

ARRL DXCC - 160 Meters

The ARRL DXCC is awarded to amateurs who submit confirmations for contacts with 100 or more entities on the ARRL DXCC List. As of 14 May 2025, there were 340 current entities on the list. The DXCC Honor Roll includes those who are within 9 entities of that figure for the Mixed, Phone, CW and RTTY awards. The following listing of the DXCC membership contains the call signs and exact credited totals by endorsement level. Awards are NOT activated automatically; participants must apply to have a particular award (band, mode etc) activated when the qualifying number of credits is obtained. "Inactive" members (whose most recent DXCC application was before 1994-01-01 and who are not a current ARRL member) are shown in gray.

See the [ARRL DXCC FAQ](#) for details.

344 W8LRL	328 R4GM UA4CC	317 W3LPL	RZ3AM SP2FAX	304 CT1EEB DJ0MDR SM3GSK	N1BUG OE1WEU SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	316 W2VO	310 I4AVG KJ9I RA3CQ SM5BFJ SM6CVX	303 F5LGE GM0GAV JA1BK JA4LKB K1UO RU3DX YU1FW	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ SM5CEU
340 K1ZM	324 K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA K5RK N1DG OH3SR S50U W1JR	309 W5IZ		
339 W4DR W4ZV		314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM3YTS	297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS
335 OH2BU	323 EY8MM SP5EWY	313 GM3POI OE3GCU OG2M OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK SV8JE	296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ
334 N4WW	322 UX0UN W3UR	312 OH1MA S54E	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR VA3EF	295 K3UA SV8CS
333 R7LV	321 WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA RA7A	305 JA7NI K4ZW N4IS NN4T UA6A		294 DL1AMQ JH2FXK LA5HE RJ3AA
332 UR0MC	320 K8MFO SM4HCM W8UVZ				
331 K5UR LZ2DF	319 N0XA SM4CAN				
330 AA1K HA0DU OH1XX UT7QF					
329 K3UL UA4HBW	318 4X4DK UT5UGR W9ZR			299 JA4DND K4TEA	

WD5COV	G3XTT N2QT RK4FD VA3DX W4PK	S59Z W4TO	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD	259 DF4PL F6GCP G3ZSS I1FQH R9FM
293 N0TB S58T		280 EA6NB SP6HEQ YO3APJ	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA4V AA6YQ AA7A K4XP RW0LT SV8BHN YO5BRZ	258 KW9A N2NL N5KD RN3CT VE3QAA
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN UA6MF			257 K1GUN N8TR W9YSX
291 9A7V IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	285 G4CCZ HB9BGV UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU CT1EKY DL1DUL DL2OE OH1LEU SP6CIK	264 IK2YCW K7ZV W1GL	256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF
290 UA3AKO	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP	255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI
289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW OK1AWZ VE2TZT	270 AA1V JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA KR9U W1YY	254 N0AT OM3DX WA4FFW
288 PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	282 DL1YD I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU SP5CJQ SP6AEG UW2ZM	269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S SP5DIR	253 5B4AGN AA1QD K5ESW S58Q UA1OMS W0YG
287 CT1APE DL1RWN	281 DF2PY HB9BIN JA2PJC K1CP NJ6P	267 LU8DPM RZ3DX		260 EA5BM K1LT K4DY	

252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ 245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY 244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ 243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G 242 EA4KD KG7H 241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX	VE3NH 240 G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA 239 JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK SV8CKM 238 DL8WN EA6ET IK0XEZ JA0DAI K1DG RA0FF VO1HP W3LL 237 DL7MAE NI0G OM4EX UR5EDX 236 AB4I AC4G K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK YO9HP	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN WA7NS 234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR NV9L PY1BVY S51DI 233 K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO 232 DJ5FI JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP 231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	230 DF6PB FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ WA7NB 229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T 228 AF9H AI0O E72A EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ 227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF WB6RSE 226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ	VE6WZ W0VTT 225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW 224 DL5WW IZ1LBG MM0EAX N0AV N8BM* SP5INQ VK6VZ W2RQ 223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX 222 IV3JVJ K3SV K6EID K8ZTT N5AW N8PR N9BX SM0CCM SP7GAQ 221 JA2WYN K4MWB K8FH
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K8SIX N6VR W1ZK W6JRY WS6X	N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	UY0ZG W0DD W0MHK W1NT W2IRT W3GG
220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	206 IK0IOL JA3PIS K2VV K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW	202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR WA2HZO ZL3IX	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO N4DW W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP JF3KON LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA OK1DX RN7G W4NL	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA W8UN WB8ZRL		198 DL1ROJ G3UJE G4BUE IT9JNR KB8VAO RX3APM W8HB
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO KV7K UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA LA7JO NA2M* RU4SO W0LYI W1FJ W2WG W3YY	209 DL5CF DL9MRF EA1RT EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K3LR K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP N4QS W5TCX	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS
217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ		200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US K9YY LA5YJ RW4NN RW7M	196 4Z4DX AA4HP IK4PLW IZ8FWN JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO RZ4FO
216 JA6LCJ JA9PPC K5EJ			203 JA2XYO		

