

Number groups after call letters denote following: Band (A = all), Final Score, Number of QSOs, and Prefixes. An asterisk (\*) before a call indicates low power. Certificate winners are listed in boldface. Late logs are listed in *italics*. (Note that country names and groupings reflect the DXCC list at the time of the contest.)

**SINGLE OPERATOR  
NORTH AMERICA**

<b>United States - District 1</b>			
<b>AK1W</b>	<b>A</b>	<b>6,330,405</b>	<b>2559 885</b>
		<i>(OP: K5ZD)</i>	
K1LZ	"	5,860,030	2428 835
		<i>(OP: AC1NU)</i>	
WK1Q	"	3,966,795	1634 771
		<i>(OP: K1MK @K1TTT)</i>	
AE1P	"	1,979,364	1392 587
KE1S	"	1,822,713	1029 573
		<i>(OP: W1AN)</i>	
W1HS	"	943,056	858 432
NG1M	"	912,120	847 440
K2RB	"	840,598	800 418
K1AR	"	669,798	678 381
W1ARY	"	579,852	671 364
K1VW	"	451,647	553 321
K1SM	"	442,890	557 342
K1BZ	"	265,406	381 262
W1GD	"	259,656	310 248
W1TO	"	179,872	292 224
KX1X	"	151,641	310 203
N1KM	"	99,828	216 177
K1RO	"	68,202	206 162
KB1QU	"	32,776	166 136
WV1K	28	1,361,073	1006 591
		<i>(OP: N1XF)</i>	
<b>NW2P</b>	<b>7</b>	<b>4,836</b>	<b>31 31</b>
<b>*KC1RET</b>	<b>A</b>	<b>560,986</b>	<b>643 358</b>
*KW1X	"	436,800	640 336
*WG1V	"	328,042	517 286
*W1DYJ	"	225,944	392 244
*N1MGO	"	220,590	388 258
*K1IU	"	197,036	347 217
*KA2KON	"	189,420	315 220
*AF1R	"	181,440	344 216
*N1DID	"	151,000	274 200
*KA1C	"	150,300	327 225
*WO1N	"	121,410	301 190
*KG1V	"	107,670	251 194
*WA1HXH	"	96,744	207 174
*W1CRB	"	77,922	231 162
*N1DCH	"	52,932	190 132
*K1IG	"	43,554	133 119
*KB1IKD	"	39,431	178 131
*N1RDN	"	21,560	105 98
*N1AAM	"	20,467	130 97
*KC1SA	"	17,472	115 91
*NA1S	"	17,370	101 90
*WA1LAD	"	17,177	98 89
*KC1GDW	"	15,939	99 77
*K1LHO	"	15,873	144 111
*K1DCT	"	12,024	78 72
*WB8IMY	"	9,858	67 62
*WA1N	"	7,140	62 60
*N1AM	"	5,225	60 55
*KQ4Y	"	273	14 13
*WB1AEL	28	73,350	183 163
*NG1R	21	571,824	678 418
		<i>(OP: W1QK)</i>	
<b>*N1GDD</b>	<b>14</b>	<b>22,672</b>	<b>152 109</b>
*WA1YGT	"	204	13 12
<b>United States - District 2</b>			
<b>AA2EQ</b>	<b>A</b>	<b>1,432,229</b>	<b>1185 521</b>
K4RUM	"	1,281,550	991 475
N2WK	"	1,234,455	886 515
W2CG	"	1,078,980	765 490
WA2CP	"	1,055,020	817 428
		<i>(OP: KC2GOW)</i>	
WT2J	"	981,387	842 431
WX2NJ	"	887,880	821 453
		<i>(OP: K2RET)</i>	
NR2C	"	728,700	661 420
K2NV	"	710,208	670 411
AA2GF	"	654,500	690 374
WB2NFL	"	554,040	684 360
KE2D	"	486,105	427 345
KF2TI	"	475,066	554 358
K2QB	"	450,918	528 369
WB2PJH	"	312,995	358 295
WB2NVR	"	277,877	445 269
N2RC	"	215,064	299 261
WA2MCR	"	192,696	426 248
NE2V	"	174,981	294 219
WS9M	"	161,551	331 221
KD2UBH	"	151,466	350 217
KM2K	"	129,168	228 184
KA2K	"	124,440	195 183
KA2AEY	"	61,256	208 152
W02Y	"	60,236	193 148
WA2VIU	"	47,388	157 132
WA3AFS	"	24,472	92 92
AB2E	"	22,356	120 92
N2YBB	"	21,185	103 95
AD2BO	"	6,966	47 43
KC2KZJ	"	1,008	17 14
WB2WPM	14	3,250	54 50
<b>*KU2M</b>	<b>A</b>	<b>2,524,608</b>	<b>1422 648</b>
*AH2O	"	1,122,990	983 498
*WB2JVO	"	792,819	789 411
		<i>(OP: K2AL)</i>	
*WA2DNI	"	770,628	873 431

*KC2WUF	"	414,636	552 317
*WB2COY	"	352,500	574 282
*W2NO	"	294,872	359 328
*KS2G	"	258,075	394 279
*WA2QAU	"	234,011	402 241
*AC2XC	"	222,176	449 262
*NS2N	"	181,280	309 220
*W2JV	"	159,264	323 252
*W2RLK	"	104,340	275 185
*AG2S	"	101,376	246 176
*NM2K	"	94,520	214 170
*KW2O	"	93,310	196 155
		<i>(OP: KA2D)</i>	
*K2DAR	"	63,640	185 185
*K3WHD	"	56,330	179 131
*K2GF	"	39,183	149 111
*ND2K	"	36,160	145 113
*K2DD	"	31,624	148 118
*KD2SGM	"	15,433	65 61
*AC2OC	"	14,388	71 66
*K1NY	"	12,596	82 67
*W2YK	"	8,410	66 58
*W2DXE	"	5,453	47 41
*KA2WIK	"	480	17 16
*WA2CHV	"	65	5 5
<b>*K2SI</b>	<b>28</b>	<b>1,128</b>	<b>24 24</b>
<b>*AC2IK</b>	<b>14</b>	<b>2,016</b>	<b>40 36</b>
<b>*W2VTV</b>	<b>7</b>	<b>226,380</b>	<b>311 231</b>
<b>United States - District 3</b>			
<b>AA3B</b>	<b>A</b>	<b>8,024,898</b>	<b>2749 942</b>
KF3P	"	6,112,690	2272 877
		<i>(OP: K3MM)</i>	
N3QE	"	3,260,544	1616 672
NF3R	"	3,172,580	1781 730
KA3GIK	"	2,028,696	1255 617
		<i>(OP: W3FIZ)</i>	
K3WJV	"	1,768,536	1105 616
W3FV	"	1,689,050	1141 550
N3FJP	"	1,614,626	1118 562
K3WW	"	1,192,608	939 492
WC3N	"	1,123,474	937 458
WT3K	"	1,053,228	837 474
AA3R	"	764,736	665 448
KX2S	"	682,668	740 378
W2CDO	"	658,896	581 424
NY3B	"	557,784	579 366
KD3TB	"	555,396	585 372
K2LNS	"	479,950	569 331
K3TN	"	469,404	500 354
4U1WB	"	431,892	776 372
		<i>(OP: AJ3M)</i>	
N3ALN	"	428,188	598 334
NT3U	"	424,396	515 322
AK3B	"	375,232	489 328
N3AM	"	291,276	315 279
N8WQ	"	253,176	415 264
W3FR	"	225,280	386 256
KC3TAU	"	174,563	310 227
K3AU	"	173,706	333 221
		<i>(OP: K2YWE)</i>	
KB3Z	"	160,928	270 214
W3MAM	"	150,285	324 215
NN3RP	"	149,935	276 191
N3BD	"	141,400	340 202
NG3R	"	128,060	226 190
		<i>(OP: K9RS)</i>	
W3OU	"	126,633	271 191
N3DUE	"	123,656	254 164
KE3GK	"	123,516	380 292
K3RMB	"	104,160	268 186
KG4USN	"	95,120	222 164
K3MD	"	86,271	199 193
K3QIA	"	80,840	208 172
N3FCP	"	77,736	207 158
AA3S	"	76,000	174 152
N1EK	"	69,615	195 153
NA7L	"	65,685	207 151
W3RE	"	64,529	188 173
N3AML	"	32,994	128 94
WY3A	"	28,083	127 111
K3CY	"	20,736	94 81
N3RM	"	11,324	91 76
W3GVX	"	7,740	61 45
K3TEF	"	475	19 19
<b>W3LL</b>	<b>7</b>	<b>1,772,880</b>	<b>859 498</b>
NA3M	"	1,278,576	736 468
<b>*W3KB</b>	<b>A</b>	<b>768,504</b>	<b>586 451</b>
*AC5XK	"	722,294	716 409
*KB3AA	"	538,197	571 347
*K3RWN	"	330,620	565 305
*KQ3F	"	285,817	374 307
*N3FR	"	237,360	443 258
*K3AK	"	215,433	411 237
*AC3U	"	198,045	369 243
		<i>(OP: W3UL)</i>	
*KC3SDJ	"	134,521	297 193
*K3LT	"	123,713	301 193
*K3QP	"	120,132	252 213
*N2MA	"	111,414	248 186
*N3MLB	"	95,200	236 175
*AI3KS	"	82,560	212 172
*KE3ZT	"	80,907	196 149
*KC2VON	"	66,456	192 142
*KN1OLA	"	59,502	183 141
*WB8YY	"	54,020	177 148
*AB3SX	"	51,737	182 133
*W3TAS	"	35,964	138 111
*AB3GY	"	26,796	113 87
*N3JNX	"	21,420	108 84
*N2LK	"	21,297	110 93
*AD2L	"	19,285	106 95

