100 B B
KF8JA 35,420 253 70 B B
KD8LU 25,120 157 80 B B
K8ESQ 8,364 102 41 B B
K8WUZ 4,774 77 31 B B
KE8FO 4,690 67 35 B B
KC8IJZ 3,024 54 28 B B
N8WTH 1,900 50 19 B B
WA8YLZ 1,540 35 22 B B
WA8AEN 1,280 32 20 B B
K8CC (N8NX,op)
640,920 2180 147 B C
AA4R 335,610 1243 135 B C
AB8DF 7,200 58 30 C A
W8MJ 307,860 733 105 C B
K8IR 244,296 522 117 C B
K8SIA 157,080 374 105 C B
W8RU 124,656 318 98 C B
K8KU 68,800 215 80 C B
KB8PGW 15,756 101 39 C B
KT8X 38,080 170 56 C C
W8XC 1,288 23 14 C C
AA8TC (+packet)
52,224 137 128 D B
KC8ELY (N8NJE,N8ESW,N8MMF,ops)
18,200 175 52 D B

### Ohio

WA8RCN
405,594 693 189 A A
N8XA 43,776 220 96 A A
KG8DH 263,022 506 177 A B
K8BL 248,540 449 170 A B
WB8RTJ 222,140 442 145 A B
NC8V 208,208 438 154 A B
K8AB 193,192 411 164 A B
W8IDM 62,016 208 96 A B
N8WS 54,984 195 79 A B
AF8C 34,736 167 52 A B
K8LN 26,230 115 61 A B
NS8O 12,986 78 43 A B
K8MR 6,636 55 42 A B
N8MFS 2,392 50 23 A B
K8CX 588,088 898 212 A C
K8KR 152,558 524 119 A C
KB8FZY 4,563 117 39 A C
N8MWK 68,704 304 113 B A
ND8DX 306,240 1160 132 B B
N8GZE 151,200 630 120 B B
W8DD 126,720 529 120 B B
WT8E 93,366 399 117 B B
AK8B 78,020 415 94 B B
W8KNQ 60,102 371 81 B B
KB8UUZ 59,664 339 88 B B
N8KM 59,332 326 91 B B
W8TTS 41,832 252 83 B B
N8XWO 41,664 248 84 B B
KC8UR 23,998 169 71 B B
WJ8C 23,100 175 66 B B
KB8VJL 22,490 173 65 B B
K8VUS 14,308 146 49 B B
K1DRW 11,058 97 57 B B
KC8HWV 3,080 55 28 B B
KB8LNP 2,496 48 26 B B
KA8JXG 980 35 14 B B
W8KEN 172,546 713 121 B C
W8PG 30,030 195 77 B C
WB8IEA 24,344 179 68 B C
W8VE 93,280 265 88 C A
K8AJS 330,720 689 120 C B
W8PN 121,680 338 90 C B
W8GOC 62,208 192 81 C B
WT8P 59,200 200 74 C B
N8XP 50,160 165 76 C B
W8DHG 42,120 162 65 C B
W8WTS 4,888 47 26 C B
N8DCJ 927,964 1670 139 C C
W8AV 857,888 1577 136 C C
N8BJQ 800,240 1429 140 C C
W8CAR 654,192 1239 132 C C
KU8E 266,112 594 112 C C
W8MHV 19,968 102 64 C C
N8NR (+N9AG)
1,551,240 1857 278 D C
K8ND (+packet)
764,168 1091 236 D C
K5ZG (+packet)
577,808 1078 134 D C

### West Virginia

K5IID 591,408 883 216 A B
KC8FS 253,368 492 162 A B
K8MN 1,205,936 1631 232 A C
K2UOP 1,066,720 1507 236 A C
N4ZR 126,126 328 99 A C
NØNGT 20,400 170 60 B B
KV3R 347,432 1268 137 B C
N4SEA 141,608 571 124 B C
WA8WV 199,800 450 111 C A
K8OWL 38,304 168 57 C A
W8WEJ 21,840 105 52 C A
W8OP 119,988 303 99 C B
W8ZA (+packet)
892,700 1317 226 D C

