

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 22 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	325 K9UWA UA2FF	315 IK4WMA K5RK N1DG OH3SR S50U W1JR	309 W5IZ	YU1FW
341 EA8AK	324 K2TQC K4PI OH2BO S50A W1NG	314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM3YTS
340 K1ZM	323 EY8MM SP5EWY	313 GM3POI OE3GCU OG2M OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK SV8JE
339 W4DR W4ZV	322 UX0UN W3UR	312 OH1MA S54E	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR VA3EF
335 OH2BU	321 WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I RA7A RZ3AM SP2FAX	305 JA7NI K4ZW N4IS NN4T UA6A	299 JA4DND K4TEA N1BUG OE1WEU SV1FJA UX1UA W7UT
334 N4WW	320 K8MFO SM4HCM W8UVZ	310 I4AVG RA3CQ SM5BFJ SM6CVX	304 CT1EEB DJ0MDR SM3GSK	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ SM5CEU
333 R7LV	319 N0XA SM4CAN		303 F5LGE GM0GAV JA1BK JA4LKB K1UO RU3DX	
332 UR0MC	318 4X4DK UT5UGR W9ZR			
331 K5UR LZ2DF	317 W3LPL			
330 AA1K HA0DU OH1XX UT7QF	316 W2VO			
329 K3UL UA4HBW				
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	VE2TZT	268 DL5DSM G3WPH RA3XDX SP9JZU W1MK
296 DF3GY 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 SV8CS	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 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 KX4R LA5IIA N3NT W2SM W3AP
291 9A7V IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW OK1AWZ	270 AA1V JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA KR9U W1YY
290 UA3AKO			269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S

SP5DIR	S58Q UA1OMS W0YG	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ	240 G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	N6DX OK1CF R7DX VE3XN WA7NS
260 EA5BM K1LT K4DY	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 S51DI
259 DF4PL F6GCP G3ZSS I1FQH R9FM	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 UA4HAU VA2WA W1TC W7AO
258 KW9A N2NL N5KD RN3CT VE3QAA	250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G	237 DL7MAE NI0G OM4EX UR5EDX	232 DJ5FI JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP
