

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

297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS	289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	OK1AWZ VE2TZT	268 DL5DSM G3WPH RA3XDX SP9JZU W1MK
296 DF2UU F5NTV G4PWA ON5NT RY9C W1JZ	288 PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	281 DF2PY HB9BIN JA2PJC K1CP NJ6P S59Z W4TO	275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU SP5CJQ SP6AEG UW2ZM	267 LU8DPM RZ3DX
295 K3UA	287 CT1APE DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	280 EA6NB SP6HEQ YO3APJ	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD
294 DL1AMQ JH2FXK LA5HE RJ3AA SV8CS WD5COV	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN UA6MF	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA4V AA6YQ AA7A K4XP RW0LT SV8BHN YO5BRZ
293 N0TB S58T	285 G4CCZ HB9BGV UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU CT1EKY DL1DUL DL2OE OH1LEU SP6CIK	264 IK2YCW K7ZV W1GL
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW LA5IIA W2SM W3AP
291 9A7V DF3GY IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	283 JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL DL7VEE G3LZQ N8RR N9IW	270 AA1V JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA KR9U W1YY
290 UA3AKO			269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N3NT N6SS NO8D SP1S SP5DIR

260 EA5BM K1LT K4DY KX4R	W0YG	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ	JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	R7DX VE3XN WA7NS
259 DF4PL F6GCP G3ZSS I1FQH R9FM	252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK	234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR NV9L PY1BVY
258 KW9A N5KD RN3CT VE3QAA	251 DJ7RD DL9RT I1EIS JH0BBE K9NW N4II PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 DL8WN EA6ET IK0XEZ JA0DAI K1DG RA0FF VO1HP W3LL	233 K0CS K2UU KA7T SK3PY SV8CKM UA4HAU VA2WA W1TC W7AO
257 K1GUN N8TR W9YSX	250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G	237 DL7MAE NI0G OM4EX UR5EDX	232 JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T S51DI UA3AP
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF	249 AI9L JR3IIR SP5DRH	242 EA4KD KG7H	236 AB4I AC4G K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK YO9HP	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX
255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI	248 AB3CV K3WW K5RX K9RX N2NL SM3VAC SV8GFW T77C UT9FJ W9NGA	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF	230 DF6PB DJ5FI FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ WA7NB