## 9

### Illinois

NW9S 17,150 109 49 A A
KG9X 1,327,104 1649 256 A B
N9IJ 387,840 680 160 A B
N9JF 348,798 595 183 A B
N9NU 305,216 886 152 A B
W9IL 303,668 559 178 A B
K9JE 296,840 605 181 A B
WX9U 280,540 496 166 A B
N9GH 198,936 409 162 A B
KX9DX 179,480 501 140 A B
AK9Y 149,340 388 131 A B
KU9Z 135,450 368 129 A B
N9GUN 127,368 344 122 A B
K9JLS 102,460 466 109 A B
K9KM 65,052 210 78 A B
N9KHR 61,918 249 83 A B
WA9FIH 51,504 192 87 A B
N9IO 49,484 257 89 A B
N9MSG 46,184 171 92 A B
N9REP 39,328 215 68 A B
AK9F 22,400 125 56 A B
KD9XP 22,110 158 67 A B
WO9LF 18,144 128 56 A B
KR9L (N9JF,op)
16,100 101 50 A B
AD4OS 12,800 87 40 A B
KG9PQ 9,200 71 40 A B
WK9O 8,928 65 36 A B
W9LYA 6,696 70 36 A B
K9XD (K9PG,op)
1,646,054 2202 271 A C
NA9D 534,674 1360 181 A C
N9QQK 261,616 527 166 A C
K9SD 211,012 594 142 A C
KB9CRY 162,540 481 135 A C
K9RR 160,320 321 167 A C
W9SMC 57,602 296 83 A C
W9OA 53,856 204 66 A C
K9LU 23,184 107 69 A C
W9HL 25,986 213 61 B A
KD9ST 112,400 562 100 B B
N9LYE 65,946 379 87 B B
WA9CCQ 48,384 288 84 B B
N9VKE 45,708 293 78 B B
KD9AC 43,680 240 91 B B
N9KUT 42,720 267 80 B B
NW9V 38,948 214 91 B B
W9YS 37,284 239 78 B B
W9LYN 34,944 224 78 B B
W9CEO 34,656 228 76 B B
KF9US 30,954 201 77 B B
W9JJT 30,192 204 74 B B
W9FGH 28,152 204 69 B B
N9LZ 24,054 211 57 B B
WA9RIJ 18,258 179 51 B B
WB9WOZ 17,820 162 55 B B
KB9CYL 17,600 160 55 B B
N9FWM 16,800 150 56 B B
N9XBG 14,190 129 55 B B
N9TUQ 13,248 138 48 B B
KG9JP 12,900 129 50 B B
N9MBR 8,232 98 42 B B
W9CEJ 4,992 78 32 B B
N9ALC 4,950 75 33 B B
KB9WFC 3,360 70 24 B B
WD9HSH 2,944 64 23 B B
KB9NGI 2,856 68 21 B B
W9LNQ 2,700 50 27 B B
WA9LKZ 2,420 55 22 B B
W9AVB 1,260 30 21 B B
N9EYF 1,156 34 17 B B
WA9SOV 858 33 13 B B
N9BT 816 24 17 B B
WD9CIR 720 30 12 B B
NG9R 288 18 8 B B
KA9ZIM 220 11 10 B B
WN9GUC 132 11 6 B B
WO9S 108 18 3 B B
WB9Z 763,464 2448 156 B C
N2BJ 697,774 2168 161 B C
N9LCR 169,212 717 118 B C
KK9A 18,576 172 54 B C
W9ICU 5,168 68 38 B C
N9UC (WO9S,op)
213,796 473 113 C A
KA9NZI 10,488 57 46 C A
K9WA 280,112 574 122 C B
K9ZO 137,600 344 100 C B
NV8V 70,470 405 87 C B
K9KJ 2,720 40 17 C B
W9AX 1,456 28 13 C B
K9BGL 749,664 1368 137 C C
W9OF 575,460 1035 139 C C
W9YYG 415,000 830 125 C C
K9CS 348,348 554 182 C C
N9CO 237,620 545 109 C C
K9UQN 229,680 494 116 C C
K9NU 181,650 433 105 C C
AA9NF 27,456 132 52 C C
KG9N (+packet)
213,360 515 140 D B
AE9D (+packet)
19,256 128 58 D B
K9NS (K9HMB,K9PW,K9QVB,
KS9W,N9EP,ops)
2,813,658 3277 303 D C
KI9A (+WE9A)
1,479,744 1703 288 D C