*K2PMD	"	16,281	97 81
*AJ3DI	"	15,200	102 80
*N5TB	"	11,932	96 76
*KC3SVR	"	10,602	64 57
*KC3WX	"	9,660	62 60
*KA2JAI	"	6,840	66 57
*N3WAS	"	4,725	49 45
*N3HRO	"	4,050	54 50
*WB3JIS	"	4,012	36 34
<b>*K3HW</b>	<b>28</b>	<b>546</b>	<b>14 14</b>
<b>*WA3FAE</b>	<b>7</b>	<b>205,110</b>	<b>298 215</b>
<b>United States - District 4</b>			
<b>AD4EB</b>	<b>A</b>	<b>4,179,618</b>	<b>2111 801</b>
N6AR	"	2,653,326	1483 667
N1RM	"	2,191,196	1289 556
K9OM	"	2,082,417	1066 653
NA4DA	"	2,054,225	1238 647
AA4DD	"	1,746,360	1178 567
W4TTY	"	1,240,442	887 502
N4QS	"	1,015,560	795 468
NQ4J	"	770,400	790 428
		<i>(OP: K8LF)</i>	
N4TB	"	715,712	739 424
W4CQE	"	644,993	731 409
W4BBT	"	579,244	724 358
W4GKM	"	531,700	650 409
WJ2D	"	525,980	580 340
W1IE	"	519,792	687 392
K4XL	"	480,636	521 316
NC4S	"	449,280	570 351
W4UEF	"	399,657	523 303
NC4SW	"	385,671	597 319
WS6X	"	378,560	505 320
WW4R	"	358,792	457 301
		<i>(OP: N4ZZ)</i>	
AI4WW	"	357,004	586 298
K7OM	"	344,318	538 323
W4UK	"	328,727	536 311
AI4WU	"	325,594	452 263
N4CF	"	301,041	415 279
NR4O	"	293,343	433 277
NN4NN	"	274,052	392 262
		<i>(OP: K3SV)</i>	