W2FCR W4UM	JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG N4DB OH2IS W3UA W3YQ W8LGJ	N8LJ RM0F W6SR W8JV WA3C WA6YEE	183 CT3MD IT9INO K4CN K8VC N9MB NN2L ON6SAS W2FP W8NW	N2PK OK1MG S57UN SM4DDE SV3FUP W8KEN	JS3CTQ K4DLI K5GKC N7IR N7XR PE1L SP1MGM TF3SG VE3FF WX0V
195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	191 JA1ANR K0JGH K8FC K9LA RK2FWA	187 AJ1H K0SR K6SRZ KN5O N2NS OK1CZ SM0NJO W7AWA	182 DJ9ON DK3UA HK3W JA1SHE K8RRT UR3EO W1YM	178 4Z5CX EA3CJ JA4MRL K2UR LA0FA NE0U SM7DLK SV1JG W6NWS W7MEM ZS1LS	174 4Z5MU JA0GJJ JA1PPW JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K0TT K1KI K2KA K3AJ K4TR K4WS N1EN OE1WHC RN7F UA3LNM W8UV W8VVG WT8C
194 K4KDX K9JF KB9LIE KC9ARR LA7AFA W2LO W4FC W9OO WD8JJA WN6W	190 IZ8XQC JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH NE1B SP2LNW VE7VV WE9R XE2X	186 9A8A IK2QPR JA8DNV K0BJ K3PA K7LAY YL2TW	181 DK3WW JA3ENN JN4MMO K2EP LZ2ZG N3OC VE3OSZ W9AJ	177 9H1SP AE5E CT1GFK IK4ADE K3WC K9NU SM6DHU W2OR W5LT W7FI WB7B	
193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC K4ODL N5LZ N9EN PA0LOU RN1ON SM7GIB UA0CA W9MU WA2VYA	189 9A2F EA8PP FM5CD JA0VSH SP7HOV UA7T	185 AB6QM CT1EAV EA6BF G3KWK IK3SWB JA2LCP K5ZD LA3WAA N4TJ N5UR OE2BZL SP3FAR SV1DPI UA9CBO	180 DM2DXA DM3VL EA8JF JA2BDR JE2URF K6SSS K7BG LA9AJA N1RR N4AH ON5FP UT2UB W1RM W7BEM W8TN	176 EU1AB I6FLD JA0DET JA5IU JA6BJV JA8KSF JL1SAM K8MN N5OK OK1DWC RL3FA SM5FUG W4BP W4GD YO7NE	173 5B4ALJ I1JQJ JA9TWN K1NTR K4XR K9YC KA1J N5FG PY5EW W8HC
192 9A2NA CT1IUA JA7JWF	188 AA1ON AB4IQ CT1FMX JA1KQX K0BBC KB0EO KB1EFS KE9ET KL0S	184 HA5WA I2AOX JA2ZL JF1NZW K4HGX K5KLA KB4ET S57AC US8UA W2YJ	179 CT1FPQ IT9ELD IW0SAF JR7BDQ K8WK	175 JA1CHN JA9NLE	172 EA7TV G0BLB G3NKC IZ5MOQ JA3FGJ JG0CQK