257 K1GUN N8TR W9YSX	249 AB3CV AI9L JR3IIR SP5DRH	242 EA4KD KG7H SV8CKM	236 AB4I AC4G K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK YO9HP	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF	248 K3WW K5RX K9RX 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	230 DF6PB FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ WA7NB
255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN			
254 N0AT OM3DX WA4FFW				
253 5B4AGN AA1QD K5ESW				

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 EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO
228 AF9H AI0O E72A EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ	224 DL5WW IZ1LBG MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ	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	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX	217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS
226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	222 IV3JVJ K3SV K6EID K8ZTT N5AW N8PR N9BX SM0CCM	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	211 EA1RT IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	206 IK0IOL JA3PIS K2VV K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW
225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK	221 JA2WYN K4MWB K8FH K8SIX N6VR W1ZK W6JRY WS6X	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA
	220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	214 DL7BA HL3IUA		

W8UN WB8ZRL	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP N4QS W5TCX	RZ6FA UA0SC UT5EL W0FS	N9EN PA0LOU RN1ON SM7GIB UA0CA W9MU WA2VYA	AB4IQ CT1FMX JA1KQX K0BBC KB0EO KB1EFS KE9ET KL0S N8LJ RM0F W6SR W8JV WA3C WA6YEE
204 DJ5AV EA5KA F4BKV 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 W1NT W2IRT W3GG	196 4Z4DX AA4HP IK4PLW IZ8FWN JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO RZ4FO W2FCR W4UM	192 9A2NA CT1IUA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG N4DB OH2IS W3UA W3YQ W8LGJ	187 AJ1H K0SR K6SRZ KN5O N2NS OK1CZ SM0NJO W7AWA