*WZ4M	"	192,660	432	247	*N5JGE	"	106,191	297	171	K7WP	"	946,070	926	445
*K4DR	"	179,728	366	239	*K15RQG	"	89,000	304	178	AC7DC	"	807,729	900	417
*K4FTO	"	179,469	343	207	*WDQGTY	"	82,064	289	184	KH7X/NZ7	"	688,884	789	417
*KD4ADC	"	179,118	393	214	*WB5K	"	77,688	278	166					(OP: KH6ND)
*AA2MA	"	176,904	324	216	*KF5VRD	"	69,913	241	151	AC7S	"	592,130	936	385
*WA3RWP	"	172,032	384	224	*WA8ZBT	"	60,671	246	169	KN7K	"	528,984	815	372
*W4PJW	"	156,562	361	211	*N5XE	"	57,150	186	150	WC7Q	"	375,240	623	354
*NK4T	"	141,050	347	217	*KK5LO	"	56,398	194	163	AA7A	"	371,754	484	342
*AA5JF	"	140,400	256	216	*KF5RLL	"	52,514	213	154	K7GS	"	360,255	452	365
*NN4RB	"	139,499	280	199	*N3BUO	"	50,041	233	163	KZ1W	"	343,176	572	316
*KT6D	"	139,256	307	206	*WA5LFD	"	43,875	182	125	N9NA	"	334,400	647	320
*KM4F	"	95,976	263	186	*N5PV	"	43,053	198	127	KD7PCE	"	323,856	645	312
*W4VIC	"	90,036	206	164	*K5WW	"	26,288	152	106	K7JQ	"	266,751	492	277
*K04XB	"	85,848	238	168	*W5SD	"	24,720	182	120	N7DSX	"	230,202	493	261
*KM4FO	"	82,080	248	160	*AA5W	"	20,384	125	98	W7LD	"	207,473	532	277
*N4QI	"	77,854	226	166	*K15OPY	"	19,012	122	97	N1KEZ	"	190,452	408	269
*K4FJW	"	76,475	220	161	*KG5EIU	"	14,532	104	84	N7VGO	"	177,888	329	218
*KN4PHS	"	71,592	196	157	*WA9AFM	"	13,248	124	92	K7VIT	"	151,216	375	208
*W4TM	"	71,050	240	175	*WB0RUR	"	11,703	102	83	KG7CW	"	149,160	385	226
*AA8R	"	68,832	193	144	*N5AF	"	4,949	55	49	KB7AZ	"	141,882	292	221
*KT3T	"	68,704	200	152	*AG5S	"	2,870	44	35	AD7XG	"	138,672	308	216
*K54YX	"	62,015	198	157	*AC5AA	"	1,911	40	39	K7LFLY	"	132,581	337	197
*W4GO	"	54,656	152	128	*K3KEK	"	690	27	23	N7GR	"	130,410	341	230
*K04ENU	"	52,640	295	188	*K5LXG	"	570	16	15	WU7W	"	115,713	315	207
*WN8Y	"	50,560	237	158	*K5IX	"	190	10	10	KF7F	"	110,292	232	182
*W4EE	"	49,077	167	133	*KC6CNN	"	150	10	10	KY7M	"	100,470	252	197
*N4AU	"	45,588	155	131	*KC5RGQ	"	36	9	9	WA7DUH	"	92,217	233	177
*K4YCR	"	45,250	157	125	*K5QR	28	296,102	415	314	WG7X	"	91,871	345	191
*KW4J	"	42,240	174	132	*NK5G	"	62,208	205	162	K7BVT	"	81,137	257	173
*NQ4K	"	38,400	146	120	*AF5CC	"	1,104	25	24	WB6JJJ	"	68,783	211	143
*AC4G	"	38,184	129	111	*W0AMT	"	714	23	21	N7XCZ	"	56,265	271	155
*K04BWN	"	34,314	134	133						KR7D	"	47,742	202	146
*WB0POH	"	32,130	133	105						KT7G	"	46,035	189	155
*KA3EHL	"	24,516	135	108	<b>United States - District 6</b>					W7VJ	"	45,750	145	122
*NS9I	"	23,976	132	108	<b>KU6W</b>	<b>A</b>	<b>1,307,250</b>	<b>1151</b>	<b>525</b>	KG7QXE	"	33,600	145	112
*W4IM	"	23,736	118	86	N6ZFO	"	964,429	1038	463	W7VXS	"	33,040	157	118
*K4LDC	"	22,542	112	102	NF6A	"	934,570	867	455	N7OMS	"	28,512	136	108
*WG4K	"	22,464	130	108	K6TO	"	905,580	1067	468	NK9I	"	19,176	155	102
*KQ4AAR	"	20,910	106	85	W6SX	"	844,770	1059	435	W7UDH	"	13,248	134	92
*WB4MM	"	20,608	122	92	W6EU	"	813,058	910	446	WR7T	"	12,324	87	78
*W4SKB	"	20,580	135	105	AJ6V	"	748,879	939	409	WN7M	"	10,695	86	69
*N4MRM	"	20,271	98	87	WQ6Q	"	722,400	961	430					(OP: K7BTW)
*W1REP	"	19,092	95	74	WQ6K	"	607,476	602	426	W7GES	"	10,203	60	57
*K1GU	"	18,837	102	91	W1PR	"	289,191	477	293	K7NT	"	8,235	65	61
*K4HAL	"	18,304	102	88	K6NV	"	273,988	502	286	NN7M	"	1,188	30	27
*N4NTO	"	17,577	102	81	K6RC	"	199,680	417	260	WA7TV	"	1,125	26	25
*KQ3K	"	14,400	82	72	NC6R	"	199,104	480	272	KZ7X	28	1,301,016	1071	604
*W9FFA4	"	12,584	113	88	KN6MYI	"	184,623	276	237					(OP: K6LL)
*KK4DZP	"	10,988	73	67	AF6SA	"	175,274	374	257	NS1L	"	641,348	660	446
*K1NA	"	9,954	85	79	KO6M	"	97,152	334	184					(OP: N6SS)
*K3WR	"	8,760	68	60	NK6A	"	91,532	292	196	WZ7ZR	"	321,195	492	345
*N8AID	"	8,100	55	50	W8GJK	"	77,989	252	167					(OP: W7ZR)
*W4YVA	"	7,936	71	62	W6TK	"	60,147	209	163	K7IU	"	118,197	314	207
*AK4AO	"	6,954	69	57	KE6QR	"	48,528	190	144	KK7L	"	3	1	1
*KM4CRC	"	6,858	67	54	W6IA	"	44,544	161	128	WQ3U	21	17,372	121	101
*K4LXX	"	6,667	66	59	AB1U	"	27,160	160	97	K8IA	7	689,724	624	357
*KM4RK	"	6,321	55	49						*N7GCO	A	360,912	573	309
*NG4L	"	4,275	53	45	W6DR	"	20,240	106	88	*W7BOB	"	309,232	559	308
*KM4JLK	"	4,160	59	52	K6ELE	"	17,184	112	96	*N7UVH	"	292,456	572	278
*K4MI	"	4,116	46	42	W6JBR	"	15,470	95	85	*WZ8T	"	283,864	597	296
*K8PO	"	3,240	40	36	K6NR	"	13,345	105	85	*WS7I	"	239,904	409	306
*KF4FMQ	"	2,652	36	34	K6ZP	"	1,166	24	22	*N7ESU	"	209,062	430	274
*KC4OBX	"	2,508	35	33	AA6MK	"	1,157	101	89	*WA0WWW	"	201,745	344	257
*K4CGA	"	2,304	38	36	WD6T	28	1,319,094	1075	609	*W7TMT	"	189,002	491	242
*WA8AHZ	"	1,860	33	30						*K7HKR	"	172,912	365	214
*N4NP	"	798	21	21	WX6V	"	337,120	458	344	*WN6W	"	171,570	426	258
*K4NXA	"	380	20	20	WV6I	21	360,836	500	343	*K7AZT	"	107,238	300	183
*KN4UOW	"	368	23	23						(OP: N6WM)				
*N5VX	"	84	12	12	WF6C	"	60,480	213	160	*AA4Q	"	106,790	329	181
*AA4TE	"	3	1	1						*NA6JD	"	74,800	247	170
*W04O	28	254,040	357	290	WX5S	7	316,250	366	251	*KG7VIZ	"	70,470	267	162
*K4FT	"	37,908	127	117	N3RC	"	36	6	6	*N7JB	"	61,056	224	144
*WA1FCN	21	320,540	496	341	*N7WLC	A	189,306	415	234	*W7MTL	"	55,338	214	138
*W4LC	14	111,776	303	224	*KE6SHL	"	188,276	486	242	*K7VAP	"	54,663	219	137
*N8GU	"	2,184	46	42	*K6UF	"	84,132	268	171	*W7WSV	"	51,570	187	135
*K3TW	"	156	14	13	*N6GEO	"	77,740	228	169	*N7EZQ	"	50,516	219	146
*KE0L	3.5	1,450	33	25	*K6BIR	"	49,140	234	135	*W1DGL	"	47,360	246	148
					*K6FA	"	46,854	173	137	*WA7LNL	"	42,159	231	141
					*W6UX	"	37,250	194	125	*NW7D	"	32,480	169	116
					*NN6U	"	32,592	143	112	*W7VC	"	29,925	173	105
					*KA5WSS	"	32,085	189	115	*NQ7R	"	29,500	159	118
					*KD6HOF	"	23,100	122	100	*N7XB	"	28,600	160	100
					*KN6SID	"	22,338	165	102	*KB7AK	"	24,486	153	106
					*K6EI	"	21,756	98	84	*NY7N	"	23,999	139	103
					*K4AOQ	"	19,090	93	83	*N7VS	"	23,970	140	102
					*K6TLH	"	18,200	127	91	*KE7GKI	"	23,900	163	100
					*KD6GWH	"	16,632	109	84	*WA7BRL	"	23,214	126	106
					*KN6EQQ	"	13,760	127	86	*WB7CYO	"	21,210	140	105
					*KM6WCC	"	13,600	96	85	*NU7F	"	20,988	127	99
					*KN6TZK	"	8,382	79	66	*KB7SDM	"	18,693	140	93
					*W6BSD	"	6,464	79	64	*N7PWZ	"	16,791	116	87
					*AG6JA	"	5,376	55	48	*K7MK	"	16,770	96	86
					*NF6R	"	4,365	53	45	*AB9BH	"	13,320	107	90
					*KG6YJ	"	2,847	43	39	*W0SX	"	12,480	101	78
					*KN6OON	"	680	18	17	*N7AME	"	10,220	89	73
					*N6EWG	"	490	14	14	*N6FC	"	8,662	97	71
					*KE6MYA	"	130	10	10	*KF7GMV	"	6,944	75	62
					*KF6RY	28	108,876	326	211	*KI7YFP	"	4,640	65	58
										*WB7QMR	"	3,478	54	47
					*N06ED	"	1	1	1	*K17DET	"	2,812	45	38
					*NG6O	7	152,096	295	194	*KK7A	"	2,550	39	34
					*WZ6ZZ	3.5	4,816	54	43	*KJ7DHY	"	1,386	45	42
										*AC6DF	"	1,036	29	28
										*AE7AP	"	1,020	20	20
										*KD7GHZ	"	624	26	26
										*K7ULS	28	58,368	182	152
					</									