JG3IWL K0DEQ K1BD K6FG KJ0M W3JX W4FQT WC4X	W7YAQ WA9PIE WB3JFS 168 G3MXJ IK2EGL JE7JDL JF2UPM K5QY K8RYU KR4F N4QQ N8BJQ PA7F SP5GH W4SVO W6VX W8OI WA0MHJ WA5YNB	K4ZUY OH2BLD RM3DA W0DJC W1RR W8ILC WA8TXT 165 DL7UCX F6HDH I2ZGC IK0AGU JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN	9A4W F3AT JA6GIJ JR5JAQ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ 161 DK2GZ DL6RAI HB9DHK HB9TKS JA1DOF JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW	K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT 158 DJ4PT DL1FKA IT9DSZ JA9APS JH1TWT JI1FXS JI1NJC JR1GJP K5TT K9GA OZ1HX RU6M SM4EMO W0SZ W1OX W2XL W3GQ W4QN 157 AA4H AC6DD DL6MRS EA5BY G3TQZ G4GIR JA1GHH JE2DZC JH2QMT JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ YV2IF 156 AB9V DL4MM IZ8IEV	JO7HAM K0QC K8YSE KS1J N3RC N3UA N7WS OE5RLM UA3SAQ VA3LX W1YIF W4TV 155 DL1RK DL4SZB JE3GRQ K2LS K4RG K4WA NE0DX NW7E SM6VR WE1P ZS6EZ 154 3V8SF GM3PPE HB9BUN JA8NFV JR3OEH K0KVR NX8Y W1NA W2XI W5DNT WB0TEV WS7L YS1RR 153 AA6AA AJ9C DL3ZA G3TJW HL2CFY JF1IRW JR9OPJ K7SP K8VFX KR2Q N4TV
171 AA9D DL6KR G0EHO HA9PP JA6HUG JR1TNE K1NU LA5LJA N0RN N4OGW N7RO N9RC RA3DNC SV1LK UN9L	K5QY K8RYU KR4F N4QQ N8BJQ PA7F SP5GH W4SVO W6VX W8OI WA0MHJ WA5YNB 167 DK5AD EC3A EI6FR JA6VQA K4XD K6KO K8NK K9MBQ N0IJ N3BNA PA3C RA1AOB RN9N S51EC VE6WQ W1YW WA4LOX WC5N	DL7UCX F6HDH I2ZGC IK0AGU JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN 164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG SV2AEL W4DKS W4NS* 163 9A2JK DJ9HX JE2LUN K7NN K8TL UR4CWQ VE3CFK W7AL WW3S 162 4O3A	DK2GZ DL6RAI HB9DHK HB9TKS JA1DOF JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW 160 AD5Q DK1WB DL1DA IK0FUX IW2FND IZ4DPV JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B 159 JA4FKX JH6QFJ	W0HT W0TT W1LW W8WEJ 161 DK2GZ DL6RAI HB9DHK HB9TKS JA1DOF JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW 160 AD5Q DK1WB DL1DA IK0FUX IW2FND IZ4DPV JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B 159 JA4FKX JH6QFJ	W0HT W0TT W1LW W8WEJ 161 DK2GZ DL6RAI HB9DHK HB9TKS JA1DOF JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW 160 AD5Q DK1WB DL1DA IK0FUX IW2FND IZ4DPV JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B 159 JA4FKX JH6QFJ
169 IK0PEA JA1ADT JE2LPC JR1IZM K1LI N4XX N7US UT8MM UY5AA W6RW	166 4Z1UF DJ4SO HB9FMN IV3TDM JA1FNA JA9LJS K1KA K3KY K4JLD K4PB	DL7UCX F6HDH I2ZGC IK0AGU JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN 164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG SV2AEL W4DKS W4NS* 163 9A2JK DJ9HX JE2LUN K7NN K8TL UR4CWQ VE3CFK W7AL WW3S 162 4O3A	DK2GZ DL6RAI HB9DHK HB9TKS JA1DOF JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW 160 AD5Q DK1WB DL1DA IK0FUX IW2FND IZ4DPV JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B 159 JA4FKX JH6QFJ	W0HT W0TT W1LW W8WEJ 161 DK2GZ DL6RAI HB9DHK HB9TKS JA1DOF JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW 160 AD5Q DK1WB DL1DA IK0FUX IW2FND IZ4DPV JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B 159 JA4FKX JH6QFJ	W0HT W0TT W1LW W8WEJ 161 DK2GZ DL6RAI HB9DHK HB9TKS JA1DOF JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW 160 AD5Q DK1WB DL1DA IK0FUX IW2FND IZ4DPV JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B 159 JA4FKX JH6QFJ