203 JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO N4DW W1TO YO2DFA	195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	191 JA1ANR K0JGH K8FC K9LA RK2FWA	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 WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR KB8VAO RX3APM W8HB	194 K4KDX K9JF KB9LIE KC9ARR LA7AFA W2LO W4FC WD8JJA WN6W	190 IZ8XQC JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH NE1B SP2LNW VE7VV WE9R XE2X	185 AB6QM CT1EAV EA6BF G3KWK IK3SWB JA2LCP K5ZD LA3WAA N4TJ N5UR OE2BZL SP3FAR SV1DPI UA9CBO
	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD	193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC K4ODL N5LZ	189 9A2F EA8PP FM5CD JA0VSH SP7HOV UA7T	184 HA5WA I2AOX JA2ZL JF1NZW K4HGX K5KLA
			188 AA1ON	

KB4ET	K8WK	K5GKC	W4FQT	K8RYU
S57AC	N2PK	N7IR	WC4X	KR4F
US8UA	OK1MG	N7XR		N4QQ
W2YJ	S57UN	PE1L	171	N8BJQ
183	SM4DDE	SP1MGM	AA9D	PA7F
CT3MD	SV3FUP	TF3SG	DL6KR	SP5GH
IT9INO	W8KEN	VE3FF	G0EHO	W4SVO
K4CN	178	WX0V	HA9PP	W6VX
K8VC	4Z5CX	174	JA6HUG	W8OI
N9MB	EA3CJ	4Z5MU	JR1TNE	WA0MHJ
NN2L	JA4MRL	JA0GJJ	K1NU	WA5YNB
ON6SAS	K2UR	JA1PPW	LA5LJA	
W2FP	LA0FA	JA2XW	N0RN	167
W8NW	NE0U	JA7MOL	N4OGW	DK5AD
182	SM7DLK	JF7DZA	N7RO	EC3A
DJ9ON	SV1JG	JK1OPL	N9RC	EI6FR
DK3UA	W6NWS	JR6PGB	RA3DNC	JA6VQA
HK3W	W7MEM	K0TT	SV1LK	K4XD
JA1SHE	ZS1LS	K1KI	UN9L	K6KO
K8RRT	177	K2KA	170	K8NK
UR3EO	9H1SP	K3AJ	DJ6TK	K9MBQ
W1YM	AE5E	K4TR	JA6JPS	N0IJ
181	CT1GFK	K4WS	JE3ENP	N3BNA
DK3WW	IK4ADE	N1EN	JF1WPB	PA3C
JA3ENN	K3WC	OE1WHC	JM1GYQ	RA1AOB
JN4MMO	K4RG	RN7F	K6ZZ	RN9N
K2EP	K9NU	UA3LNM	KI5BLU	S51EC
LZ2ZG	SM6DHU	W8UV	N4PY	VE6WQ
N3OC	W2OR	W8VVG	SP3GTS	W1YW
VE3OSZ	W5LT	WT8C	SV3KH	WA4LOX
W9AJ	W7FI	173	W3IP	WC5N
180	WB7B	5B4ALJ	W9EVI	166
DM2DXA	176	I1JQJ	WA3AFS	4Z1UF
DM3VL	EU1AB	JA9TWN	WP4U	DJ4SO
EA8JF	I6FLD	K1NTR	169	HB9FMN
JA2BDR	JA0DET	K4XR	IK0PEA	IV3TDM
JE2URF	JA5IU	K9YC	JA1ADT	JA1FNA
K6SSS	JA6BJV	KA1J	JE2LPC	JA9LJS
K7BG	JA8KSF	N5FG	JR1IZM	K1KA
LA9AJA	JL1SAM	PY5EW	K1LI	K3KY
N1RR	K8MN	W8HC	N4XX	K4JLD
N4AH	N5OK	172	N7US	K4PB
ON5FP	OK1DWC	EA7TV	UT8MM	K4ZYU
UT2UB	RL3FA	G0BLB	UY5AA	OH2BLD
W1RM	SM5FUG	G3NKC	W6RW	RM3DA
W7BEM	W4BP	IZ5MOQ	W7Yaq	W0DJC
W8TN	W4GD	JA3FGJ	WA9PIE	W1RR
179	YO7NE	JG0CQK	WB3JFS	W8ILC
CT1FPQ	175	JG3IWL	168	WA8TXT
IT9ELD	JA1CHN	K0DEQ	G3MXJ	165