*RA3V	"	59,292	169	122	DG0KS	"	41,402	150	127	*DJ5CW	"	36,192	112	96
*RW3DY	"	43,673	146	119	DL8DWL	"	40,940	131	115	*DM0E	"	35,328	114	96
*RX3MM	"	36,424	145	116	DL1DBR	"	35,476	122	98				(OP: DG1HXJ)	
*UC5D	"	35,105	155	119	DL6DH	"	33,182	112	94	*DJ2MX	"	34,814	112	103
*UB3SAR	"	24,300	108	90	DL3XM	"	30,380	102	98	*DM5MT	"	33,024	115	96
*R3OR	"	22,204	107	91	DL1DJH	"	29,600	130	113	*DL1DXF	"	32,825	123	101
*RV3ZN	"	14,532	92	84	DLQOY	"	27,810	97	90	*DL1QW	"	32,438	107	98
*RU3XW	"	7,504	65	56					(OP: DF2RG)	*DH2WQ	"	30,996	134	108
*UF5A	28	253,453	402	289	DL2OE	"	18,966	101	87	*DL2NBU	"	30,600	116	102
*R2XM	"	151,863	315	227	DL8RDL	"	18,150	84	75	*DL8ZAJ	"	30,432	117	96
*RU5X	"	100,548	237	189	DP6K	"	17,394	91	78	*DL2LMS	"	28,314	105	99
*RU3OZ	"	27,454	111	106					(OP: DM2WB)	*DL9PN	"	28,254	119	102
*UA3PI	7	96,768	182	144	DL7CX	"	16,560	97	90	*DL7YS	"	27,416	107	92
*F3DF	"	8,944	43	43	DL5DXS	"	16,170	86	77	*DF1KA	"	26,642	101	77
					DK2CC	"	6,860	53	49	*DL4SDW	"	26,442	112	78
<b>European Russia - District 4</b>					DL1L0D	"	5,160	50	43	*DL6FCX	"	26,187	109	87
UF4S	A	2,007,387	1314	603	DC2VE	"	3,610	40	38	*DL1JPF	"	25,996	121	97
RW4HBG	"	1,009,356	986	466	DM0A	<b>28</b>	<b>1,754,294</b>	<b>1048</b>	<b>661</b>	*DL6RBH	"	25,098	98	89
RA4ZA	"	215,384	344	247					(OP: DK3DM)	*DF2ET	"	23,661	109	99
R4CI	"	35,380	140	116	DL3BQA	"	1,137,648	858	519	*DL9CGG	"	23,085	97	81
RG4A	28	460,736	556	368	DM1T	"	585	16	15	*DJ6MK	"	21,580	99	83
R4FCJ	7	3,720	34	31					(OP: DL9SCO)	*DL4GBA	"	19,920	87	80
*RU4PH	A	332,080	461	280	DL1DTL	<b>21</b>	<b>337,212</b>	<b>437</b>	<b>348</b>	*DL4FAP	"	19,588	89	83
*RT4W	"	148,741	303	223	DH6BH	<b>14</b>	<b>253,300</b>	<b>401</b>	<b>292</b>	*DG3DJ	"	17,425	98	85
*UA4WJ	"	114,576	257	176	DM6DX	<b>7</b>	<b>139,548</b>	<b>193</b>	<b>174</b>	*DL3EL	"	14,520	74	60
*UC4I	"	71,766	199	162	DL5SE	"	2,756	28	26	*DK1VY	"	14,352	92	78
*RA4L	"	64,232	204	148	DH6WR	<b>3.5</b>	<b>241,774</b>	<b>315</b>	<b>221</b>	*DL9ZWG	"	14,070	78	70
*R4WZ	"	61,420	176	148	*DJ4MX	<b>A</b>	<b>1,605,065</b>	<b>886</b>	<b>605</b>	*DK1LRS	"	13,350	84	75
*R4RB	"	18,492	103	92	*DL5RMH	"	1,091,316	790	457	*DL1DWL	"	13,026	90	78
*RN4HAB	"	16,560	79	69	*DL8TG	"	1,068,832	719	508	*DC8QT	"	12,474	88	77
*RK4NB	"	2,175	31	29	*DK2OY	"	969,165	788	405	*DF9VJ	"	11,956	67	61
*UB4FFB	14	11,322	80	74	*DL9IM	"	955,400	773	425	*DL8MKG	"	10,492	62	61
					*DM5B	"	912,676	810	401	*DL4DRG	"	9,345	96	89
<b>European Russia - District 6</b>									(OP: DG6IMR)	*DK6SP	"	9,129	59	51
R7CD	A	1,045,611	810	441	*DL164OY	"	690,030	676	374	*DL2TM	"	9,028	70	61
UC6N	21	517,951	578	427	*DJ9MH	"	674,778	550	422	*DF2QZ	"	8,607	58	57
RU6YJ	"	62,951	187	161	*DL5DTG	"	651,375	614	375	*DK9ZE	"	8,262	58	54
*R7MM	A	1,245,176	990	491	*DL5KUD	"	614,560	573	368	*DM7HB	"	8,134	55	49
*R6KX	"	314,290	394	285	*DM7W	"	567,806	485	386	*DF3CE	"	6,768	53	47
*RQ7R	"	287,452	432	278					(OP: DL8MAS)	*DL25KYF	"	6,192	53	48
*RN6DR	"	143,244	269	207	*DL1ZBO	"	534,314	586	326				(OP: DM2HEY)	
*RX6N	28	4,725	48	45	*DL3DRN	"	484,968	569	334	*DF6RI	"	5,096	52	49
*RA6LIS	14	200,943	386	269	*DJ5FS	"	424,875	523	309	*DC8SG	"	4,720	41	40
*RT6DI	"	75,115	211	181	*DL6SFR	"	408,401	460	287	*DP7R	"	4,598	38	38
					*DL5ARM	"	386,208	459	288				(OP: DL1GWS)	
<b>European Russia - District 9</b>					*DG9OAY	"	336,377	439	263	*DM4AB	"	2,790	34	30
*R9FE	A	404,775	494	315	*DO3PKE	"	305,814	412	291	*DL6NEJ	"	2,343	35	33
*R8XF	"	295,812	473	297	*DL6EZ	"	311,616	457	288	*DL0RDG	"	2,336	33	32
*RA9XSL	"	9,238	69	62	*DH0HAN	"	298,627	408	259				(OP: DL9GWA)	
					*DD5VL	"	286,764	358	276	*DM4KR	"	2,278	37	34
<b>Fed. Rep. of Germany</b>					*DL1PSK	"	266,280	344	280	*DF6YC	"	1,564	24	23
DM7XX	<b>A</b>	<b>4,571,248</b>	<b>1712</b>	<b>836</b>	*DP5P	"	257,342	295	223	*DK0VLP	"	360	10	10
DK8ZZ	"	3,783,013	1651	733					(OP: DL1MHJ)	*DL7UPN	"	330	15	15
DP8M	"	2,422,511	1207	637	*DJ4WM	"	256,470	351	249	*DO1TLP	"	16	4	4
									(OP: DL6NDW)	*DG5EM	"	3	2	1
DA3X	"	2,074,496	1087	608	*DM5M	"	231,894	330	234				(OP: DJ0ZY)	
										*DK9FEC	<b>28</b>	<b>70,500</b>	<b>182</b>	<b>150</b>
DF8XC	"	2,029,400	1226	584	*DM4EAX	"	226,452	359	226	*DH0GDS	"	69,921	178	153
DK9IP	"	1,839,936	999	592	*DM2GG	"	200,396	313	238	*DF4WC	"	56,244	158	129
DL6JZ	"	1,827,628	1048	569	*DB2WD	"	198,690	297	222	*DL9NE	"	11,220	68	66
DL0HMK	"	1,781,605	1111	545	*DO2SBS	"	186,485	321	247	*DJ1MM	"	4,000	41	40
					*DB8AH	"	156,400	294	200	*DL1DWR	"	1,197	21	21
DJ3NG	"	1,750,881	1018	561	*DL6MHW	"	152,856	271	193	*DO8FX	"	275	11	11
DQ1P	"	1,656,288	996	568	*DL4HCF	"	148,390	277	209	*DJ7UC	<b>21</b>	<b>98,952</b>	<b>233</b>	<b>186</b>
					*DL3YM	"	130,240	243	185	*DO2MOG	"	25,152	101	96
DL50DAH	"	1,521,562	981	502	*DL2FM	"	128,469	237	187	*DL8JKN	"	2,890	35	34
					*DC8YZ	"	126,480	237	204	*DL4FN	<b>14</b>	<b>653,705</b>	<b>662</b>	<b>445</b>
DH8BQA	"	1,391,314	888	542	*DL6DCX	"	125,928	273	216	*DL3KVR	"	37,539	154	129
DJ9RR	"	1,257,578	772	602	*DM6EE	"	124,992	235	192	*DL1STV	"	1,428	30	28
DK5MB	"	1,183,336	784	476	*DK1YH	"	124,898	290	197	*DL4ME	<b>7</b>	<b>418,472</b>	<b>369</b>	<b>289</b>
DL7URH	"	1,134,112	703	488	*DL4KW	"	122,360	235	190	*DJ5TT	"	359,040	353	264
DM5GG	"	1,078,480	756	442	*DF0BV	"	120,714	218	177	*DM3M	"	271,440	307	234
DL1RTL	"	1,073,552	789	458					(OP: DL1MAJ)				(OP: DM3XRF)	
DF6QV	"	996,996	721	429	*DK65ERD	"	118,770	235	185	*DF4ZL	"	257,712	296	236
DB1WA	"	940,043	782	433					(OP: DJ5CL)	*DK5PD	"	130,302	199	171
DF8QB	"	804,063	641	389	*DL4YDR	"	115,340	218	158	*DL8ZU	"	83,352	167	138
DK4VW	"	800,856	699	392	*DL8DWW	"	113,849	233	181	*DM2RN	"	35,696	105	97
DJ8EW	"	776,050	640	415	*DL1GWS	"	112,476	223	182	*DM4OLC	"	22,752	78	72
DL1NEO	"	751,180	548	460	*DF7AT	"	111,276	219	198	*DL9TU	"	340	10	10
DL4ZA	"	748,753	682	419	*DL2ZA	"	100,275	217	175	*DO1ABW	3.5	62,500	145	125
DH0GHU	"	705,646	603	389	*DC1YL	"	98,982	197	162					
DK2LO	"	499,851	492	363	*DL1DAW	"	98,564	204	164	<b>Finland</b>				
DL7VOG	"	473,280	506	320	*DL9DX	"	96,824	221	152	<b>OH3FM</b>	<b>A</b>	<b>1,924,128</b>	<b>1387</b>	<b>524</b>
DL5ST	"	454,463	491	331	*DL1EJD	"	94,792	229	164	OH3EX	"	838,034	665	446
DL5YM	"	453,876	529	327	*DJ3GE	"	94,240	218	155	OH7KBF	"	757,621	690	379
DD7UW	"	326,150	406	275	*DL1ASA	"	91,512	204	164	OG2P	"	690,399	538	369
DJ5MW	"	322,973	391	301	*DJ2IA	"	89,474	209	166	OH3GLY	"	75,517	200	157
DL5AXX	"	278,806	383	253	*DL9GMC	"	87,156	216	162	OG6N	"	43,375	145	125
DK6WL	"	274,932	336	252	*DG6ME	"	83,076	189	161				(OP: OH6NIO)	
DL1EHG	"	265,716	389	244	*DL6ES	"	81,305	204	161	<b>OH1X</b>	<b>28</b>	<b>23,128</b>	<b>101</b>	<b>98</b>
DF5BX	"	265,500	396	250	*DG3NAB	"	80,964	196	156	<b>OH1NOA</b>	<b>21</b>	<b>107,365</b>	<b>248</b>	<b>197</b>
DK2AT	"	265,468	383	266	*DL1EMA	"	78,570	200	162	*OG16M	<b>A</b>	<b>559,875</b>	<b>685</b>	<b>375</b>
DJ5AN	"	259,210	324	245	*DL2LBK	"	74,104	161	157	*OH2EUU	"	90,024	232	186
DF8V	"	220,418	315	233	*DL5MHX	"	69,136	187	149	*OH2JIU	"	79,534	182	133
					*DJ9WJ	"	65,105	185	145	*OH9GIT	"	55,744	178	134
					*DL2PK	"	62,967	175	139	*OH5UQ	"	8,176	63	56
DJ5IW	"	195,220	288	215	*DL9FBF	"	59,850	170	133	*OH1XX	"	6,075	49	45
DF5MA	"	184,044	281	196	*DL2AK	"	57,368	177	142	*OH8KVV	<b>28</b>	<b>141,474</b>	<b>299</b>	<b>219</b>
DK2TG	"	158,466	281	231	*DK4EF	"	54,000	150	125	*OH6FSG	"	67,416	181	159
DL1STG	"	139,153	248	193	*DF3EH	"	53,949	172	147	*OH1FFN	<b>21</b>	<b>74,648</b>	<b>198</b>	<b>172</b>
DK3GI	"	135,408	243	208	*DK7TY	"	50,544	142	117					
DL9UP	"	116,864												