N5TW	150	W5FKX	144	N7QT	YL2MU
N8II	EA1AF	W9JJB	CU3EQ	NA4D	YO9FNP
R9OK	IV3RAV		DL5CW	NQ7R	
SM6CLU	JA2NQG	147	DL5KUA	NY2NY	139
SP5CCC	K0RS	EA3GP	E70T	OK1DO	DF7EE
UT5UY	K5TR	F5PAC	EI6IZ	W2OO	DJ4XA
WB8BPU	K7LV	IV3VBM	GM3ITN	W5LUA	DL5EBE
	K8AJS	JA1XQC	HB9BYQ	W5VQ	DL8OH
152	KD0PO	K7HP	I5MXX	WA5POK	JA1TMG
EW2A	KU4XO	K8UT	IT9GSF	WB8CQV	JH0BQX
HB0CC	N3QE	KM1H	IV3DXW		J1DCW
JT1CO	N9CO	N1IBM	IZ4GWE	141	K3ANS
KQ4AV	OE8SPW	PC3T	JA3GN	AC9S	K6AM
KS3F	SQ5EBM	W1OP	JE1FQV	DL5MHQ	K8GI
N9OY	SV1CNS	W2KKZ	K0VSH	EW1BA	K8RF
S55ZZ	UA6YW		N1IX	HB9FMT	KA8SYV
UA6IGI	W6DAO	146	N3KK	JA1PTJ	KU0A
UN7LZ	W7CT	EU4A	SM4OLL	JA2ATE	LA8WG
UT5AB	WW2DX	G4FTC	SM5CLE	JA9RRH	OK1MP*
VE6LB		JA1HQG	W4GE	JH1HHC	OK2QA
W1SKU	149	JA4DHN	W5ADD	JL1UXH	SM5CBM
W1VT	DL7CX	JA5XAE	W7ZI	K2RW	SV8ZC
W6RLL	HB9HFN	JH1GNU	W8RLS	N8OC	W0SD
W7AJ	IK4FNF	K1CA	WC5M	NJ3K	WA8WV
WB3CQM	JA1SVP	K5KV	WD5T	OE6VIE	
	JL1ARF	K5SM	YO3CD	SV3FUO	138
151	K3RA	K6NR		W2CG	DK8MCT
AA7G	K3TN	K7WP	143	W3BW	DK8YY
CU2AP	K4YYL	N7BT	DL1DUO	W4JVN	EI9FBB
DK2OY	K8ME	RU0SN	DL6EN	W4VIC	F6DDR
EI9JF	K8ROX	W1IZL	HS0ZEE	W4WT	IK8EPC
F3SG	K9MK	W1ZT	K7CMZ	W8HW	JA3OOK
HB9SLO	R8TX		K7CW	ZS1C	JF3LOP
IZ3ENH	SM6CUK	145	KJ9C		JH7RXU
JA2VQF	UW7UA	AF4HX	N2RJ	140	K1RO
JA6BEE	W0GG	HI3T	N2WM	9A1CAL	K2RET
JH1NYM	W2/CT1GIF	I0JBL	N5UW	DF2RG	KJ6P
JR1XIS	W7HPW	JE6TSP	N6PAT	JR2LJO	LB5WB
K2AX	WB8B	JJ3HGJ	NN4R	K5WK	ON6AA
K2FW	WD5K	JK1AJX	W0IZ	K6KLY	OZ8X
N5JB	WS5W	JN1BMX	W6QUV	KF8DX	RW4CY
OK1ATP	YO3DDZ	K1OA	WB8ZRV	N4XP	UN7JID
RD3A		K3VAT	WD9DZV	N6PSE	V51B
RU3A	148	K4OY		OH6NIO	W1GD
S54A	CT1FCX	K8BL	142	ON7DR	W2YE
SP7AWG	DK2CC	KF6HI	I5HOR	UN1L	W4YV
SV9AHZ	F5CQ	N1CGP	IT9BLB	VE6SV	W7OM
W7RH	F5LVL	N4GG	JR7WFC	W0SEI	
WA1Z	JH1QDB	N5XZ	K3PP	W4NU	137
WA2BCK	K5VWW	NA5C	K4WZ	W7IV	DS1JFY
WP4G	LA6OP	RT0F	KK1W	W8GNM	EA1YO
	N2WB	SM3DTR	LA9VFA	W8LWU	GM3YOR
	NE3F		MM0SAJ	WO2T	IZ0RVI

IZ2FOS	SM5CZK	132	130	K3XA	JA7KY
JA3APU	SP3XR	AA4NC	DF9ZW	K4JAF	JH3CUL
JA4OK	W1DIG	AB9M	E73M	K4SE	JJ1DWT
JH4JNG	W1EQ	AD6W	EI2JD	K6LPO	JN1RQV
K2QMF	W2GD	IT9RDG	G7VJR	KG7CW	K2ZD
K6EME	W4BUW	JA2KVD	HK0HEU	N5KM	K4JKB
K8NS	W4MBD	JA6CBG	JA2FBC	OH1ZK	K4XU
LA9GX	W4RFZ	JR6FC	JG1DUZ	OZ1IKY	LB7ZG
RA3CO	W6JTI	K6YUI	K2MYR	R9SG	N8NA
RG7G	WE4S	K9ZM	K6SIK	S53X	OK3CQD
UU1JA		N6HY	K7LFY	S55DX	PA3EWP
W1ITU	134	ON4CAS	K8BCK	SM3GQP	PA5TT
W5ODD	CT3HF	OZ2RH	K9GL	SV3DCX	VE3CX
WB5JID	IK4DCS	SM4BZH	NA4EA	VQ9LA	VE7BV
	JA7LGE	SM6BGG	NO9E	W2WC	W8MK
136	K1TO	SP6M	OZ2ABI	W4IS	W8REW
E72U	K3OX	VE3CRG	R3VA	W6RKC	W9ILY
ER0FEO	KX4TT	W4AXL	R5QA	ZS1A	WB0O
HB9IQB	N9MR*	W4RBO	R9AB	ZS6UT	WB2REM
HB9RYZ	N9RS	W4WM	RU1AO		WD4LBR
IK8CNT	NA5DX	W5SL	SP6JIU	127	XE1KK
JH4HMG	OE1TKW	W6DR	TA1CM	CT3KN	YU1EXY
K0TV	PY5HOT	W7AH	VE3DO	HK1MW	
K4ZO	RG6G	W7CD	W2MPK	JA1DDH	125
K7TM	RX4HW	W9FR	W9ZT	JA1WLO	9A1AD
KR6C	SM0BYD	WB3D		JA8RJE	AG1A
N2ZN	UA0ACG	XE2S	129	JA9KRO	GW3TMP
OK1DW	W4JKC		HA1RB	JH3AIU	HK4SAN
SM5OJH	YU1AM	131	HB9AZZ	JS2LHI	IK5DNF
SP2BMX		DK7YY	JA1NWD	K0RW	JA4IYL
UT3UZ	133	G3UHU	JA8JO	K3TRM	JA6VU
UW8SM	9K2NO	HS1NGR	J14POR	KM3T	JE1TSD
W2OIB	EU1U	IV3KFB	K3NK	KM4NS	JE6UWU
WB7QXU	HB9CQK	JA0AOO	K4TT	N1AC	JF2WXS
	IZ8DFO	JA2TBS	K6XM	N1GC	JH4ADK
135	JA7GLB	JJ1TEA	N0YY	OE8HIK	JL1RUC
5B4MF	JA9AGN	JM1FHL	N3KS	S51NM	K1HAP
DJ9ZB	JR7FRW	K1UU	N3RR	SK7AX	K5KG
F6FXU	K1ZN	K5VIP	PY5EG	SP6A	K8DV
IK8GYS	K2CDJ	KC2LSD	W0YVA	SP7ASZ	KA6BIM
IU0HDC	KS4YT	KH2L	W7QHE	W0CP	KI4WCQ
JA7LMZ	KU2A	KM3V	W8MET	W0RT	LZ1XL
JA8BNP	OE1KM	KM4H		W1OPD	N2KA
JA8JL	RA5BM	N3MK	128	W3BG	N3EN
K1ZE	RV4LC	N4QWZ	AA4SC	W3MF	N4JT
K4ZRJ	SV5DKL	N5PHT	DM2RM		N9RD
K7FL	UQ2PZ	N6RK	IT9ZZO	126	ND5S
K7XB	VE3WT	ON4ON	JA2AHH	DJ8WD	NW6S
NZ9R	W0NFL	R0SR	JA2KSP	DL9FCY	OE1AZS
OH1JP	W2QO	R9MJ	JA9AA	F8BPN	OE3SGU
R7LP	W5AJ	R9SA	JE1LFX	G4IUF	RA0BA
RN3RQ		W8DCH	JH4GJR	IZ7EVZ	UU7JM
SM3LGO			K0FF	JA1XCZ	VE3UTT