254 N0AT OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN	240 G8VR		
253 5B4AGN AA1QD K5ESW S58Q UA1OMS				

229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	SP8NR VA5DX W7KW	219 IK3VUU JA2FBY JA2FJP JF3KON LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	IZ8VYU JA2JW K4NA OK1DX RN7G W4NL	209 DL5CF DL9MRF EA1RT EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT
228 AF9H AI0O E72A EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ	224 DL5WW IZ1LBG N0AV N8BM SP5INQ VK6VZ W2RQ		213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA NA2M RU4SO W0LYI W1FJ W2WG W3YY	
227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX	218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR		208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	222 IV3JVJ K3SV K6EID K8ZTT N5AW N8PR N9BX SM0CCM SP7GAQ	217 DM5EE JH1IFS K5PC KV7K ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I KG6I LA7JO N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS
225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK	221 K4MWB K8FH K8SIX MM0EAX N6VR W1ZK W6JRY WS6X	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	211 IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	206 IK0IOL JA3PIS K2VV K5AQ K5MC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW
	220 AG8B DK2NG HB9LCW HL5IVL JA2WYN JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW K8AC KA9FOX LA7HJA

W8UN WB8ZRL	JF1PUW JO7WXN K3HP N4QS W5TCX	196 4Z4DX AA4HP IK4PLW IZ8FWN JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO RZ4FO W2FCR W4UM	WA2VYA	KB1EFS KE9ET N8LJ RM0F W6SR W8JV WA3C WA6YEE
204 DJ5AV IK7NXM JA9NFO K3LR K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US K9YY LA5YJ RW4NN RW7M UY0ZG W0DD W0MHK W2IRT W3GG	195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	192 9A2NA CT1IUA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG N4DB N5LZ W3UA W3YQ W8LGJ WN6W	187 AJ1H K0SR K6SRZ KL0S KN5O N2NS OK1CZ SM0NJO W7AWA
203 JA2XYO JE1PNX K4XO K9MMS KK2I PA0A R6AF W8GC	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO N4DW W1TO YO2DFA	194 K4KDX K9JF KB9LIE KC9ARR LA7AFA W1NT W2LO W4FC W9OO WD8JJA	191 JA1ANR K0JGH K8FC K9LA RK2FWA SM7GIB	186 9A8A IK2QPR JA8DNV K0BJ K3PA K7LAY YL2TW