### Indiana

W9UR 67,368 250 84 A A
KJ9C 803,292 1050 219 A B
W9AU 639,804 945 222 A B
N4TZ 489,834 779 193 A B
KC9FC 104,400 297 120 A B
K9WX 86,330 271 97 A B
KC9TV 83,136 229 96 A B
K9MI 51,824 269 79 A B
WB9ZEZ 35,708 129 79 A B
N9PW 33,370 133 71 A B
WAØJTL 19,012 129 49 A B
K9NW 2,049,822 2523 263 A C
KE9I 489,402 889 171 A C
W9BS 400,548 867 174 A C
K9RU 188,352 458 144 A C
K9XV 24,310 141 65 A C
N9NGG 111,904 538 104 B B
WA1MKE 91,592 428 107 B B
N9LF 48,848 284 86 B B
N9RLA 30,636 207 74 B B
KG9HG 3,538 61 29 B B
K9EA 1,920 40 24 B B
W9RE 907,200 2800 162 B C
W9HP 195,024 717 136 B C
KC9OP 98,670 427 115 B C
WD9ATU 18,150 165 55 B C
N9DR 8,200 100 41 B C
K8JP 114,460 295 97 C A
K9DIY 2,964 39 19 C A
K9BG 401,448 778 129 C B
WT9U 4,144 37 28 C B
K9IG 147,392 376 98 C C
K9JWI 95,632 278 86 C C
N9SE (+N9XLV)
138,054 314 173 D B
K8LEE (+WD8SDL,WA8JOC)
1,399,592 1793 274 D C
W9IU (+packet)
738,300 1171 214 D C
AE9YL (+packet)
63,856 307 104 D C

### Wisconsin

W9OP 775,072 1113 212 A B
N9UA 189,336 418 138 A B
K9KR 156,728 413 143 A B
N9AU 110,062 285 113 A B
W9XT 1,491,456 1973 256 A C
N9CK 915,136 1324 181 A C
WT9Q 23,920 117 52 A C
N9PQU 219,456 864 127 B B
KB9JIF 77,224 394 98 B B
N9NUN 72,800 400 91 B B
WB9PUB 58,996 343 86 B B
KB9LIE 51,040 290 88 B B
N9ESC 21,112 182 58 B B
K9WTF 15,980 170 47 B B
KA9JBD 5,994 81 37 B B
KB9VSG 3,456 96 18 B B
WE9V 371,606 1213 149 B C
K9AP 20,984 172 61 B C
K9RSW 12,432 111 56 B C
W9LO 40,584 178 57 C A
KB9S 611,520 1092 140 C B
K9QC 289,080 657 110 C B
KØSN 204,764 497 103 C B
WA1UJU 198,800 497 100 C B
N9CIQ 174,648 383 114 C B
W9WUU 147,312 372 99 C B
AA9PB 132,076 371 89 C B
N9XX 131,712 336 98 C B
K9DAF 36,240 151 60 C B
KB9UKE 18,988 101 47 C B
WA9GON 16,864 68 62 C B
NE9U 572,352 1084 132 C C
K9MA 495,500 991 125 C C
WA9IRV 66,420 205 81 C C
NF9V 18,360 90 51 C C
N9FH (+KZ9G,N9VA,WB9UAI)
1,459,090 1884 265 D C
KF9YR (+packet)
29,540 163 70 D C

## Ø

### Colorado

ABØCD 8,120 60 35 A A
WØETT 701,276 1159 199 A B
CO8DM 464,932 1021 136 A B
WØCBH 23,904 166 72 A B
KIØII 75,848 499 76 B A
KKØQ 53,820 345 78 B A
KTØDX 350,000 1400 125 B B
KØTIV 92,040 590 78 B B
KF4MDW 16,992 177 48 B B
WØAJ 9,632 112 43 B B
NØLER 2,080 40 26 B B
ABØMG 260 10 13 B B
KGØZI 570,480 2377 120 B C
NØTK 31,648 172 46 C A
K1EQA 21,976 133 41 C A
K5GF 24,804 117 53 C B
NØKV 530,244 1134 117 C C
WØDET (+packet)
413,760 1055 160 D B
NØQJS (+WV7T)
1,624 29 28 D B
KVØQ (+packet)
2,198,560 2728 280 D C
KØDU (KØCL,NØKE,ops)
1,636,880 2135 259 D C
WØAH (+KØRI)
1,347,940 2078 242 D C
AEØQ (+ABØMV)
923,698 1479 193 D C