W5DAW	W1AO	W9XX	EW4M	VK4CAG	IT9TQH
W8LMG	W4NF	W9YE	G4DJJ	W1KSZ	IV3HYD
W9CG*	W8NJR	WA1PMA	HB9AAQ	W4DAO	JA1WTI
YO2RR	WB8K	WY1G	HB9BCI	W4NJ	K1DC
	WV4TN	XE1VIC	I2TZK	W5JMW	K1RI
	XE1H		I4MKN	W9FI	KT1V
124		120	IU0LFQ	YO4AUL	KV1J
AA7XT		9A5F	JA3AZD		NA9Q
IK3VBB	122	AC9EM	JA4XGC	117	PA0JSE
J11DHY	BA4RF	AL7TC	JE2JMV	9Y4VU	RV3ID
KD4POJ	G3NDC	DL2VWR	JH6CDI	AE0P	TZ4AM
NA2U	JA1MRM	EI2GLB	K5UZ	BH4IGO	UA4PCM
PA0TCA	JH1AGU	FG5FR	K7EG	DL1DWT	W1ENE
UA0BA	K1ESE	HB9BLQ	K8KWT	IT9AAI	W1WEF
VA7CRZ	K1YT	IZ0LKV	K9SG	IT9DAA	W7GG
VE1DUN	K2MP	IZ5NFD	N0KV	JA1HQT	W7OEV
W2JU	K7ZA	JR3UIC	N8PW	JA4FM	W8LRO
W2RIJ	KR0P	JR6LLN	N9UA	JA7GYP	WP3R
W3FM	LA7WCA	K2BA	NT2A	JA7IC	WQ5L
W6CYX	LA8PT	K2HK	NY7T	JM3GXU	
	N9AW	K3QIA	OH5NG	JR2UBS	115
123	NN7X	K5JC	OK1DT	K1BZ	AA5JF
AB1OC	OZ3Y	K6FW	R6FFB	K2BB	C6AGU
AC4TO	RD4A	KA8ZPE	SV1ACK	K6PJ	CU2CE
DL7JRD	UU4JMG	N3NR	W0RX	K8OOK	DL9GOA
F4GTB	VE6AX	N4BAF	W4HZ	K8QM	G4XEE
G4WFQ	W2TB	N4LR	W8FIB	N2BJ	G8BCG
G5LP	WA3I	N4TB	XE1RCS	N4IR	G8DX
HB0WR	WA7BNG	N4TL		N6MB	HA5UK
IK2CHZ		N4UFP	118	N8AA	HK3PJ
IK3XJP	121	OE3EVA	5T5PA	N8XI	IZ7JVR
JA0CRG	AA6RR	OZ2A	AB2E	NY4G	JA2KNW
JA1SJV	DF1DB	PZ5RA	DL5OCE	SM7BIC	JA3NHL
JA3MHA	DK1EI	RL3BZ	JA4FHE	SP8HKT	JA5FDJ
JA6WJL	DK6CQ	SP7ITB	J18DGO	UA6J	JG3LGD
JK1EXO	HB9DHG	SV1IW	K3FRK	UB3A	JH1RFM
JR1EBE	IK2SGB	UR5IKN	K3WGR	UR9IDX	K0GD
K2PK	JA2HYD	UR9QQ	K4CNW	US1CT	K0SD
K3XO	J14WAO	US0YA	K7PI	VE3YF	K4CMS
K4ZIN	KD8RQE	W2YR	K8LN	W4ZRZ	K4GHS
K5GH	KG9Z	W3OA	K8WVA	W6SL	K4GK
K7UT	N0OK	W4PRO	K9DR	W8ZR	K5XM
K9CS	N1JP	W6RFL	KD2T	WA2USA	K8YTO
KV4T	N3ND	W7RN	KD6UO	WC2K	KO8SCA
N2ED	N6HC	WT4Q	KG8CW		LY4T
N4DWK	SV1AHX	ZL4AS	KV4AA	116	N0IRM
N6MZ	UQ1GWW		LZ2HM	AA8CH	N4OA
N9JV	UT4EO	119	N2MM	AJ4F	N5BO
N9LQ	UU2JQ	AA3AZ	N4DJ	DL7URH	N8KOL
NA2P	VA3AYA	AA4DD	PY2PA	EA5BRE	PA3AXU
NA9RB	W0QQ	AE3T	RN3TT	HA7PF	RZ6MJ
S50B	W2GG	AJ4A	SV9COL	IK0EIE	UA1ANA
UA3DK	W3RJW	DK3GG	TA2RC	IK2OHG	UA1CGS
UT3QU	W6XI				