IW0SAF	JA9NLE	K1BD	IK2EGL	DL7UCX
JR7BDQ	JS3CTQ	K6FG	JE7JDL	F6HDH
	K4DLI	KJ0M	JF2UPM	I2ZGC
		W3JX	K5QY	IK0AGU
				JE7RJS

JH7CFX K5JZ KK4CB N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN	JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW	W0SZ W1OX W2XL W3GQ W4QN	154 3V8SF GM3PPE HB9BUN JA8NFV JR3OEH K0KVR NX8Y W1NA W2XI W5DNT WB0TEV WS7L YS1RR	EI9JF F3SG HB9SLO IZ3ENH JA2VQF JA6BEE JH1NYM JR1XIS K2AX K2FW N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7RH WA1Z WA2BCK WP4G
164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG SV2AEL W4DKS W4NS*	160 AD5Q DK1WB DL1DA IK0FUX IW2FND IZ4DPV JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B	157 AA4H AC6DD DL6MRS EA5BY G3TQZ G4GIR JA1GHH JE2DZC JH2QMT JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ YV2IF	153 AA6AA AJ9C DL3ZA G3TJW HL2CFY JF1IRW JR9OPJ K7SP K8VFF KR2Q N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU	150 EA1AF IV3RAV JA2NQG K0RS K5TR K7LV K8AJS KD0PO KU4XO N3QE N9CO OE8SPW SQ5EBM SV1CNS UA6YW W6DAO W7CT WW2DX
163 9A2JK DJ9HX JE2LUN K7NN K8TL UR4CWQ VE3CFK W7AL WW3S	159 JA4FKX JH6QFJ K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT	156 AB9V DL4MM IZ8IEV JO7HAM K0QC K8YSE KS1J N3RC N3UA N7WS OE5RLM 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 K3RA K3TN K4YYL K8ME K8ROX K9MK R8TX SM6CUK UW7UA
162 4O3A 9A4W F3AT JA6GIJ JR5JAQ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ	158 DJ4PT DL1FKA IT9DSZ JA9APS JH1TWT JI1FXS JI1NJC JR1GJP K5TT K9GA OZ1HX RU6M SM4EMO	155 DL1RK DL4SZB JE3GRQ K2LS K4WA NE0DX NW7E SM6VR WE1P ZS6EZ	151 AA7G CU2AP DK2OY	
161 DK2GZ DL6RAI HB9DHK HB9TKS JA1DOF				

W0GG	JK1AJX	WD9DZV	W0SEI	GM3YOR
W2/CT1GIF	JN1BMX		W4NU	IZ0RVI
W7HPW	K1OA	142	W7IV	IZ2FOS
WB8B	K3VAT	I5HOR	W8GNM	JA3APU
WD5K	K4OY	IT9BLB	W8LWU	JA4OK
WS5W	K8BL	JR7WFC	WO2T	JH4JNG
YO3DDZ	KF6HI	K3PP	YL2MU	K2QMF
	N1CGP	K4WZ	YO9FNP	K6EME
148	N4GG	KK1W		K8NS
CT1FCX	N5XZ	LA9VFA	139	LA9GX
DK2CC	NA5C	MM0SAJ	DF7EE	RA3CO
F5CQ	RT0F	N7QT	DJ4XA	RG7G
F5LVL	SM3DTR	NA4D	DL5EBE	UU1JA
JH1QDB		NQ7R	DL8OH	W1ITU
K5VWW	144	NY2NY	JA1TMG	W5ODD
LA6OP	CU3EQ	OK1DO	JH0BQX	WB5JID