### Iowa

KCØAYG 5,828 87 31 A A
NØHR 185,188 448 134 A B
NEØP 121,104 332 116 A B
ADØH 20,210 166 47 A B
KØSRL 19,776 141 48 A C
KAØDX 55,100 290 95 B B
NØFCD 31,222 233 67 B B
WBØSNL 25,090 193 65 B B
KBØCWZ 19,716 186 53 B B
NØSPP 15,732 138 57 B B
KØMXL 3,596 62 29 B B
WØETC 436,536 1692 129 B C
KØDAS 127,776 528 121 B C
WØPPF 47,952 296 81 B C
NO9S 2,604 31 21 C A
KEØFT 113,240 298 95 C B
NØAAA 40,200 150 67 C B
KØKAT (+KØCFI)
73,508 391 94 D B

### Kansas

KØWA 478,850 1050 157 A B
KØBJ 345,504 629 177 A B
WBØYJT 143,640 513 126 A B
KBØWPY 100,298 413 97 A B
WØIE/M 12,314 129 47 A B
NØVMW 16,544 176 47 B A
NØJK/M 728 28 13 B A
NØYYO 66,456 426 78 B B
KCØIUW 43,350 287 75 B B
KCØGL 28,158 247 57 B B
KAØEIC 21,670 197 55 B B
KAØRID 12,600 126 50 B B
WAØPSF 6,336 96 33 B B
KCØIDI 396 22 9 B B
KKØSS 528,896 2067 128 B C
NWØL (@WØNKL)
512,532 1857 138 B C
NØUU 235,300 905 130 B C
WØNXS 117,972 339 87 C B
KØRY 94,136 287 82 C B
KGØUA 206,724 483 107 C C
KØGY (+WØTM)
1,461,660 1767 255 D C
WØBR (+NØBTN,NØSZE,WØDEW)
217,512 610 159 D C

### Minnesota

KØPC 234,500 537 125 A A
NØAT 1,040,736 1495 222 A B
KØTT 932,062 1421 227 A B
KØOB 828,240 1349 204 A B
KMØO 796,272 1194 212 A B
NØHJZ 569,972 1244 194 A B
KW4T 437,898 1009 177 A B
KØVH 191,556 485 153 A B
WAØBNX 106,358 275 107 A B
KFØQ 41,676 251 69 A B
KØIR 417,780 897 165 A C
KØAD 392,150 780 155 A C
KTØR 94,842 288 99 A C
KØHB 77,244 291 82 A C
WAØVBW 36,820 263 70 B A
ACØW 344,760 1326 130 B B
KØCOM 84,042 483 87 B B
NØPI 52,360 340 77 B B
KAØDAQ 43,632 303 72 B B
WRØDK 39,884 338 59 B B
KCØIWV (KCØIWW,op)
31,440 262 60 B B
KØBUD 23,790 195 61 B B
KIØRF 15,576 177 44 B B
WAØGNO 14,580 162 45 B B
KCØCJP/T 4,340 62 35 B B
WAØMHJ 56,052 346 81 B C
NØUR 266,832 612 109 C A
NAØN 550,056 1118 123 C B
WØZQ 250,880 560 112 C B
WØPI 154,424 398 97 C B
KIØF 100,368 306 82 C B
KNØV 70,840 230 77 C B
KØSR 704,728 1286 137 C C
KØCAT 234,080 616 95 C C
WØUC (+packet)
157,596 362 138 D B
KØSV (+KCØIRY)
17,820 165 54 D B