202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR W7DO WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR KB8VAO RX3APM W8HB	193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC K4ODL N9EN PA0LOU RN1ON UA0CA W9MU	190 IZ8XQC JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH NE1B SP2LNW VE7VV WE9R XE2X	185 AB6QM EA6BF G3KWK IK3SWB JA2LCP K5ZD LA3WAA N4TJ N5UR OE2BZL SP3FAR SV1DPI UA9CBO
201 CU2DX DL1EJA F4BKV	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS		189 9A2F EA8PP FM5CD JA0VSH SP7HOV UA7T	184 HA5WA I2AOX JA2ZL JF1NZW K4HGX K5KLA KB4ET OH2IS S57AC US8UA W2YJ
			188 AA1ON AB4IQ JA1KQX K0BBC KB0EO	

183 CT1FMX CT3MD IT9INO K4CN K8VC N9MB NN2L ON6SAS W2FP W8NW	178 4Z5CX EA3CJ JA4MRL JE2URF K2UR LA0FA NE0U SM7DLK SV1JG W6NWS W7MEM ZS1LS	VE3FF WX0V	JA6HUG JR1TNE K1NU LA5LJA N0RN N4OGW N7RO N9RC RA3DNC SV1LK UN9L	W6VX W8OI WA0MHJ WA5YNB
182 DJ9ON DK3UA HK3W JA1SHE K8RRT UR3EO W1YM	177 9H1SP AE5E CT1EAV CT1GFK IK4ADE K3WC K9NU SM6DHU W2OR W5LT W7FI WB7B	174 4Z5MU JA0GJJ JA1PPW JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K0TT K1KI K2KA K3AJ K4TR K4WS OE1WHC RN7F UA3LNM W8UV W8VVG WT8C	170 DJ6TK JA6JPS JE3ENP JF1WPB JM1GYQ K6ZZ KI5BLU N4PY SP3GTS SV3KH W3IP W9EVI WA3AFS	167 DK5AD JA6VQA K4XD K6KO K8NK K9MBQ N0IJ N3BNA PA3C RA1AOB RN9N S51EC VE6WQ W1YW WA4LOX WC5N
181 DK3WW JA3ENN JN4MMO K2EP N3OC VE3OSZ W9AJ	176 CT1FPQ 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	169 IK0PEA JA1ADT JE2LPC JR1IZM K1LI N1EN N4XX N7US UT8MM UY5AA W6RW W7Yaq WA9PIE WB3JFS	166 4Z1UF DJ4SO HB9FMN IV3TDM JA1FNA JA9LJS K1KA K3KY K4JLD K4PB K4ZYU OH2BLD RM3DA W0DJC W1RR W8ILC WA8TXT WP4U
180 DM2DXA DM3VL EA8JF JA2BDR K6SSS K7BG LA9AJA N1RR N4AH ON5FP UT2UB W1RM W7BEM W8TN	175 JA1CHN JA9NLE JS3CTQ K4DLI K5GKC N7IR N7XR PE1L SP1MGM TF3SG	172 G0BLB G3NKC IZ5MOQ JA3FGJ JG0CQK JG3IWL K0DEQ K1BD K6FG KJ0M W3JX W4FQT WC4X	168 EA7TV G3MXJ IK2EGL JE7JDL JF2UPM K5QY K8RYU KR4F N4QQ N8BJQ PA7F SP5GH W4SVO	165 DL7UCX I2ZGC IK0AGU JE7RJS K5JZ KK4CB N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN
179 IT9ELD IW0SAF JR7BDQ K8WK N2PK OK1MG S57UN SM4DDE SV3FUP W8KEN		171 AA9D DL6KR G0EHO HA9PP		

164 GU4YQX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG SV2AEL W4DKS W4NS	DL1DA EC3A EI6FR IK0FUX IW2FND IZ4DPV JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B	EA5BY G3TQZ G4GIR JA1GHH JE2DZC JH2QMT JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ YV2IF	W5DNT WB0TEV WS7L YS1RR 153 AA6AA AJ9C DL3ZA G3TJW HL2CFY JF1IRW JR9OPJ K7SP K8VFX KR2Q N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU	N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7RH WA1Z WA2BCK WP4G 150 EA1AF IV3RAV JA2NQG K0RS K5TR K7LV K8AJS KU4XO N3QE N9CO OE5RLM OE8SPW SQ5EBM SV1CNS UA6YW W6DAO W7CT