F5NBX	"	103,032	234	159	IK3ORD	"	1,383,910	821	506	*IU5ICR	"	23,016	96	84
F61TD	"	24,273	109	93	IV3WMS	"	1,232,322	897	427	*I2XYI	"	20,382	98	79
F8AOF	<b>21</b>	<b>58,500</b>	<b>164</b>	<b>156</b>	IU1LCU	"	1,190,601	792	503	*I21PLH	"	20,007	95	81
*F4VSD	"	21,280	110	95	IV3IPS	"	877,013	707	391	*IK6SXQ	"	18,360	99	90
*TM3Z	<b>A</b>	<b>6,546,037</b>	<b>1955</b>	<b>919</b>	I1JTO	"	849,690	690	405	*IN3XWE	"	15,147	94	81
					IX1CLD	"	845,952	625	384	*IK2YSJ	"	14,774	86	83
*F41TQ	"	573,447	582	329	I2SVA	"	793,224	640	414	*I25DKO	"	14,100	77	73
*F5RD	"	347,214	428	294	IK7NXU	"	782,690	693	415	*IW2JRV	"	13,680	89	80
*F4FDR	"	274,574	376	254	IUOPVM	"	762,354	690	369	*IKORMR	"	13,024	78	74
*F5PVJ	"	222,975	314	225	I2DJJ	"	721,000	595	412	*IK2WYI	"	12,680	83	72
*F4EKH	"	207,792	293	216	I2ZLSP	"	647,140	584	380	*I2ZABZ	"	12,080	83	80
*F4FHV	"	189,441	298	217	IWORLD	"	590,957	580	361	*I2OFVD	"	7,326	66	66
*F4IRV	"	142,354	291	218	IW2ILQ	"	569,516	582	346	*IK4RUX	"	6,985	57	55
*F4FRC	"	133,574	285	203	IK2SAI	"	565,326	613	361	*IU3GOA	"	6,435	61	55
*F4IVC	"	129,090	275	195	I24FUE	"	516,636	539	339	*I23QFG	"	6,280	43	40
*F4VVG	"	109,200	197	168	I2BRT	"	480,562	497	337	*I25CLJ	"	5,805	48	43
*F1IKA	"	98,596	182	157	I2WJ	"	465,321	470	327	*IK1BPL	"	5,208	48	42
*F6BQG	"	94,958	222	158	IK2XSL	"	412,344	505	332	*I25PQT	"	4,400	48	40
*F1TRE	"	92,208	189	136	IK5FKF	"	391,680	456	320	*IUOPRAU	"	3,735	48	45
*F4CZV	"	90,210	227	186	I2VXJ	"	381,582	472	306	*IN3MNS	"	3,104	35	32
*F4GDI	"	86,416	212	176	I23KEF	"	375,069	415	327	*I23XNJ	"	3,024	37	34
*F5TYY	"	50,085	160	135	IU1HHH	"	291,564	419	252	*I2OZFK	"	2,856	37	36
*F1IWH	"	35,192	131	106	I22ZQP	"	277,875	422	247	*IK2REA	"	2,325	26	25
*F5MMB	"	33,330	129	110	IK8SVQ	"	269,637	380	289	*I21FKS	"	2,262	30	29
*F5OYC	"	28,690	110	95	4U13FEB	"	238,164	408	267	*I22BHQ	"	2,106	26	26
*F/DF8DX	"	27,730	116	94						(OP: 9A3A)		1,633	23	23
*F8CPA	"	19,680	97	80	IØGIA	"	156,414	251	199	*I28CLM	"	826	14	14
*F1TEM	"	12,540	89	76	IK2AHB	"	148,454	258	199	*IKØPEA	<b>28</b>	<b>19,024</b>	<b>86</b>	<b>82</b>
*F6KPK	<b>28</b>	<b>110,780</b>	<b>238</b>	<b>191</b>	IK5PWS	"	114,810	227	178	*I3HAX	"	11,088	68	66
					I1NVU	"	103,045	228	185	*I25OOX	"	10,458	67	63
					IW4ECF	"	102,312	207	174	*IK5AMB	<b>21</b>	<b>422,688</b>	<b>492</b>	<b>357</b>
					I24UFB	"	94,870	236	179	*IK1NEG	"	85,164	213	188
					IK4HPS	"	73,179	206	173	*I26DWH	"	17,922	98	87
SV8DCY	<b>A</b>	<b>499,106</b>	<b>575</b>	<b>326</b>	IW1CHX	"	67,196	171	157	*I2W2MX	<b>14</b>	<b>574,002</b>	<b>643</b>	<b>446</b>
SV1ABB	"	162,681	319	211	IKØYUT	"	66,944	196	128	*IK7DXP	"	186,068	396	257
J42R	<b>28</b>	<b>395,975</b>	<b>476</b>	<b>337</b>	IK2LOL	"	35,030	128	113	*I27XNB	"	129,727	289	221
					(OP: SV2HXV)					*I3VZNK	"	121,338	259	214
SV3GKU	"	177,320	311	248	IU1JUZ	"	34,093	122	103	*IK2UEX	"	47,348	176	133
SV2BXA	<b>21</b>	<b>1,083,712</b>	<b>829</b>	<b>574</b>	IK2TDM	"	32,368	123	112	*IU1FQQ	"	43,355	160	145
SV3SCW	"	904,916	797	538	IK2IKW	"	31,993	121	107	*IK4RQJ	"	544	17	16
SX2K	<b>7</b>	<b>481,080</b>	<b>400</b>	<b>285</b>	IW2DOY	"	29,574	104	93	*I3PXN	<b>7</b>	<b>991,020</b>	<b>617</b>	<b>398</b>
					(OP: SV2BXZ)					*I1PNJ	"	639,276	510	319
*SX68SF	<b>A</b>	<b>281,415</b>	<b>461</b>	<b>257</b>	IKØXB	"	22,464	82	78	*I2V	"	534,576	456	296
					(OP: SV1JFL)					*I21JFF	"	124,168	196	166
*SV2SKD	"	208,656	363	216	IØVXB	"	5,355	53	51	*IØØGYC	"	66,712	142	124
*SV1CKZ	"	173,463	290	201	IU4FKR	"	2,781	30	27	*IK2EBP	"	49,950	129	111
*SV4RNT	"	148,256	328	226	I1DXD	"	1,232	22	22	*IK4GNI	"	37,014	109	93
*SV1NZX	"	65,747	166	139	IØ3BTY	<b>28</b>	<b>282,880</b>	<b>389</b>	<b>272</b>	*IØ5EIJ	"	33,582	100	87
*SV1DOO	"	53,880	155	120	I21PKV	<b>21</b>	<b>506,022</b>	<b>533</b>	<b>374</b>	*I23BGS	"	7,224	47	43
*SV2HJW	"	13,199	77	67	I28BGY	"	406,330	540	358	*IK8IOO	"	3,286	32	31
*SV1DPP	"	11,880	64	60	IØ4CSS	"	20,737	98	89	*IK4RVQ	<b>3.5</b>	<b>469,386</b>	<b>428</b>	<b>293</b>
*SV7CUD	"	9,515	62	55	IØØHLZ	"	14,268	91	82	*IØ2HUS	"	249,536	303	224
*SV1JG	<b>28</b>	<b>251,624</b>	<b>389</b>	<b>284</b>	IK2QIN	"	8,784	63	61					
*SV3EXU	"	154,963	283	241	IK1RY	<b>14</b>	<b>2,191,680</b>	<b>1296</b>	<b>720</b>	(OP: IZ1LBG)				
*SV3SKM	"	88,690	226	181										
*SV2AEL	<b>14</b>	<b>1,110,970</b>	<b>943</b>	<b>538</b>	I22BVC	"	61,304	198	158	RN2FQ	<b>A</b>	<b>31,800</b>	<b>130</b>	<b>100</b>
					IØ4CHE	"	47,158	166	146					
					IØ3ZXQ	<b>7</b>	<b>2,090,952</b>	<b>903</b>	<b>514</b>					
					I27XUQ	"	476,418	413	293					
					I1WXY	<b>3.5</b>	<b>447,672</b>	<b>436</b>	<b>276</b>					
					I23SQW	"	343,916	361	254					
					IØ3RYP	"	198,740	277	190					
					IØ3VBM	"	166,348	243	182					
					*IØ6AN	<b>A</b>	<b>4,184,129</b>	<b>1535</b>	<b>769</b>					
					(OP: HA1DAE)									
					(OP: HA8QZ)									
					*I24JMA	"	891,254	741	413					
					*IK1RGK	"	856,449	764	451					
					*IØ1CBG	"	779,145	700	381					
					*IØ2CDH	"	537,758	513	338					
					*I2XLF	"	525,632	571	344					
					*IUØRBE	"	523,973	546	331					
					*IK3SSJ	"	458,328	478	339					
					*IK8TEM	"	432,234	575	333					
					*IØ3IPA	"	366,885	433	263					
					*I27NMD	"	350,808	409	282					
					*IU2JWF	"	345,060	422	284					
					*IØ2FUT	"	306,540	403	262					
					*IKØALT	"	292,100	369	254					
					*IN3OWY	"	286,504	386	236					
					*IK2SAR	"	286,440	412	248					
					*IK4ZIF	"	284,328	312	264					
					*IK2VFO	"	272,034	405	238					
					*IK3TCK	"	251,712	304	304					
					*I24OSH	"	243,236	301	238					
					*IK2GZU	"	215,550	285	225					
					*I26BXQ	"	211,302	359	234					
					*IU3QCC	"	187,956	325	227					
					*IK4XQT/4	"	167,466	301	226					
					*IKØCHU	"	159,258	243	209					
					*IØ8PQ	"	139,860	296	222					
					*IU1LAR	"	129,870	256	185					
					*I22XCK	"	115,005	233	165					
					*IU3OEU	"	113,022	244	189					
					*IK3MLF	"	110,330	214	187					
					*I2BZN	"	100,215	203	153					
					*I1YQG	"	99,360	233	184					
					*IK2AUK	"	98,272	228	166					
					*IK2MXM	"	96,104	206	164					
					*IK2ZJJ	"	94,518	229	178					
					*IK4RVY	"	91,142	229	199					
					*I2OGV	"	84,669	208	169					
					*I25FSA	"	77,865	176	145					
					*IK2OVT	"	60,863	142	121					
					*I25HQB	"	57,680	161	140					
					*IØØAEN	"	46,052	137	116					
					*IK6BSN	"	39,346	127	103					
					*IU8MOA	"	36,125	150	125					
					*I23ZOO	"	34,444	137	109					
					*IU4CHJ	"	32,301	125	111					
					*IK3BVD	"	28,993	95	79					
					*IK2DKX	"	28,314	108	99					
					*IK8UND	"	24,795	101	87					
					*IK8ARF	"	24,700	117	100					
IØ6LA	<b>A</b>	<												