### Missouri

KØOU 396,100 716 170 A A
AE9B 675,856 1351 212 A B
KGØUS 593,952 1171 184 A B
KFØK 575,244 1379 171 A B
KØGN 425,542 740 169 A B
KAØGGI 204,594 435 129 A B
WAØIYY 96,512 268 104 A B
WØYZZ 101,430 300 115 A C
KK2G 59,470 313 95 B B
KAØFSP 27,468 218 63 B B
KØDAT 25,344 176 72 B B
NØXR 10,842 139 39 B B
WBØQLU 1,638 39 21 B B
KØDAN 214,758 873 123 B C
KØKY 78,208 416 94 B C
KØBX 30,940 238 65 B C
WØGOM 25,862 193 67 B C
WDØFLJ 6,900 69 25 C A
KØRWL 261,280 568 115 C B
KSØM 76,752 246 78 C B
KIØMB 44,800 200 56 C B
WØJOE 30,780 135 57 C B
N9HDE 11,088 84 33 C B
K2VV 1,278,668 2117 151 C C
WAØSXV (+packet)
64,024 218 106 D C
AAØA (+packet)
37,230 158 85 D C

### North Dakota

K9IUA 3,640 70 26 B A
KØUD 101,388 497 102 B B
NØRDJ 19,656 182 54 B C
KØVX 216,360 601 90 C B
N7IV 203,280 601 84 C B

### Nebraska

KTØK 827,424 1286 204 A B
KØDG 580,216 1390 182 A C
NØWY 137,080 745 92 B B
NØNF 100,472 661 76 B B
NUØC 24,308 206 59 B B
KBØARZ 18,144 162 56 B B
NØLZ 1,440 40 18 B B
WDØHSP 25,900 259 50 B C
WNØL 138,768 354 98 C B
KØIL (+packet) 4,818 52 33 D B
KØDI (+packet)
1,227,996 1634 231 D C

### South Dakota

WØSD (WØDB,op)
1,725,498 2388 257 A C
WBØULX 34,034 187 91 B B
WJØS 10,200 150 34 B B
KDØS (+WDØT,WBØRWH)
1,470,840 2359 238 D C

## VE

### Maritime-Newfoundland

VE1AOE 388,284 1372 131 A B
VE9WH 19,370 128 65 A B
VE9MY 23,944 164 73 B C
VE1OP (+packet)
1,329,240 1688 228 D C

### New Brunswick

VE9DXR 100,734 489 103 B B

### Nova Scotia

VE1JS 248,472 627 153 A B

### Newfoundland-Labrador

VO1WET 797,964 2203 174 A C
VO1MP 1,118,880 1998 140 C C

### Quebec

VE2AWR 416,880 721 180 A B
VE2OWL 137,772 439 129 A B
VA2IC 7,488 104 36 B A
VE2XL 36,450 225 81 B B
VE2LHP 23,180 190 61 B B
VE2OCP 16,200 150 54 B B
VA2FB 394,160 1517 130 B C
VE2FFE 22,464 108 52 C B
VE2ZA 8,844 67 33 C B

### Ontario

VE3KZ 475,610 778 199 A A
VE3ZT 795,408 1046 227 A B
VE3STT 665,916 1029 211 A B
VE3MQW 482,256 784 204 A B
VE3OJN 42,484 247 86 A B
VA3IX 14,892 123 51 A B
VE3BUC 90,800 454 100 B A
VE3SRE 217,750 871 125 B B
VE3VZ 123,384 582 106 B B
VA3SWG 76,032 432 88 B B
VA3GCB 18,096 174 52 B B
VE3TMG 17,278 163 53 B B
VE3XO 440,440 1540 143 B C
VA3TT 238,524 858 139 B C
VA3KA 167,280 820 102 B C
VE3SKX 15,228 141 54 B C
VA3SX 12,144 138 44 B C
VA3RU 247,044 519 119 C A
VA3EU 241,500 525 115 C A
VA3UZ 175,120 398 110 C A
VA3TTT 168,064 403 104 C A
VE3HX 124,740 315 99 C A
VE3VFR 383,952 842 114 C B
VE3KP 346,608 747 116 C B
VE3IAY 172,620 411 105 C B
VA3ZW 140,456 363 97 C B
VE3UKR 8,000 80 25 C B
VE3PN 285,600 600 119 C C
VE3EJ 68,080 230 74 C C
VE3RZ (+packet)
304,880 546 185 D B
VE3HG (+VE3HKC,VA3GGF)
202,566 493 159 D B
VA3NA (+packet)
39,360 138 80 D B
VE3OIL (+VE3NPB,VE3SMA)
378,862 659 187 D C