163 9A2JK DJ9HX JE2LUN K7NN K8TL UR4CWQ VE3CFK W7AL WW3S	159 HB9TKS JA4FKX JH6QFJ JH7CFX K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT	156 AB9V DL4MM F6HDH IZ8IEV JO7HAM K0QC K8YSE KS1J N3RC N3UA UA3SAQ VA3LX W1YIF W4TV	152 EW2A HB0CC JT1CO KQ4AV KS3F N9OY S55ZZ UA6IGI UN7LZ UT5AB VE6LB W1SKU W1VT W6RLL W7AJ WB3CQM	149 DL7CX HB9HFN IK4FNF JA1SVP JL1ARF JR5JAQ K3RA K3TN K4YYL K8ME K8ROX K9MK R8TX SM6CUK UW7UA W0GG W7HPW WB8B WD5K WS5W WW2DX YO3DDZ
162 4O3A 9A4W F3AT JA6GIJ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ	158 DJ4PT DL1FKA IT9DSZ JA9APS JH1TWT JI1FXS JI1NJC JR1GJP K5TT K9GA OZ1HX RU6M SM4EMO W0SZ W1OX W2XL W3GQ W4QN	155 DL1RK DL4SZB JE3GRQ K2LS K4RG K4WA NE0DX NW7E SM6VR WE1P ZS6EZ	151 AA7G CU2AP DK2OY EI9JF F3SG HB9SLO IZ3ENH JA2VQF JA6BEE JH1NYM JR1XIS K2AX K2FW	148 CT1FCX
161 DK2GZ DL6RAI HB9DHK JA1DOF JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW	157 AA4H AC6DD DL6MRS	154 3V8SF GM3PPE HB9BUN JA8NFV JR3OEH K0KVR N7WS NX8Y W1NA W2XI		
160 AD5Q DK1WB				

DK2CC	N4GG	LA9VFA	YO9FNP	K6EME
F5CQ	N5XZ	MM0SAJ		K8NS
F5LVL	NA5C	N7QT	139	LA9GX
JH1QDB	RT0F	NA4D	DF7EE	RA3CO
K5VWW	SM3DTR	NQ7R	DJ4XA	RG7G
LA6OP		NY2NY	DL5EBE	UU1JA
N2WB	144	OK1DO	DL8OH	W1ITU
NE3F	CU3EQ	W2OO	JA1TMG	W5ODD
W2/CT1GIF	DL5CW	W5ADD	JH0BQX	WB5JID
W5FKX	DL5KUA	W5LUA	J11DCW	
W9JJB	E70T	W5VQ	K3ANS	136
	EI6IZ	WA5POK	K6AM	E72U
147	GM3ITN	WB8CQV	K8GI	ER0FEO
EA3GP	HB9BYQ		K8RF	HB9IQB
F5PAC	I5MXX	141	KA8SYV	IK8CNT
IV3VBM	IT9GSF	AC9S	KU0A	JH4HMG
JA1XQC	IZ4GWE	DL5MHQ	LA8WG	K0TV
JH4ALY	JA3GN	EW1BA	OK1MP*	K7TM
K7HP	JE1FQV	HB9FMT	OK2QA	KR6C
K8UT	K0VSH	JA1PTJ	SM5CBM	N2ZN
KM1H	KD0PO	JA2ATE	SV8ZC	OK1DW
N1IBM	N1IX	JA9RRH	W0SD	SM5OJH
PC3T	N3KK	JH1HHC	WA8WV	SP2BMX
W1OP	SM4OLL	JL1UXH		UT3UZ
W2KKZ	SM5CLE	K2RW	138	UW8SM
	W4GE	N8OC	DK8MCT	W2OIB
146	W7ZI	NJ3K	DK8YY	WB7QXU
EU4A	W8RLS	OE6VIE	EI9FBB	
G4FTC	WC5M	SV3FUO	F6DDR	135
JA1HQG	WD5T	W2CG	IK8EPC	5B4MF
JA4DHN	YO3CD	W3BW	JA3OOK	DJ9ZB
JA5XAE		W4JVN	JF3LOP	F6FXU
JH1GNU	143	W4VIC	JH7RXU	IK8GYS
K1CA	DL1DUO	W4WT	K1RO	IU0HDC
K5KV	DL6EN	W8HW	K2RET	IV3DXW
K5SM	HS0ZEE	ZS1C	KJ6P	JA7LMZ
K6NR	K7CMZ		LB5WB	JA8BNP
K7WP	K7CW	140	ON6AA	JA8JL
N7BT	KJ9C	9A1CAL	OZ8X	K1ZE
RU0SN	LZ2ZG	DF2RG	RW4CY	K4ZRJ
W1IZL	N2RJ	JR2LJO	UN7JID	K7FL
W1ZT	N2WM	K5WK	V51B	NZ9R
	N5UW	K6KLY	W1GD	OH1JP
145	N6PAT	KF8DX	W2YE	R7LP