UA6XT	JA4ITW	HB9CRV	G3PLP	IZ0CKJ	K6MW
UN6T	JH1ORA	HB9EFK	G4DBN	JA7EPO	KE1F
W4UCK	JH3GCN	HB9G	HL3GOB	JE2UFF	KZ5DX
YL2CZ	K0TPP	IK2ANI	JA1AUD	JH1VHU	N1BZ
114	K2HAT	IU8FRE	JA1FGB	K1EO	N2WLG
BA4DW	K8SL	IZ4DIW	JA1NCZ	K2BLA	N7TY
BA7IO	K9FN	JA1SXR	JE2EHP	K3JRR	N8NN
CT3FN	K9GWH	JA4BXL	JE8TGI	K3PH	ND4V
CU3AK	KA4RRU	JA7BXS	JF2WGN	K4WW	NN4RR
DL6NB	KH6DX	JR7TEQ	K5WAF	K6MI	NU4I
F6CWA	KI0G	K0JPL	K7ORK	K6VKO	NX7U
G3SDL	KT1J	K1EDG	K9AJ	KB4MRX	PY5CC
HP3TA	N7KO	K1KO	KM1R	KC2STA	RW4UU
I5OYY	N9ISN	K4UAS	KZ0X	LZ1PM	RW9QA
IK7YZG	NA3F	K8CC	LA0CX	N2CG	RX3AGD
IW0HEX	NG0G	KB2FCV	N4WJ	N3HBX	TG9NX
JA4KDT	NI5F	KI4DLS	N7BD	N3IQ	UB5ZAL
JA5WIZ	NK5B	KM1C	N9HF	N3JB	UT7KF
JH6WMJ	ON5UE	LA8HGA	NA1DX	N4KE	VU2CPL
K1RV	R7NA	N5ZC	UR6QA	NC6K	W5WP
K2DC	RA4UN	N6MA	UT1UY	NK7C	WB5TUF
K3MD	RZ3AUL	N6PE	VE6KC	NY4I	WN0L
K3NF	SM5ARL	RU4SU	VE7CT	OZ1LCG	YV3AGT
K3OSX	SP3EPG	SM3DMP	VE7UF	RD9M	108
K5CD	SV1FKZ	UA1ACG	W0VHF	SM5BHW	AI2Q
K5RJ	SV1JFV	UA1CEI	W1FO	SP9WZS	AL7R
KB8U	SV2AVP	UT6UD	W3FOX	SV1VS	DL6CNG
KZ4V	UN7TW	VE7XF	W4HOG	UA3O	ER1LW
N1QY	VE3KI	W1HEO	W4OX	US7MM	G3VAO
N2JJ	W2GW	W2CVW	W5AQ	W0UY	HB9BAT
N3MN	W6BK	W2SKI	W7VS	W3XY	HB9FAN
N4IQ	W8FAX	W3MR	W8KA	W4DC	IK0PRG
NU8Z	W9DX	W3UL	W8MIL	W4NE	IZ0BTV
UA3FT	W9HBH	W4VHF	W9RB	W5ZPA	IZ2EWR
W0VX	W9VNE	W5VX	WA2BOT	W6KK	JA2MOG
W4TUN	WA4DOU	W6TC	WA2MUA	WL7E	JJ2PIK
W5VY	WB2HJV	W8GEX	WB4TDH	XE1FAS	JK1MZT
WA1FCN	WB2UFF	W8HMK	WB9EEE	YU7AU	K1EP
WA8MCD	WS4C	W9SE	YL3DQ	ZL3NW	K1XM
WA9YYY	WX3P	WA8OLN	YO6HOY	109	K2CJ
WN9O	XE1RBV	WT9U	110	DF1KG	K2KQ
XE3ARV	ZL1BYZ	ZP6CW	BA4MY	EA3GHZ	K2MK
113	112	111	DG7RO	EU4T	K4WY
9A1A	A92IO	AA4U	DL1VDL	F8EZE	K4YJ
DJ5DT	DJ1RL	AB4GE	EA5BYP	G3SVD	K6UT
DJ9RR	DK5RL	AF4OX	F5BAR	J68HZ	K8OM
DL8CM	DL5CL	CU3AN	G3LNS	JA2CXF	KM8AM
DL8DYL	EA1JO	DK2WH	G8AJM	K2ONP	KN4JX
G4AFJ	EI8IU	DK6ED	HC1BI	K4RDU	LU2DKT
JA0GCI	EW1DO	DL1HRN	I2BBJ	K5FZ	N4MEC
JA1OVD	G3XGC	EV1R	IK5RUN	K5KA	N6RFM
	HB9CEX	F6ECI	IK8UHA	K5KPE	N9TF