N2WB	DL5CW	W2OO	J11DCW	
NE3F	DL5KUA	W5LUA	K3ANS	136
W5FKX	E70T	W5VQ	K6AM	E72U
W9JJB	EI6IZ	WA5POK	K8GI	ER0FEO
	GM3ITN	WB8CQV	K8RF	HB9IQB
147	HB9BYQ		KA8SYV	HB9RYZ
EA3GP	I5MXX	141	KU0A	IK8CNT
F5PAC	IT9GSF	AC9S	LA8WG	JH4HMG
IV3VBM	IV3DXW	DL5MHQ	OK1MP*	K0TV
JA1XQC	IZ4GWE	EW1BA	OK2QA	K4ZO
K7HP	JA3GN	HB9FMT	SM5CBM	K7TM
K8UT	JE1FQV	JA1PTJ	SV8ZC	KR6C
KM1H	K0VSH	JA2ATE	W0SD	N2ZN
N1IBM	N1IX	JA9RRH	WA8WV	OK1DW
PC3T	N3KK	JH1HHC		SM5OJH
W1OP	SM4OLL	JL1UXH	138	SP2BMX
W2KKZ	SM5CLE	K2RW	DK8MCT	UT3UZ
	W4GE	N8OC	DK8YY	UW8SM
146	W5ADD	NJ3K	EI9FBB	W2OIB
EU4A	W7ZI	OE6VIE	F6DDR	WB7QXU
G4FTC	W8RLS	SV3FUO	IK8EPC	
JA1HQG	WC5M	W2CG	JA3OOK	135
JA4DHN	WD5T	W3BW	JF3LOP	5B4MF
JA5XAE	YO3CD	W4JVN	JH7RXU	DJ9ZB
JH1GNU		W4VIC	K1RO	F6FXU
K1CA	143	W4WT	K2RET	IK8GYS
K5KV	DL1DUO	W8HW	KJ6P	IU0HDC
K5SM	DL6EN	ZS1C	LB5WB	JA7LMZ
K6NR	HS0ZEE		ON6AA	JA8BNP
K7WP	K7CMZ	140	OZ8X	JA8JL
N7BT	K7CW	9A1CAL	RW4CY	K1ZE
RU0SN	KJ9C	DF2RG	UN7JID	K4ZRJ
W1IZL	N2RJ	JR2LJO	V51B	K7FL
W1ZT	N2WM	K5WK	W1GD	K7XB
	N5UW	K6KLY	W2YE	NZ9R
145	N6PAT	KF8DX	W4YV	OH1JP
AF4HX	N6PSE	N4XP	W7OM	R7LP
HI3T	NN4R	OH6NIO		RN3RQ
IOJBL	W0IZ	ON7DR	137	SM3LGO
JE6TSP	W6QUV	UN1L	DS1JFY	SM5CZK
JJ3HGJ	WB8ZRV	VE6SV	EA1YO	SP3XR

W1DIG	JR6FC	K7LFY	W4IS	WD4LBR
W1EQ	K6YUI	K8BCK	W6RKC	XE1KK
W2GD	K9ZM	K9GL	ZS1A	YU1EXY
W4BUW	N6HY	NA4EA	ZS6UT	
W4MBD	ON4CAS	NO9E		125
W4RFZ	OZ2RH	OZ2ABI	127	9A1AD
W6JTI	SM4BZH	PY5EG	CT3KN	AG1A
WE4S	SM6BGG	R3VA	HK1MW	GW3TMP
	SP6M	R5QA	JA1DDH	HK4SAN
134	VE3CRG	R9AB	JA1WLO	IK5DNF
CT3HF	W4AXL	RU1AO	JA8RJE	JA4IYL
IK4DCS	W4RBO	SP6JIU	JA9KRO	JA6VU
JA7LGE	W4WM	TA1CM	JH3AIU	JE1TSD
K1TO	W5SL	VE3DO	JS2LHI	JE6UWU
K3OX	W6DR	W2MPK	K0RW	JF2WXS
KX4TT	W7AH	W9ZT	K3TRM	JH4ADK
N9MR*	W7CD		KM3T	JL1RUC
N9RS	W9FR	129	KM4NS	K1HAP
NA5DX	WB3D	HA1RB	N1AC	K5KG
OE1TKW	XE2S	HB9AZZ	N1GC	K8DV
PY5HOT		JA1NWD	OE8HIK	KA6BIM
RG6G	131	JA8JO	S51NM	KI4WCQ
RX4HW	DK7YY	J14POR	SK7AX	LZ1XL
SM0BYD	G3UHU	K4TT	SP6A	N2KA
SV5DKL	HS1NGR	K6XM	SP7ASZ	N3EN
UA0ACG	IV3KFB	N0YY	W0CP	N4JT
W4JKC	JA0AOO	N3KS	W0RT	N9RD
YU1AM	JA2TBS	N3RR	W1OPD	ND5S
	JJ1TEA	W0YVA	W3BG	NW6S
133	JM1FHL	W7QHE	W3MF	OE1AZS
9K2NO	K1UU	W8MET		OE3SGU
EU1U	K5VIP		126	RA0BA
HB9CQK	KC2LSD	128	DJ8WD	UU7JM