### Manitoba

VE4MG 91,698 386 87 A B
VE4RA 48,546 261 93 B B
VE4IM 294,272 608 121 C C
VC4X (VE4XT, VE4VV,ops)
863,440 1535 215 D C

### Saskatchewan

VE5SF 763,578 1567 177 A B
VA5DX 580,832 2593 112 B C
VE5BCS 41,268 362 57 B C
VE5UF 580,770 1107 135 C B
VE5GC 261,360 724 90 C B
VE5AAD 198,576 587 84 C B
VE5ZX 696,000 1451 120 C C

### Alberta

VE6ZT 505,720 910 188 A B
VE6TN 18,584 107 46 A B
VE6JY (VE7CC,op)
1,830,168 2915 229 A C
VA6NO 338,216 769 134 A C
VA6RC 120,472 814 74 B B
VA6RA 79,184 708 56 B B
VE6VW 44,304 312 71 B B
VE6FI 409,836 2009 102 B C
VE6YR 55,380 355 78 B C
VE6ZA 52,440 380 69 B C
VE6BF 152,944 480 79 C A
VE6EX 370,576 1007 92 C B
VE6LB 101,640 330 77 C B

### British Columbia

VE7NF 250,824 1493 84 B B
VE7IN 199,894 1123 89 B B
VE7NNN 108,592 617 88 B B
VE7AS 93,184 512 91 B B
VE7FO 51,504 348 74 B B
VA7DX 446,832 2088 107 B C
VE7XO 55,132 358 77 B C
VE7VF 122,112 423 72 C A
VE7XF 286,308 724 99 C B
VE7UF 411,272 1018 101 C C
VE7SCC (+packet)
244,634 1261 97 D C
VA7MAR (VE7EOE,VE7ZBK,VE7EMN,
VE7XDY,ops)
23,870 217 55 D C

### Yukon

VY1MBB 80,376 591 68 B B

### Checklogs:

3ZØWM, 3Z7FBQ, 7S2A, 9A3MA, 9A4W, A45XR, A52UD, AA2OI, CT3KY, CX2AM, CX3CY, DK7AN, DL1DTC, DL1JFM, DL2AXM, DL2OM, DL3NM, DL4FN, DL5DWW, DL5JMN, DL5NA, DL7UGO, DL7VMM, EA1CXY, EA3AKN, EA3BJM, EA4EKH, EA5AJX, EA5VN, EA6TC, EM7Q, EM8I, EU7ZZ, EX2X, F5JBR, F5YVG, G3IGW, HA8FK, HA8JV, HA9SU, HG8W, HL1/KB9GQG, JA5ATN, JR5JAQ, K3CKO, K4UVT, K5EOK, K6FM, K6HNZ, K6III, KA4DON, KBØJSH, KBØUKI, KB3CDF, KC4YOT, KC5RPF, KC7JEF/MM, KE8KT, KF3CV, KU4UN, LA1FW, LA1YE, LA2HFA, LA3JT, LU1ARV, LU6VCD, LU9GDN, LZ1AQ, LZ1HB, LZ1JZ, LZ2A, N2CG, N2LDV, N2PUA, OK1DSU, OK2SPS, ON4CJN, OZ6TL, OZ8SW, PA3GAB, PA3HGF, PA4DO, PA5TT, PY2DBU, PY2NZR, PY2SP, RAØJBL, RA4UAT, RA6AX, RU3DG, RU3WR, RU4HP, RV3QX, RV9CLF, RV9FQ, RW4LQ, RX6LG, RX9FB, SM2SCK, SM5ENX, SM6BWQ, SM7ATL, SP1DMD, SP3CUG, SP4DZT, SP4Z, SP5LKM, SP7DQR, SV/OK1YM, SV2BOH, SV3AQR, SWØDXA, UAØCW, UA3AGW, UA9CLB, UA9JMS, UR7UL, UT1EO, UT7E, UU9JH, UX6F, UZ5M, WØHED, W4NTI, W6FC, W8LKU, WA2BMH, WBØGGM, WB4NRI, YL2GN, YL2GTD, YO3FOM, YO4ATW, YO4BSM, YO4KCC, YO6BZL, YU1OJ