NU4Y	NA5Q	KK9H	JO4CFV	DL7UPN	UT7EC
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R5FY	OK2BUZ	KQ3F	K1DJ	EA8ZS	UY0MM
R7LA	OK3CQR	N0JZ	K2XF	EI9E	VE3VHB
RX6DX	R0FA	N2CW	K4MS	F6AJA	W0YBS
S57J	RN4AA	N2SQW	K5AV	F8GB	W1QA
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UX7UN	SP3BQD	N8AID	K7PO	HB9CIP	W3TMZ
UZ6LWZ	SP6AXW	NA5Z	K9RO	HK3O	W5CWQ
W2UB	US5CB	NI5M	KI5T	IK0DWN	W5GJ
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W7ACD	W3KB	OH2OT	LZ1JZ	JF1EGO	W7DR
WA2ALY	W6TDX	OK1AYU	N2DPF	JF6WTY	WA0I
WA4CEM	W8IW	OK2BVG	N4JI	JK1BSM	WA0RVK
WA8MOA	W8VK	S57AL	N4NW	JO1WXO	WA9ETW
WB8BZK	W9CPV	UR3CRO	N4PL	K0WK	YC0LOW
WC1M	WB6CJT	UT7UU	N4SC	K1BG	YO5ODE
WC6DX	WB8ART	UU5WW	N4VN	K3FM	
WD9EQU	WS1L	V73AZ	N6NU	K4KEW	103
WW1WW	XE2YWH	VQ9SS	ON7PQ	K4MF	AG1I
	YL1XZ	W1CWU	OZ4AAL	K4VIG	AI3Q
107	ZL3RJ	W2EQ	PF7M	K5HK	DJ1MM
4Z5LA		W2LE	PJ2/K8ND	K6UM	DJ3GZ
DJ8ES	106	W2NO	PY2DS	K7TJR	DJ7PI
DK3FB	AA4FL	W3ICM	R6YY	K9EA	DL2HX
DL2CHN	AE2U	W4IR	RA6AF	KA2BZS	DL8YRM
DL5XU	DJ6OZ	W5JAY	RD4WM	KH6KG/W5	DM5TI
DO4DXA	DL1QQ	W8OP	SP5JXK	KI0KB	DS3HWS
EA5AT	DL2NOM	WA4MYO	UA6LCN	KW0A	EA7SG
EA7QW	DL3JSW	WA6TLA	UR1RWX	LZ2XF	EU6MM
FG8OJ	DL6JZ	YL2GN	UR2RGN	N3ER	EW3LB
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G4RGK	HA8DZ		VR2MY	N4GU	G4AAW
HI8R	IK0ZIO	105	VY2ZM	N4TTE	G4PUQ
I5IHE	IW3GJF	DF2PI	W1LE	N6PF	G4VGO
IT9XTP	JA1VLK	DF8AA	W1LY	N6WM	I0OSI
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JH9DRL	JG3HBO	DL4ZAB	W6FF	N9PGG	JA3FHL
K0MD	JG5RVQ	DL6XK	WQ5W	ND3L	JA8EJO
K3SW	JH2KKW	DO1CTL	YU1NR	NJ9C	JH1DGQ
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KE2R	K1PX	JA1TAA	AD1C	RZ6LB	K5JUC
KZ1W	K4DSE	JA4EVN	AG4Q	SM5CCE	K7BTW
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N3DAP	K5AM	JA7BME	CP8HD	SO5AS	K9MUG
N4RF	K5ZQ	JA8RRF	CX3CE	UA9FGJ	K9XJ
N6EE	K8JJC	JA9APM	DK3BK	US5CAO	KE1IU
N8AGU	KK8X	JF1RYU	DL4FAP	UT4EK	KJ4R