IZ8DFO	KH2L	AA4SC	DL9FCY	VE3UTT
JA7GLB	KM3V	DM2RM	F8BPN	W5DAW
JA9AGN	KM4H	IT9ZZO	G4IUF	W8LMG
JR7FRW	N3MK	JA2AHH	IZ7EVZ	W9CG*
K1ZN	N4QWZ	JA2KSP	JA1XCZ	YO2RR
K2CDJ	N5PHT	JA9AA	JA7KY	
KS4YT	N6RK	JE1LFX	JH3CUL	124
KU2A	ON4ON	JH4GJR	JJ1DWT	AA7XT
OE1KM	R0SR	K0FF	JN1RQV	IK3VBB
RA5BM	R9MJ	K3XA	K2ZD	J11DHY
RV4LC	R9SA	K4JAF	K4JKB	KD4POJ
UQ2PZ	W8DCH	K4SE	K4XU	NA2U
VE3WT		K6LPO	LB7ZG	PA0TCA
W0NFL	130	KG7CW	N8NA	UA0BA
W2QO	DF9ZW	N5KM	OK3CQD	VA7CRZ
W5AJ	E73M	OH1ZK	PA3EWP	VE1DUN
	EI2JD	OZ1IKY	PA5TT	W2JU
132	G7VJR	R9SG	VE3CX	W2RIJ
AA4NC	HK0HEU	S53X	VE7BV	W3FM
AB9M	JA2FBC	S55DX	W8MK	W6CYX
AD6W	JG1DUZ	SM3GQP	W8REW	
IT9RDG	K2MYR	SV3DCX	W9ILY	123
JA2KVD	K3NK	VQ9LA	WB0O	AB1OC
JA6CBG	K6SIK	W2WC	WB2REM	AC4TO

DL7JRD	WA7BNG	OZ2A	K3FRK	VE3YF
F4GTB		PZ5RA	K3WGR	W4ZRZ
G4WFO	121	RL3BZ	K4CNW	W6SL
G5LP	AA6RR	SP7ITB	K7PI	W8ZR
HB0WR	DF1DB	SV1IW	K8LN	WA2USA
IK2CHZ	DK1EI	UR5IKN	K8WVA	WC2K
IK3XJP	DK6CQ	UR9QQ	K9DR	
JA0CRG	HB9DHG	US0YA	KD2T	116
JA1SJV	IK2SGB	W2YR	KD6UO	AA8CH
JA3MHA	JA2HYD	W3OA	KG8CW	AJ4F
JA6WJL	J14WAO	W4PRO	KV4AA	DL7URH
JK1EXO	KD8RQE	W6RFL	LZ2HM	EA5BRE
JR1EBE	KG9Z	W7RN	N2MM	HA7PF
K2PK	N0OK	WT4Q	N4DJ	IK0EIE
K3XO	N1JP	ZL4AS	PY2PA	IK2OHG
K4ZIN	N3ND		RN3TT	IT9TQH
K5GH	N6HC	119	SV9COL	IV3HYD
K7UT	SV1AHX	AA3AZ	TA2RC	JA1WTI
K9CS	UQ1GWW	AA4DD	VK4CAG	K1DC
KV4T	UT4EO	AE3T	W1KSZ	K1RI
N2ED	UU2JQ	AJ4A	W4DAO	K9FN
N4DWK	VA3AYA	DK3GG	W4NJ	KT1V
N6MZ	W0QQ	EW4M	W5JMW	KV1J
N9JV	W2GG	G4DJJ	W9FI	NA9Q
N9LQ	W3RJW	HB9AAQ	YO4AUL	PA0JSE
NA2P	W6XI	HB9BCI		RV3ID
NA9RB	W9XX	I2TZK	117	TZ4AM
S50B	W9YE	I4MKN	9Y4VU	UA4PCM
UA3DK	WA1PMA	IU0LFQ	AE0P	W1ENE
UT3QU	WY1G	JA3AZD	BH4IGO	W1WEF
W1AO	XE1VIC	JA4XGC	DL1DWT	W7GG
W4NF		JE2JMV	G3PLP	W7OEV
W8NJR	120	JH6CDI	IT9AAI	W8LRO
WB8K	9A5F	K5UZ	IT9DAA	WP3R
WV4TN	AC9EM	K7EG	JA1HQT	WQ5L
XE1H	AL7TC	K8KWT	JA4FM	
	DL2VWR	K9SG	JA7GYP	115
122	EI2GLB	N0KV	JA7IC	AA5JF
BA4RF	FG5FR	N8PW	JM3GXU	C6AGU
G3NDC	HB9BLQ	N9UA	JR2UBS	CU2CE
JA1MRM	IZ0LKV	NT2A	K1BZ	DL9GOA
JH1AGU	IZ5NFD	NY7T	K2BB	G4XEE
K1ESE	JR3UIC	OH5NG	K6PJ	G8BCG
K1YT	JR6LLN	OK1DT	K8OOK	G8DX
K2MP	K2BA	R6FFB	K8QM	HA5UK
K7ZA	K2HK	SV1ACK	N2BJ	HK3PJ
KR0P	K3QIA	W0RX	N4IR	IZ7JVR
LA7WCA	K5JC	W4HZ	N6MB	JA2KNW
LA8PT	K6FW	W8FIB	N8AA	JA3NHL