*EA2BJM	"	444,852	485	324	*UX1VX	"	191,840	299	220	*YC1CKK	"	6,060	91	60
*ED4J	"	428,496	574	339	*UT5UML	"	180,375	324	195	*YC1TCA	"	6,016	51	47
			(OP: EA4HKF)		*UR5WCO	"	153,903	227	183	*YCOAOM	"	5,952	71	48
*EA4FIT	"	386,232	469	308	*UT0CK	"	48,972	163	132	*Y4PSG/8	"	5,764	75	44
*EA2EVM	"	366,201	547	297	*US5CDH	"	42,020	148	110	*YB1ICC	"	5,456	44	44
*EA5HYK	"	335,454	462	294	*US7UK	"	240	10	10	*YB2CTE	"	5,376	51	42
*EA11YK	"	199,368	377	234	*UR5LAM	<b>28</b>	<b>233,448</b>	<b>352</b>	<b>284</b>	*YCOJOY	"	5,232	56	48
*EC7YY	"	150,104	298	232	*UW5U	"	15,600	99	75	*YB7GRN	"	3,870	55	45
			(OP: EC7CC)						(OP: UY2UA)	*YF2AIV	"	3,408	49	48
*EA3HKA	"	117,600	292	200	*UT2EF	<b>21</b>	<b>147,744</b>	<b>302</b>	<b>243</b>	*YD1CZE	"	2,673	39	33
*EE5O	"	116,820	219	180	*US0MM	<b>14</b>	<b>135,135</b>	<b>324</b>	<b>231</b>	*YD2BIJ	"	2,257	44	37
			(OP: EA5ITJ)		*UW7LL	<b>3.5</b>	<b>10,816</b>	<b>53</b>	<b>52</b>	*YB9GDP	"	2,133	44	27
*EA7DUT	"	107,118	296	198						*YD3SOV	"	1,365	24	21
*EA1EWY	"	100,980	220	170						*YB1LRG	"	1,015	33	29
*EB5CUZ	"	99,876	228	164						*YB3COY	"	731	20	17
*EF5R	"	95,830	281	185						*YB1DFF	"	325	23	13
			(OP: EA5GOR)							*YF3AWZ	"	190	10	10
*EA5KE	"	89,394	187	141						*YD3BWK	"	100	6	5
*EA2EVC	"	88,234	196	157						*YB1HR	<b>28</b>	<b>155,043</b>	<b>270</b>	<b>207</b>
*EB5CS	"	88,000	224	176						*YB2VYY	"	43,197	132	121
*EA5LU	"	82,478	214	163						*YB2VYY	"	43,197	132	121
*EA2ESK	"	68,134	190	163						*YB2VYY	"	43,197	132	121
*EA2CCG	"	62,133	195	149						*YB2VYY	"	43,197	132	121
*EA3CFV	"	25,500	122	100						*YB2VYY	"	43,197	132	121
*EA3DNC	"	21,000	83	75						*YB2VYY	"	43,197	132	121
*EA7KGK	"	5,300	56	53						*YB2VYY	"	43,197	132	121
*EA5LN	"	4,408	41	38						*YB2VYY	"	43,197	132	121
*EA5ERA	"	2,451	67	57						*YB2VYY	"	43,197	132	121
*EA4AFP	"	1,139	17	17						*YB2VYY	"	43,197	132	121
*EE3Z	<b>28</b>	<b>115,444</b>	<b>243</b>	<b>196</b>						*YB2VYY	"	43,197	132	121
			(OP: EA3NO)							*YB2VYY	"	43,197	132	121
*EA7VJ	"	31,694	114	106						*YB2VYY	"	43,197	132	121
*EA3OH	"	8,732	61	59						*YB2VYY	"	43,197	132	121
*EA4TX	"	7,332	54	47						*YB2VYY	"	43,197	132	121
*ED7B	<b>21</b>	<b>546,270</b>	<b>594</b>	<b>393</b>						*YB2VYY	"	43,197	132	121
			(OP: EC7ZR)							*YB2VYY	"	43,197	132	121
*EE7R	"	258,093	413	297						*YB2VYY	"	43,197	132	121
*EA5MR	"	55,998	190	153						*YB2VYY	"	43,197	132	121
*EF5U	"	37,698	149	122						*YB2VYY	"	43,197	132	121
			(OP: EA5U)							*YB2VYY	"	43,197	132	121
*EB3TR	<b>14</b>	<b>70,666</b>	<b>218</b>	<b>178</b>						*YB2VYY	"	43,197	132	121
*EA1DP	"	20,661	111	97						*YB2VYY	"	43,197	132	121
*EA3OW	"	4,753	51	49						*YB2VYY	"	43,197	132	121
*EA3CI	<b>7</b>	<b>1,574,816</b>	<b>764</b>	<b>464</b>						*YB2VYY	"	43,197	132	121
*EA3IAZ	"	212,796	280	207						*YB2VYY	"	43,197	132	121
*EA3MR	"	59,438	148	113						*YB2VYY	"	43,197	132	121
*EA1AAP	"	33,616	98	88						*YB2VYY	"	43,197	132	121
*EC5AN	<b>3.5</b>	<b>29,584</b>	<b>91</b>	<b>86</b>						*YB2VYY	"	43,197	132	121
			(OP: EA3NO)							*YB2VYY	"	43,197	132	121
			(OP: EC7ZR)							*YB2VYY	"	43,197	132	121
			(OP: EA5U)							*YB2VYY	"	43,197	132	121
			(OP: SM3LIV)							*YB2VYY	"	43,197	132	121
			(OP: SA7LAK)							*YB2VYY	"	43,197	132	121
			(OP: SA6FOL)							*YB2VYY	"	43,197	132	121
			(OP: SM6FZO)							*YB2VYY	"	43,197	132	121
			(OP: SA6CMO)							*YB2VYY	"	43,197	132	121
			(OP: SM5CSS)							*YB2VYY	"	43,197	132	121
			(OP: SM3LIV)							*YB2VYY	"	43,197	132	121
			(OP: SM1TDE)							*YB2VYY	"	43,197	132	121
			(OP: HB9VQQ)							*YB2VYY	"	43,197	132	121
			(OP: UR5MW)							*YB2VYY	"	43,197	132	121
			(OP: PY2MNL)							*YB2VYY	"	43,197	132	121
			(OP: PY5AMF)							*YB2VYY	"	43,197	132	121
			(OP: W0YK)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)							*YB2VYY	"	43,197	132	121
			(OP: W7YAQ)							*YB2VYY	"	43,197	132	121
			(OP: LU3HY)			</								