KJ7WY	F6BWO	W2LW	K7AR	W1FC	JA4FSH
KM9E	FM5WD	W2TX	K7IA	W1GF	JA5DQH
LX1DA	HB9AHL	W3EKT	K8BN	W2SF	JA9CGW
N0RU	I8LWL	W4ALF	K9JU	W3WH	JF3DRI
N1HOQ	IT9SFT	W5TO	K9PG	W4BUE	JH7BKN
N9BBQ	IZ4MJP	W7IUUV	KC4PX	W4PM	K0FLY
N9SF	JA0HXV	WA0IDK	KD3UY	W7AV	K0LB
OH3GD	JA1JAT	WA1S	KE1VT	W7CB	K0XM
OH4UI	JA6OXT	WD8DSB	KE4S	W8GB	K1NA
OK1DQT	JA8OW	WS4Y	KF7NN	W9MAF	K1NZ
OK2BQU	K0YN	WW5G	KN6J	W9ZCL	K1TZQ
OK3BRK	K1PTF	YO2IS	KQ1F	WA3EKL	K2CBI
OZ7JZ	K2LP		KS4XQ	WB3HLH	K2CYE
PA0GMM	K2TK	101	LA2GV	WC4H	K3TZV
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RA0FA	K4AQQ	AA3LX	LZ1XZ	WR2G	K4KSY
RA4HT	K4KAY	AA4NU	N0STL	YO2CMI	K4QS
RK3QY	K5ZO	AC2AC	N2AJ	YO2OXD	K4UQC
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SM7BHH	K8BHZ	DH2FW	NE1F	100	K8CS
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US2WU	KN4KL	DL1KS	OA4TT	A41ZZ	K9NZ
UT2AB	KW4BY	DL3ANK	OE3WQB	AA4AK	KB0EL
VA2ZO	KY6R	DL5JS	OH3TY	AB4VV	KC0V
VA3IC	LA3ANA	DM3ML	OK1PGF	AC4VM	KC4D
VE3EDY	N5RZ	EA1WX	OK2BOB	AI2S	KC5LT
VE3MFA	NZ3M	EU1TT	OK3EY	DJ6OI	KD8BZY
VE3VV	OH2EA	G3ZFC	OK4MM	DL1TPY	KD9HL
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W5VU	R2AB	JA2VMU	RB7GG	EA8AXT	MM0SJH
W6SZN	R3IS	JA6TMU	RK9F	EC5A	N0AH
YO7APA	RU3UN	JA7SFD	RY6M	ES5NC	N0ATQ
	S59DJK	JE1SYN	SM2DMU	FM5GU	N1KI
102	SM6WET	JF1RPZ	SM7NDX	G0VXE	N1MD
A6/RV6LNA	SP5MXZ	JH3HGH	SP7JLH	G3OIL	N2SG
CT4BD	T77V	JH3PRR	SV1PL	G4CGG	N2XQM
DK3QM	UA1AIR	JI3KDH	UA0FDX	GM3ZSP	N3AF
DL3DXX	UA1CKC	K0LW	UG6GAW	I2VGW	N4CRI
DL3NCR	UA6HOF	K1YR	UR7CQ	IK0HFO	N4ZR
DL4CW	UA9MR	K2BX	UT1CC	IK4MSV	N7DED
DL4KUG	UA9UCO	K2TER	UT4IS	IS0/YO3RA	N7TK
DL5RDI	UW7CN	K3SEW	UT7HA	IW0BYL	N8IL
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ES5RW	W1PV	K6XJ	W1AW	JA1ILA	NA6O

NB3R	W7JET
NG7A	W8CNL
NJ3I	W8FN
NN4SS	W8GDQ
NU1T	WB4SON
OE5JDL	WU2M
OK1DXD	WV9L
OK2PAZ	YB1TJ
ON4ANN	YL2SM
ON7EH	YO9FLD
ON7GB	ZP9MCE
ON9CC	ZS2DL
OZ1ZD	
PA0INA	
PA7RA	
R3PJN	
R9JX	
RA3SD	
RA4LW	
RA6XB	
RC2A	
RN1A	
RT5A	
RU3GF	
S53MJ	
S59SV	
SV1VJ	
SV2DSJ	
UA3AKI	
UA4PAY	
UA6CEY	
UN6P	
UR4CW	
UR4LRG	
UR8IDX	
US8UW	
VE1RGB	
VE3OAT	
VE7JKZ	
VP2VA	
VR2PX	
W0GYH	
W0MU	
W1AN	
W1YRC	
W2CCC	
W3BBO	
W4HHN	
W4MAY	
W4OEP	
W4OV	
W5BK	
W7DT	