N9AW	KA8ZPE	XE1RCS	N8XI	JA5FDJ
NN7X	N3NR		NY4G	JG3LGD
OZ3Y	N4BAF	118	SM7BIC	JH1RFM
RD4A	N4LR	5T5PA	SP8HKT	K0GD
UU4JMG	N4TB	AB2E	UA6J	K0SD
VE6AX	N4TL	DL5OCE	UB3A	K4CMS
W2TB	N4UFP	JA4FHE	UR9IDX	K4GHS
WA3I	OE3EVA	J18DGO	US1CT	K4GK

K5XM	113	EA1JO	G4DBN	K2BLA
K8YTO	9A1A	EI8IU	HL3GOB	K3JRR
KO8SCA	DJ5DT	EW1DO	JA1AUD	K3PH
LY4T	DJ9RR	G3XGC	JA1FGB	K4WW
N0IRM	DL8CM	HB9CEX	JA1NCZ	K6MI
N4OA	DL8DYL	HB9CRV	JE2EHP	K6VKO
N5BO	G4AFJ	HB9G	JE8TGI	KB4MRX
N8KOL	HB9EFK	IK2ANI	JF2WGN	KC2STA
PA3AXU	JA0GCI	IU8FRE	K5WAF	LZ1PM
RZ6MJ	JA1OVD	IZ4DIW	K7ORK	N2CG
UA1ANA	JA4ITW	JA1SXR	K9AJ	N3HBX
UA1CGS	JH1ORA	JA4BXL	KM1R	N3IQ
UA6XT	JH3GCN	JA7BXS	KZ0X	N3JB
UN6T	K0TPP	JR7TEQ	LA0CX	N4KE
W4UCK	K2HAT	K0JPL	N4WJ	NC6K
YL2CZ	K8SL	K1EDG	N7BD	NK7C
	K9GWH	K1KO	N9HF	NY4I
114	KA4RRU	K4UAS	NA1DX	OZ1LCG
BA4DW	KH6DX	K8CC	UR6QA	RD9M
BA7IO	KI0G	KB2FCV	UT1UY	SM5BHW
CT3FN	KT1J	KI4DLS	VE6KC	SP9WZS
CU3AK	N7KO	KM1C	VE7CT	SV1VS
DL6NB	N9ISN	LA8HGA	VE7UF	UA3O
F6CWA	NA3F	N5ZC	W0VHF	US7MM
G3SDL	NG0G	N6MA	W1FO	W0UY
HP3TA	NI5F	N6PE	W3FOX	W3XY
I5OYY	NK5B	RU4SU	W4HOG	W4DC
IK7YZG	ON5UE	SM3DMP	W4OX	W4NE
IW0HEX	R7NA	UA1ACG	W5AQ	W5ZPA
JA4KDT	RA4UN	UA1CEI	W7VS	W6KK
JA5WIZ	RZ3AUL	UT6UD	W8KA	WL7E
JH6WMJ	SM5ARL	VE7XF	W8MIL	XE1FAS
K1RV	SP3EPG	W1HEO	W9RB	YU7AU
K2DC	SV1FKZ	W2CVW	WA2BOT	ZL3NW
K3MD	SV1JFV	W2SKI	WA2MUA	
K3NF	SV2AVP	W3MR	WB4TDH	109
K3OSX	UN7TW	W3UL	WB9EEE	DF1KG
K5CD	VE3KI	W4VHF	YL3DQ	EA3GHZ
K5RJ	W2GW	W5VX	YO6HOY	EU4T
KB8U	W6BK	W6TC		F8EZE
KZ4V	W8FAX	W8GEX	110	G3SVD
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N2JJ	W9HBH	W9SE	DG7RO	JA2CXF
N3MN	W9VNE	WA8OLN	DL1VDL	K2ONP
N4IQ	WA4DOU	WT9U	EA5BYP	K4RDU
NU8Z	WB2HJV	ZP6CW	F5BAR	K5FZ
UA3FT	WB2UFF		G3LNS	K5KA
W0VX	WS4C	111	G8AJM	K5KPE
W4TUN	WX3P	AA4U	HC1BI	K6MW
W5VY	XE1RBV	AB4GE	I2BBJ	KE1F
WA1FCN	ZL1BYZ	AF4OX	IK5RUN	KZ5DX
WA8MCD		CU3AN	IK8UHA	N1BZ
WA9YYY	112	DK2WH	IZ0CKJ	N2WLG
WN9O	A92IO	DK6ED	JA7EPO	N7TY
XE3ARV	DJ1RL	DL1HRN	JE2UFF	N8NN
	DK5RL	EV1R	JH1VHU	ND4V
	DL5CL	F6ECI	K1EO	NN4RR

NU4I	WA2ALY	WB6CJT	W1CWU	R6YY
NX7U	WA4CEM	WB8ART	W2EQ	RA6AF
PY5CC	WA8MOA	WS1L	W2LE	RD4WM
RW4UU	WB8BZK	XE2YWH	W2NO	SP5JXK
RW9QA	WC1M	YL1XZ	W3ICM	UA6LCN
RX3AGD	WC6DX	ZL3RJ	W4IR	UR1RWX