AF4HX	NN4R	N4XP	W4YV	RN3RQ
HI3T	W0IZ	N6PSE	W7OM	SM3LGO
I0JBL	W6QUV	OH6NIO		SM5CZK
JE6TSP	WB8ZRV	ON7DR	137	SP3XR
JJ3HGJ	WD9DZV	UN1L	DS1JFY	W1DIG
JK1AJX		VE6SV	EA1YO	W1EQ
JN1BMX	142	W0SEI	GM3YOR	W2GD
K1OA	I5HOR	W4NU	IZ0RVI	W4BUW
K3VAT	IT9BLB	W7IV	IZ2FOS	W4MBD
K4OY	JR7WFC	W8GNM	JA3APU	W4RFZ
K8BL	K3PP	W8LWU	JA4OK	W6JTI
KF6HI	K4WZ	WO2T	JH4JNG	WE4S
N1CGP	KK1W	YL2MU	K2QMF	

134	SM6BGG	RU1AO	JA1WLO	JA4IYL
CT3HF	SP6M	TA1CM	JA8RJE	JA6VU
IK4DCS	VE3CRG	VE3DO	JA9KRO	JE1TSD
JA7LGE	W4AXL	W2MPK	JH3AIU	JE6UWU
K1TO	W4RBO	W9ZT	JS2LHI	JF2WXS
K3OX	W4WM	129	K0RW	JH4ADK
K7XB	W5SL	HA1RB	K3TRM	JL1RUC
KX4TT	W6DR	HB9AZZ	KM3T	K1HAP
N9MR	W7AH	JA1NWD	KM4NS	K5KG
N9RS	W7CD	JA8JO	N1AC	K8DV
NA5DX	W9FR	J14POR	N1GC	KA6BIM
OE1TKW	WB3D	K3NK	OE8HIK	K14WCQ
PY5HOT	XE2S	K4TT	S51NM	LZ1XL
RG6G	131	K6XM	SK7AX	N2KA
RX4HW	DK7YY	N0YY	SP6A	N3EN
SM0BYD	G3UHU	N3KS	SP7ASZ	N4JT
UA0ACG	HS1NGR	N3RR	W0CP	N9RD
W4JKC	IV3KFB	PY5EG	W0RT	ND5S
YU1AM	JA2TBS	W0YVA	W3BG	NW6S
133	JJ1TEA	W7QHE	W3MF	OE1AZS
9K2NO	JM1FHL	W8MET	126	OE3SGU
EU1U	K1UU	128	DJ8WD	RA0BA
HB9CQK	K5VIP	AA4SC	DL9FCY	UU7JM
IZ8DFO	KC2LSD	DM2RM	F8BPN	VE3UTT
JA7GLB	KH2L	IT9ZZO	G4IUF	W5DAW
JA9AGN	KM3V	JA2AHH	IZ7EVZ	W8LMG
JR7FRW	KM4H	JA2KSP	JA1XCZ	W9CG*
K1ZN	N3MK	JA9AA	JA7KY	YO2RR
K2CDJ	N4QWZ	JE1LFX	JH3CUL	124
KS4YT	N5PHT	JH4GJR	JJ1DWT	AA7XT
KU2A	N6RK	K0FF	JN1RQV	IK3VBB
OE1KM	ON4ON	K3XA	K2ZD	J11DHY
RA5BM	R0SR	K4JAF	K4JKB	K4ZO
RV4LC	R9MJ	K4SE	K4XU	KD4POJ
SV5DKL	R9SA	K6LPO	LB7ZG	NA2U
UQ2PZ	W8DCH	KG7CW	N8NA	PA0TCA
VE3WT	130	N5KM	OK3CQD	UA0BA
W0NFL	DF9ZW	OH1ZK	PA3EWP	VE1DUN
W2QO	E73M	OZ1IKY	PA5TT	W1OPD
W5AJ	EI2JD	R9SG	VE3CX	W2JU
132	G7VJR	S53X	VE7BV	W2RIJ
AA4NC	HK0HEU	S55DX	W8MK	W3FM
AB9M	JA2FBC	SM3GQP	W8REW	W6CYX
AD6W	JG1DUZ	SV3DCX	W9ILY	123
HB9RYZ	K2MYR	VQ9LA	WB0O	AB1OC
IT9RDG	K6SIK	W2WC	WB2REM	AC4TO
JA2KVD	K7LFY	W4IS	WD4LBR	DL7JRD
JA6CBG	K8BCK	W6RKC	XE1KK	F4GTB
JR6FC	K9GL	ZS1A	YU1EXY	G4WFQ
K6YUI	NA4EA	ZS6UT	125	G5LP
K9ZM	NO9E	127	9A1AD	HB0WR
N6HY	OZ2ABI	CT3KN	AG1A	IK2CHZ
ON4CAS	R3VA	HK1MW	GW3TMP	IK3XJP
OZ2RH	R5QA	JA1DDH	HK4SAN	JA0CRG
SM4BZH	R9AB		IK5DNF	JA1SJV

JA3MHA	J14WAO	W4PRO	LZ2HM	116
JA6WJL	KD8RQE	W6RFL	N2MM	AJ4F
JK1EXO	KG9Z	W7RN	N4DJ	DL7URH
JR1EBE	N0OK	ZL4AS	PY2PA	EA5BRE
K2PK	N1JP	119	RN3TT	HA7PF
K3XO	N6HC	AA3AZ	SV9COL	IK0EIE
K4ZIN	SV1AHX	AE3T	TA2RC	IK2OHG
K5GH	UQ1GWW	AJ4A	VK4CAG	IT9TQH
K7UT	UT4EO	DK3GG	W1KSZ	IV3HYD
K9CS	UU2JQ	EW4M	W4DAO	JA1WTI
KV4T	VA3AYA	G4DJJ	W4NF	K1DC
N2ED	W0QQ	HB9AAQ	W4NJ	K1RI
N4DWK	W2GG	HB9BCI	W5JMW	KT1V
N6MZ	W3RJW	I2TZK	W9FI	KV1J
N9JV	W6XI	I4MKN	WT4Q	PA0JSE
N9LQ	W9XX	IU0LFQ	YO4AUL	RV3ID