J42L	Greece	3,939,612	1762	703	*IT9RBW	Sicily	6,652,387	2232	889	*W7VC	A	United States - District 7	29,925	173	105	
HG7T HA3DX	Hungary	5,100,113 3,408,440	2180 1557	779 658	*ED3D	Spain	1,088,481	932	471	*KB7SDM	"	"	18,693	140	93	
IQ4FC IQ2ZY IQ2CJ	Italy	11,821,950 1,477,782 268,660	3440 910 382	1050 522 266	*8S8ØAA	Sweden	1,611,435	1105	515	*KFØADU	A	United States - District Ø	575	24	23	
SP3KRE	Poland	263,568	367	272	*US4EWY	Ukraine	134,860	330	220	*VE6SYD	A	Canada - District 6	15,257	82	73	
OM5M	Slovak Republic	1,448,184	878	498	*PY2RH	Brazil	142,506	274	203	JK1BAB	A	Japan - District 1	864	19	18	
S51A	Slovenia	5,369,270	1965	830	*9M2MAD	A	West Malaysia	2,838	30	22						
SD3T SK6D	Sweden	1,389,342 1,025,440	1135 863	514 442	K9CT WV4P NCØDX KT7E K3CCR	10,810,878 8,950,866 5,701,110 3,709,321 2,022,744	3889 3531 2977 2309 1221	1054 1002 870 737 622		*OK3SN	21	Czech Republic	21,627	92	84	
UW4E	Ukraine	186,960	336	228	CR3DX	22,747,902	5379	1149	M9B	A	England	411,720	510	292	(OP: MØLKW)	
<b>MULTI-OPERATOR SINGLE-TRANSMITTER LOW POWER</b>				<b>AFRICA</b>				<b>EUROPE</b>				<b>EUROPE</b>				
<b>NORTH AMERICA</b>				<b>EUROPE</b>				<b>EUROPE</b>				<b>EUROPE</b>				
<b>United States - District 1</b>				<b>EUROPE</b>				<b>EUROPE</b>				<b>EUROPE</b>				
*NC1CC	1,160,382	861	534	ED1R	12,552,932	3992	1057	*DD5VL	A	286,764	358	276				
*NY6DX	2,084,914	1170	689	DP7D	10,698,840	3292	1017	*DL9DX	"	96,824	221	152				
*WW4LL	3,057,244	1676	718	DQ2C	9,426,468	3019	971	*DK1GP	"	48,789	169	139				
*KA4RRU	2,582,580	1536	645	C37N	4,377,272	2000	719	*DM7HB	"	8,134	55	49				
*WB8SKP	469,880	697	340	LA1ØØK	2,374,344	1572	588	*DO1TLP	"	16	4	4				
*AB7HP	2,773	48	47	*ES5G	993,711	926	417	*DO4ADH	28	435	17	15				
*WØPC	4,410	53	45	*OL7K	331,299	422	281									
<b>NORTH AMERICA</b>				<b>MULTI-OPERATOR MULTI-TRANSMITTER UNITED STATES</b>				<b>FRANCE</b>				<b>Fed. Rep. of Germany</b>				
*HI8SDR	Dominican Republic	81,082	165	142	W3GH	5,389,308	2646	834	*F4ITQ	A	573,447	582	329			
*XE2N	Mexico	1,196	28	26	NW8S	4,555,968	2423	778	*F4IVC	"	129,090	275	195			
*EA8DED	Canary Islands	4,219,306	1635	679	WA3EKL	1,457,376	1016	564	*HA1NR	14	103,626	260	202			
*TA4/OH2KW	Asiatic Turkey	711,722	679	346	NW6P	323,609	557	341	EI6IKB	A	999,440	840	403			
*VU2DED	India	523,050	490	317	JA6ZPR	1,128,190	895	497	IUØPVM	A	762,354	690	369			
*OE7XKJ	Austria	551,403	488	311	*JS1YDX	49,352	176	124	*IUØRBE	A	523,973	546	331			
*E71FDE	Bosnia-Herzegovina	36,668	100	89	9A1A	20,431,824	5300	1168	*1V3IPA	"	366,885	433	263			
*9A7T	Croatia	2,070,852	1012	623	DP9A	13,979,736	4182	1061	*IU3QEU	"	113,022	244	189			
*9A7B	368,626	456	298	DG4UF	4,426,311	1971	771	*IUØRAU	"	3,735	48	45				
*OL1Z	Czech Republic	1,561,377	1030	489	DQ9Y	3,941,613	1584	767	*I/PE4I	A	434	14	14			
*OK1OFM	5,236	47	44	OZ4GM	2,465,528	1382	604	*OM1HMI	A	132,475	249	175				
*ES7A	Estonia	2,279,892	1203	626	<b>MULTI-DISTRIBUTED NORTH AMERICA</b>				<b>EUROPE</b>				<b>Slovak Republic</b>			
*DAØBCC	Fed. Rep. of Germany	2,710,350	1275	634	CJ2X	5,638,320	2371	820	EF5T	A	199,136	277	196			
*DQ4W	2,512,890	1344	615	IQ3ME	5,405,472	2254	822	*ED4J	A	428,496	574	339				
*DM3X	871,794	768	407	DC6O	2,522,919	1327	629									
*IQ2DN	Italy	981,950	780	479	IQ8QX	46,500	184	150								
*LA2L	Norway	76,254	176	142	VK4SN	3,684,765	1700	665								
*SP9ZPS	Poland	435,344	503	299	7E3E	10,304	61	56								
*Z66BCC	Republic of Kosovo	2,048,704	1154	538	<b>OCEANIA</b>				<b>SOUTH AMERICA</b>				<b>Brazil</b>			
*MSØWSG	Scotland	9,792	72	64	<b>ROOKIE NORTH AMERICA</b>				<b>CLASSIC NORTH AMERICA</b>				<b>United States - District 1</b>			
*YU5R	Serbia	383,100	424	300	<b>United States - District 1</b>				<b>United States - District 1</b>				<b>United States - District 1</b>			
*YU7KMN	155,792	298	214	*KC1RET	A	560,986	643	358	NG1M	A	912,120	847	440			
				KD2UBH	A	151,466	350	217	*NG1R	21	545,606	678	418			
				W3FR	A	225,280	386	256	*W1DYJ	A	225,944	392	244			
				KC3TAU	"	174,563	310	94	*AF1R	"	181,440	344	216			
				N3AML	"	32,994	128	94	*N1RDN	"	21,560	105	98			
				*K3AK	A	215,433	411	237	WO2Y	A	60,236	193	148			
				*KN1OLA	"	59,502	183	141	*W2VTV	7	226,380	311	231			
				*KQ4AAR	A	20,910	106	85	*N1M2K	A	94,520	214	170			
				W9DCT	A	1,008,807	898	489	*K3WHD	"	56,330	179	131			
				*K15RQG	A	89,000	304	178	*K2DD	"	31,624	148	118			
				*K15QPY	"	19,012	122	97	*W2YK	"	8,410	66	58			
				<b>United States - District 5</b>				<b>United States - District 3</b>				<b>United States - District 2</b>				
				KO6M	A	97,152	334	184	W3LL	7	1,777,937	859	498			
				*NN6U	A	32,592	143	112	4U1WB	A	431,892	776	372			
				*KN6SID	"	22,338	165	102	K3AU	"	173,706	333	221			
				<b>United States - District 6</b>				<b>United States - District 6</b>				<b>United States - District 6</b>				
				N3BD	"	141,400	340	202								
				N3DUE	"	123,656	254	164								
				*KC3SDJ	A	134,521	297	193								