NA2P	W9YE	JA3AZD	117	TZ4AM
NA9RB	WA1PMA	JA4XGC	9Y4VU	UA4PCM
S50B	WY1G	JE2JMV	AE0P	VA7CRZ
UA3DK	XE1VIC	JH6CDI	BH4IGO	W1ENE
UT3QU	120	K5UZ	DL1DWT	W1WEF
W1AO	9A5F	K7EG	IT9AAI	W7GG
W8NJR	AC9EM	K8KWT	IT9DAA	W7OEV
WB8K	AL7TC	K9SG	JA0AOO	W8LRO
WV4TN	DL2VWR	N0KV	JA1HQT	WP3R
XE1H	EI2GLB	N8PW	JA4FM	WQ5L
122	FG5FR	N9UA	JA7GYP	115
BA4RF	HB9BLQ	NT2A	JA7IC	AA5JF
G3NDC	IZ0LKV	NY7T	JM3GXU	C6AGU
JA1MRM	IZ5NFD	OH5NG	JR2UBS	CU2CE
JH1AGU	JR3UIC	OK1DT	K1BZ	DL9GOA
K1ESE	JR6LLN	R6FFB	K2BB	G4XEE
K1YT	K2BA	SV1ACK	K6PJ	G8BCG
K2MP	K2HK	W0RX	K8OOK	G8DX
K7ZA	K3QIA	W4HZ	K8QM	HA5UK
KR0P	K5JC	W8FIB	N2BJ	HK3PJ
LA7WCA	K6FW	XE1RCS	N3ND	IZ7JVR
LA8PT	KA8ZPE	118	N4IR	JA2KNW
N9AW	N3NR	5T5PA	N6MB	JA5FDJ
NN7X	N4BAF	AA4DD	N8AA	JG3LGD
OZ3Y	N4LR	AB2E	N8XI	JH1RFM
RD4A	N4TB	DL5OCE	NY4G	K0GD
UU4JMG	N4TL	JA4FHE	SM7BIC	K0SD
VE6AX	N4UFP	J18DGO	SP8HKT	K4CMS
W2TB	OE3EVA	K3FRK	UA6J	K4GHS
WA3I	OZ2A	K3WGR	UB3A	K4GK
WA7BNG	PZ5RA	K4CNW	UR9IDX	K5XM
121	RL3BZ	K7PI	US1CT	K8YTO
AA6RR	SP6JIU	K8LN	VE3YF	KO8SCA
DF1DB	SP7ITB	K8WVA	W4ZRZ	LY4T
DK1EI	SV1IW	K9DR	W6SL	N0IRM
DK6CQ	UR5IKN	KD2T	W8ZR	N4OA
HB9DHG	UR9QQ	KD6UO	WA2USA	N5BO
IK2SGB	US0YA	KG8CW	WC2K	N8KOL
JA2HYD	W2YR	KV4AA		PA3AXU
	W3OA			RZ6MJ

UA1ANA	JH3GCN	JA4BXL	K5WAF	LZ1PM
UA1CGS	K0TPP	JA7BXS	K7ORK	N2CG
UA6XT	K5CD	JR7TEQ	K9AJ	N3HBX
UN6T	K8SL	K0JPL	KM1R	N3IQ
W4UCK	K9FN	K1EDG	KZ0X	N3JB
YL2CZ	K9GWH	K1KO	LA0CX	N4KE
	KA4RRU	K2HAT	N4WJ	NC6K
114	KH6DX	K4UAS	N7BD	NK7C
BA4DW	KI0G	K8CC	N9HF	NY4I
BA7IO	KT1J	KB2FCV	NA1DX	OZ1LCG
CT3FN	N7KO	KI4DLS	UR6QA	RD9M
CU3AK	N9ISN	KM1C	UT1UY	SM5BHW
DL6NB	NA3F	LA8HGA	VE6KC	SP9WZS
F6CWA	NG0G	N5ZC	VE7CT	SV1VS
G3SDL	NI5F	N6MA	VE7UF	UA3O
HP3TA	NK5B	N6PE	W0VHF	US7MM
I5OYY	ON5UE	NA9Q	W1FO	W0UY
IK7YZG	R7NA	RU4SU	W3FOX	W3XY
IW0HEX	RA4UN	SM3DMP	W4HOG	W4DC
JA4KDT	RZ3AUL	UA1ACG	W4OX	W4NE
JA5WIZ	SM5ARL	UA1CEI	W5AQ	W5ZPA
JH6WMJ	SP3EPG	UT6UD	W7VS	WL7E
K1RV	SV1FKZ	VE7XF	W8KA	XE1FAS
K2DC	SV1JFV	W1HEO	W8MIL	YU7AU
K3MD	SV2AVP	W2CVW	W9RB	ZL3NW
K3NF	UN7TW	W2SKI	WA2BOT	
K3OSX	VE3KI	W3MR	WA2MUA	109
K5RJ	W2GW	W3UL	WB4TDH	DF1KG
KB8U	W6BK	W4VHF	WB9EEE	EA3GHZ
KZ4V	W8FAX	W5VX	YL3DQ	EU4T
N1QY	W9DX	W6TC	YO6HOY	F8EZE
N2JJ	W9VNE	W8GEX		G3SVD
N3MN	WA4DOU	W8HMK	110	J68HZ
N4IQ	WB2HJV	W9SE	BA4MY	JA2CXF
NU8Z	WB2UFF	WA8OLN	DG7RO	K2ONP
UA3FT	WS4C	WT9U	DL1VDL	K4RDU
W0VX	WX3P	ZP6CW	EA5BYP	K5FZ
W4TUN	XE1RBV		F5BAR	K5KA
W5VY	ZL1BYZ	111	G3LNS	K5KPE
WA1FCN		AA4U	G8AJM	K6MW
WA8MCD	112	AB4GE	HC1BI	KE1F
WA9YYY	A92IO	AF4OX	I2BBJ	KZ5DX
WN9O	DJ1RL	CU3AN	IK5RUN	N1BZ
XE3ARV	DK5RL	DK2WH	IK8UHA	N7TY
	DL5CL	DK6ED	IZ0CKJ	N8NN
113	EA1JO	DL1HRN	JA7EPO	ND4V
9A1A	EI8IU	EV1R	JE2UFF	NN4RR
DJ5DT	EW1DO	F6ECI	JH1VHU	NU4I
DJ9RR	G3XGC	G3PLP	K1EO	NX7U
DL8CM	HB9CEX	G4DBN	K2BLA	PY5CC
DL8DYL	HB9CRV	HL3GOB	K3JRR	RW4UU
EA5KA	HB9EFK	JA1AUD	K3PH	RW9QA
G4AFJ	HB9G	JA1FGB	K4WW	RX3AGD
JA0GCI	IK2ANI	JA1NCZ	K6MI	TG9NX
JA1OVD	IU8FRE	JE2EHP	K6VKO	UB5ZAL
JA4ITW	IZ4DIW	JE8TGI	KB4MRX	UT7KF
JH1ORA	JA1SXR	JF2WGN	KC2STA	VU2CPL

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W9HBH	4Z5LA	DL1QQ	WC6DX	VR2MY
WB5TUF	DJ8ES	DL2NOM	YL2GN	VY2ZM
WN0L	DK3FB	DL3JSW	YU3EF	W1LE
YV3AGT	DL2CHN	DL6JZ		W1LY
	DL5XU	EA3CCN	105	W4OWY
108	DO4DXA	HA8DZ	DF2PI	W5KI
AI2Q	EA5AT	IK0ZIO	DF8AA	W6FF
AL7R	EA7QW	IW3GJF	DJ3XD	WQ5W
DL6CNG	FG8OJ	JA1VLK	DJ6KH	YU1NR
ER1LW	G4AKY	JA2MNB	DL4ZAB	
G3VAO	G4RGK	JE6IGP	DL6XK	104
HB9BAT	HI8R	JG3HBO	DO1CTL	9K2OD
HB9FAN	I5IHE	JG5RVQ	ES1GO	9M2AX
IK0PRG	IT9XTP	JH2KKW	G3YUV	AD1C
IZ0BTV	JA5EY	JH6PFY	HA8FW	AG4Q
JA2MOG	JA8JTH	JJ0NCC	IZ2EWR	AH0U
JA3NHL	JH9DRL	JR0EQQ	JA1BWA	CP8HD
JJ2PIK	K0MD	K0DEW	JA1TAA	CX3CE
JK1MZT	K3SW	K1PX	JA4EVN	DK3BK
K1EP	K3YBN	K4DSE	JA6VA	DL4FAP
K1XM	K8LBT	K4SAF	JA7BME	DL7UPN
K2CJ	K8ZR	K5AM	JA8RRF	E73D
K2KQ	KE2R	K5ZQ	JA9APM	EA8ZS
K2MK	KZ1W	K8JJC	JF1RYU	EI9E
K4WY	N2RR	KK8X	JO4CFV	F6AJA
K4YJ	N3DAP	KK9H	JR1BAS	F8GB
K6UT	N4RF	KP4AA	K1DJ	G3BRD
K8OM	N6EE	KQ3F	K2XF	HB9CIP
KM8AM	N8AGU	N0JZ	K4MS	HK3O
KN4JX	NA5Q	N2CW	K5AV	IK0DWN
LU2DKT	OE1CP	N2SQW	K7OX	JA1SDV
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N6RFM	OK3CQR	N3XM	K9RO	JF1EGO
N9TF	R0FA	N8AID	KI5T	JF6WTY
NU4Y	RN4AA	NA5Z	KT2E	JK1BSM
PA0ZH	RV6ARZ	NI5M	KX2A	JO1WXO
R5FY	SP3BQD	NS3L	LZ1JZ	K0WK
R7LA	SP6AXW	OE5CSP	N2DPF	K1BG
RX6DX	US5CB	OH2OT	N4JI	K3FM
S57J	VE3OI	OK1AYU	N4NW	K4KEW
SM6AOU	VK3NX	OK2BVG	N4PL	K4MF
UX7UN	W3KB	S57AL	N4SC	K4VIG
UZ6LWZ	W6TDX	UR3CRO	N4VN	K5HK
W2UB	W8IW	UT7UU	N6NU	K6UM
W3NRJ	W8VK	UU5WW	ON7PQ	K7TJR
W4ZYT	W9CPV	V73AZ	OZ4AAL	K9EA
W6KK	WB6CJT	VQ9SS	PF7M	KA2BZS
W7ACD	WB8ART	W1CWU	PJ2/K8ND	KH6KG/W5
WA2ALY	WS1L	W2EQ	PY2DS	KI0KB
WA4CEM	XE2YWH	W2LE	R6YY	KW0A
WA8MOA	YL1XZ	W2NO	RA6AF	LZ2XF
WB8BZK	ZL3RJ	W3ICM	RD4WM	N3ER
WC1M		W4IR	SP5JXK	N3TR
WD9EQU	106	W5JAY	UA6LCN	N4GU
WW1WW	AA4FL	W8OP	UR1RWX	N4TTE
	AE2U	WA4MYO	UR2RGN	N6PF

N8MZ	JM2RUV	DL3NCR	UW7CN	K6XJ
N9DR	K0EOO	DL4CW	VE2FYR	K7AR
ND3L	K2UVV	DL4KUG	W0JMP	K7IA
NJ9C	K4LQ	DL5RDI	W1MRH	K8BN
NN3Q	K5JUC	EA8AKN	W1PV	K9JU
RA1QX	K7BTW	EI4DQ	W2LW	K9PG
RU3UR	K8CCV	EI6GF	W2TX	KC4PX
RZ6DX	K9MUG	ES5RW	W3EKT	KD3UY
RZ6LB	K9XJ	F6BWO	W4ALF	KE1VT
SM5CCE	KE1IU	FM5WD	W5TO	KE4S
SM7CQY	KJ4R	HB9AHL	W7IUV	KF7NN
SO5AS	KJ7WY	I8LWL	WA0IDK	KN6J