*CR50	A	Portugal	2,614,108	1594	623	*EE5O	"	116,820	219	180
*CT1BXT	"		607,560	548	(OP: CT7AJL)	366	*EA2CCG	"	62,133	195
							*EF5U	21	37,698	149
										122
YO4NF	A	Romania	1,903,356	1140	546	*EA3OH	28	8,732	61	59
YO3RU	"		1,311,987	987	489	*EA5LN	A	4,408	41	38
YO2DFA	"		184,005	295	235	*EA4U	A	57,822	169	138
*YO9CWY	A		123,830	283	203					
MM9I	A	Scotland	3,337,873	1480	737	SM6MVE	A	Sweden	283,484	399
				(OP: GMØOPS)		*SE4E	A	619,993	646	262
										359
										(OP: SM4DQE)
*YT2U	A	Serbia	594,980	564	355	*SE6K	"	613,700	672	340
*YT5W	7		514,800	455	300					(OP: SM6FZO)
										498
										83
										(OP: SM1TDE)
*YU3A	28		128,077	248	211					
*YT1BX	14		100,667	256	197					
*YU3EDI	A		10,260	55	54	*UZ1WW	A	Ukraine	1,485,200	1013
*YU7OM	28		3,990	26	24	*UW1WU	"	497,660	511	470
IT9SSI	A	Sicily	47,291	160	131					
*IT9RZU	28		315,576	402	324	*MW9W	A	Wales	1,669,393	1063
										517
										(OP: GWØKRL)
OM7KW	A	Slovak Republic	145,314	249	207					
*OM8JP	14		97,152	251	192	*VJ3O	14	OCEANIA	Australia	27,260
										111
										94
										(OP: VK3TX)
S5ØRY	A	Slovenia	1,303,447	841	449	KH6TU	A	Hawaii	148,520	272
					(OP: S53K)					188
*S52W	A		647,514	582	378	*KH6CJJ	A	806,465	761	341
*S57ZT	7		345,092	343	242					(OP: AD6E)
*S57SWR	A		317,440	404	256					
*S51MM	"		56,870	161	121					
*S5ØSL	"		12,432	60	56	YC2BST	21	Indonesia	24,932	106
						YCØRFS	A	940	21	92
										20
										(OP: YDØRFS)
EA1B	14	Spain	898,986	813	514	*YB9ELS	A	449,280	524	320
EA4FME	A		422,808	520	316	*YB2ECG	"	109,536	256	168
*EF7N	A		2,716,049	1491	661	*YC1RYX	7	1,326	17	17
						*YB1PEF	A	20,254	113	82
*ED7Z	"		1,018,104	871	472					
*EA4BAS	"		1,016,232	726	552	ZL4NR	A	New Zealand	34,680	124
*EA2ESB	"		674,856	588	364	*ZL3VZ	A	149,553	249	102
										191

SOUTH AMERICA

*5W1SA	7	Samoa	1,008	14	14
LU1BJW	A	Argentina	350,594	419	307
LU6ETB	"		149,940	263	196
ZW2N	A	Brazil	3,030,035	1467	691
				(OP: PY2MNL)	365
PY4EK	"		630,720	613	45
PY3TR	"		3,010	45	43
PY3LX	28		2,349	21	21
*ZX2V	A		370,880	453	304
				(OP: PY2XV)	120
*PP5FZ	28		47,875	148	88
*PP5ARF	A		19,624	95	88
				(OP: PP5TI)	29
*PU7ASP	21		5,265	29	27
*PY2VZ	28		5,060	46	44
*ZV2F	A		4,515	51	43
				(OP: PY2SFA)	

CHILE

*CB8E	A	Chile	278,133	389	249
				(OP: CE8EIO)	194
*CB3R	28		131,726	241	

YOUTH

*KC1GDW	A	United States - District 1	15,939	99	77
*K5TRP	A	United States - District 5	224,264	399	289

ASIA

*BD4VGZ	A	China	726,652	673	389
*BH2SWB	"		57,771	175	131
*JQ7AXT	A	Japan - District 7	31,200	107	96

EUROPE

OE9SEV	A	Austria	34,485	104	95
*E70AW	A	Bosnia-Herzegovina	24,236	94	83
*RX6N	28	European Russia - District 6	4,116	48	45
DM7XX	A	Fed. Rep. of Germany	4,571,248	1712	836
*DJ4MX	A		1,605,065	886	605
*DK1YH	"		124,898	290	197
*DQ5M	"		47,994	146	114
				(OP: DK6SP)	51
*DK6SP	"		9,129	59	
*EI8KW	A	Ireland	67,850	162	115
IU1LCU	A	Italy	1,190,601	792	503
*SQ8L	A	Poland	4,853	39	33
*SP9DLS	"		1,914	36	33
*YO8OLY	14	Romania	40	4	4
*EA2ESK	A	Spain	68,134	190	163

OCEANIA

*YD2UWF	A	Indonesia	7,540	54	52
*YD3CZV	28		666	11	11

Check Logs

7N4WPY, AAØAJ, AB5XM, BA4VE, BH4QBV, BU2BO, CO2AME, DF6QE, DJ6YX, DK8RE, DLØCK, DL1ET, DL2GMI, DL3FBB, DL6RG, DL7AOJ, EA1AKS, EA3CS, EA4KD, EA4WC, EA5HJO, EA5R, EA7HAB, EA7TG, EB1ADD, EB1DMQ, ED3E, EF1C, E14KF, EXØDX, F/E72T, F4AIF, F6AGM, HA1YI, HA3HX, HA3IC, HA3MGA, HB9EP, HJ3SUA, I1HNU, I2GPT, IK1YDB, IK2SAU, IW1RLC, IW2DMO, IZØKBR, IZ5NFD, JF1UOW, JR6QFV, JS1IFK, K2MK, K6OK, K9ZXO, KB9JJA, KFØAIT, KG7MYX, KU5B, LY2BAA, LZ1JZ, LZ1QV, LZ1YF, LZ1YR, M1SDH, M4N, NØVT, N6FUB, N7IW, N9IVO, OH2JLN, OH8NW, OK1FAK, OK1FRD, OK1VVT, OK2NMA, OK2SG, OK2WMC, OM1BD, OM2FY, OM4O, P3AA, PU4YJS, PY8ZW, R3WA, RT6N, RV1OO, S51DX, S52WW, S59T, SM3PZG, SP4W, SP5GDY, SP5OXJ, SP6CES, SQ4NR, SV1DPI, SV1EMV, SV1GRB, SV3DCX, SV4FLL, SV9FBG, SZ7SER, TF3IRA, UC8U, UR5MW, UR5WCW, UT4LW, VA3WEB, VE3GMZ, W3SA, W6DGE, WA3FRP, WA7YZ, WK9M, WV8A, WW3S, XE1H, YB1BX, YB4ECU, YC3GFN, YD9ABC, YG2BDN, YO4NA, YU4VBX, YU7OPQ, Z32U

## Looking Ahead in CQ

Here are some of the articles we're working on for upcoming issues of CQ:

- My \$20 Transmitter
- The DK6ED Double Loop V3
- A Foxhunt in India

### Plus...

- Results: 2023 CQ WW 160-Meter Contest
- The World's Great Literature ... in Morse Code!

Do you have a hobby radio story to tell? A new circuit you've designed? An operating adventure? CQ covers the entire radio hobby. See our writers' guidelines on the CQ website at <<http://bit.ly/2qBF0dU>>.

# Amateur Radio Roundtable

## 'Bringing Ham Radio to You'

Tuesdays at 8:00 PM CT [youtube.com/w5kub](https://www.youtube.com/watch?v=w5kub)

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Also on Shortwave WBCQ on 7490 KHz

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Alan W2AEW



Katie WY7YL



Tom W5KUB



Glen KW5GP