UA9FGJ	KM9E	IT9SFT	WA1S	KQ1F
US5CAO	LX1DA	IZ4MJP	WD8DSB	KS4XQ
UT4EK	N0RU	JA0HXV	WS4Y	LA2GV
UT7EC	N1HOQ	JA1JAT	WW5G	LA6UL
UX4UM	N9BBQ	JA6OXT	YO2IS	LZ1XZ
UY0MM	N9PGG	JA8OW		N0STL
VE3VHB	N9SF	K0YN	101	N2AJ
W0YBS	OH3GD	K1PTF	AA2VG	N5AQ
W1QA	OH4UI	K2LP	AA3LX	N6WM
W3DRY	OK1DQT	K2TK	AA4NU	N8AG
W3TMZ	OK2BQU	K3KG	AC2AC	N9JCS
W5CWQ	OK3BRK	K4AQQ	AC5O	NE1F
W5GJ	OZ7JZ	K4KAY	CT1JGA	NX2X
W5ZO	PA0GMM	K5ZO	D44BC	OA4TT
W6PH	R9GM	K6DJ	DH2FW	OE3WQB
W7DR	RA0FA	K7BHM	DK9WI	OH3TY
WA0I	RA4HT	K7UA	DL1KS	OK1PGF
WA0RVK	RK3QY	K8BHZ	DL3ANK	OK2BOB
WA9ETW	RU3OW	KB9DAK	DL5JS	OK3EY
YC0LOW	SM3CBR	KJ6NZ	DM3ML	OK4MM
YO5ODE	SM6EHY	KN4KL	EA1WX	ON4LG
	SM7BHH	KW4BY	EU1TT	OZ5HP
	UA3PFN	KY6R	G3ZFC	PA4WM
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AG1I	UT2AB	N5RZ	GM3WTA	RA4P
AI3Q	VA2ZO	NZ3M	HB9NL	RA4SD
DJ1MM	VA3IC	OH2EA	IV3GOW	RB7GG
DJ3GZ	VE3EDY	OK1DTN	IV3KCB	RK9F
DJ7PI	VE3MFA	OK1JDX	JA1VVX	RY6M
DL2HX	VE3VV	OK3CSQ	JA2VMU	SM2DMU
DL8YRM	W0QC	PA7TWO	JA6TMU	SM7NDX
DM5TI	W0UVC	PV8ABC	JA7SFD	SP7JLH
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EA7SG	W4AVY	R2AB	JF1RPZ	UA0FDX
EU6MM	W4MZ	R3IS	JH3HGH	UG6GAW
EW3LB	W5THT	RU3UN	JH3PRR	UR7CQ
G3BDQ	W5VU	S59DJK	JI3KDH	UT1CC
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G4VGO		T77V	K2BX	VE2OJ
I0OSI	102	UA1AIR	K2TER	VE3XB
JA2GQO	A6/RV6LNA	UA1CKC	K3SEW	VK2GR
JA2OLJ	CT4BD	UA6HOF	K4NNX	W1AW
JA3FHL	DK3QM	UA9MR	K5DNL	W1FC
JA8EJO	DL3DXX	UA9UCO	K6AAW	W1GF
JH1DGQ				

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W4PM	K1TZQ	R3PJN
W7AV	K2CBI	R9JX
W7CB	K2CYE	RA3SD
W8GB	K3TZV	RA4LW
W9MAF	K4FT	RA6XB
W9ZCL	K4KSY	RC2A
WA3EKL	K4QS	RN1A
WB3HLH	K4UQC	RT5A
WC4H	K7VIC	RU3GF
WK9U	K8BZ	S53MJ
WR2G	K8CR	S59SV
YO2OXD	K8CS	SV1VJ
YO6BHN	K8LE	SV2DSJ
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	KB0EL	UA4PAY
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A41ZZ	KC5LT	UR4CW
AA4AK	KD8BZY	UR4LRG
AB4VV	KD9HL	UR8IDX
AC4VM	KP4N	US8UW
AI2S	KQ5M	VE1RGB
DJ6OI	LA8W	VE3OAT
DL1TPY	LU5OM	VE7JKZ
DL1TRK	LU5YF	VP2VA
DL9GTB	LZ3YY	VR2PX
DU7ET	MM0SJH	W0GYH
EA1CP	N0AH	W0MU
EA2AAZ	N0ATQ	W1AN
EA3ALD	N1KI	W1YRC
EA8AXT	N1MD	W2CCC
EC5A	N2SG	W3BBO
ES5NC	N2XQM	W4HHN
FM5GU	N3AF	W4MAY
G0VXE	N4CRI	W4OEP
G3OIL	N4ZR	W4OV
G4CGG	N7DED	W5BK
GM3ZSP	N7TK	W7DT
I2VGW	N8IL	W7JET
IK0HFO	N8NB	W8CNL
IK4MSV	N9ADG	W8FN
IS0/YO3RA	NA6O	W8GDQ
IW0BYL	NB3R	WB4SON
IW0HQE	NG7A	WU2M
JA1BRK	NJ3I	YB1TJ
JA1CPU	NN4SS	YL2SM
JA1ILA	NU1T	YO2CMI
JA4FSH	OE5JDL	YO9FLD
JA5DQH	OK1DXD	ZP9MCE
JA9CGW	OK2PAZ	ZS2DL
JF3DRI	ON4ANN	
JH7BKN	ON7EH	
K0FLY	ON7GB	
K0LB	ON9CC	