TG9NX	WD9EQU		W5JAY	UR2RGN
UB5ZAL	WW1WW	106	W8OP	VE1PZ
UT7KF		AA4FL	WA4MYO	VR2MY
VU2CPL	107	AE2U	WA6TLA	VY2ZM
W5WP	4Z5LA	DJ6OZ	YL2GN	W1LE
WB5TUF	DJ8ES	DL1QQ	YU3EF	W1LY
WN0L	DK3FB	DL2NOM		W4OWY
YV3AGT	DL2CHN	DL3JSW	105	W5KI
	DL5XU	DL6JZ	DF2PI	W6FF
108	DO4DXA	EA3CCN	DF8AA	WQ5W
AI2Q	EA5AT	HA8DZ	DJ3XD	YU1NR
AL7R	EA7QW	IK0ZIO	DJ6KH	
DL6CNG	FG8OJ	IW3GJF	DL4ZAB	104
ER1LW	G4AKY	JA1VLK	DL6XK	9K2OD
G3VAO	G4RGK	JA2MNB	DO1CTL	9M2AX
HB9BAT	HI8R	JE6IGP	ES1GO	AD1C
HB9FAN	I5IHE	JG3HBO	G3YUV	AG4Q
IK0PRG	IT9XTP	JG5RVQ	HA8FW	AH0U
IZ0BTV	JA5EY	JH2KKW	JA1BWA	CP8HD
IZ2EWR	JA8JTH	JH6PFY	JA1TAA	CX3CE
JA2MOG	JH9DRL	JJ0NCC	JA4EVN	DK3BK
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JK1MZT	K3SW	K0DEW	JA7BME	DL7UPN
K1EP	K3YBN	K1PX	JA8RRF	E73D
K1XM	K8LBT	K4DSE	JA9APM	EA8ZS
K2CJ	K8ZR	K4SAF	JF1RYU	EI9E
K2KQ	KB9DAK	K5AM	JO4CFV	F6AJA
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K4WY	KZ1W	K8JJC	K1DJ	G3BRD
K4YJ	N2RR	KK8X	K2XF	HB9CIP
K6UT	N3DAP	KK9H	K4MS	HK3O
K8OM	N4RF	KP4AA	K5AV	IK0DWN
KM8AM	N6EE	KQ3F	K7OX	JA1SDV
KN4JX	N8AGU	N0JZ	K7PO	JA2FGL
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N9TF	OK3CQR	N8AID	KX2A	JO1WYO
NU4Y	R0FA	NA5Z	LZ1JZ	K0WK
PA0ZH	RN4AA	NI5M	N2DPF	K1BG
R5FY	RV6ARZ	NS3L	N4JI	K3FM
R7LA	SP3BQD	OE5CSP	N4NW	K4KEW
RX6DX	SP6AXW	OH2OT	N4PL	K4MF
S57J	US5CB	OK1AYU	N4SC	K4VIG
SM6AOU	VE3OI	OK2BVG	N4VN	K5HK
UX7UN	VK3NX	S57AL	N6NU	K6UM
UZ6LWZ	W3KB	UR3CRO	ON7PQ	K7TJR
W2UB	W6TDX	UT7UU	OZ4AAL	K9EA
W3NRJ	W8IW	UU5WW	PF7M	KA2BZS
W4ZYT	W8VK	V73AZ	PJ2/K8ND	KH6KG/W5
W7ACD	W9CPV	VQ9SS	PY2DS	KI0KB

KW0A	G4AAW	W6SZN	SP5MXZ	K1YR
LZ2XF	G4PUQ	YO7APA	T77V	K2BX
N3ER	G4VGO		UA1AIR	K2TER
N3TR	I0OSI	102	UA1CKC	K3SEW
N4GU	JA2GQO	A6/RV6LNA	UA6HOF	K4NNX
N4TTE	JA2OLJ	CT4BD	UA9MR	K5DNL
N6PF	JA3FHL	DK3QM	UA9UCO	K6AAW
N6WM	JA8EJO	DL3DXX	UW7CN	K6XJ
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RZ6DX	K9MUG	F6BWO	W5TO	KE4S
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SO5AS	KJ7WY	IT9SFT	WD8DSB	KS4XQ
UA9FGJ	KM9E	IZ4MJP	WS4Y	LA2GV
US5CAO	LX1DA	JA0HXV	WW5G	LA6UL
UT4EK	N0RU	JA1JAT	YO2IS	LZ1XZ
UT7EC	N1HOQ	JA6OXT		N0STL
UX4UM	N9BBQ	JA8OW	101	N2AJ
UY0MM	N9SF	K0YN	AA2VG	N5AQ
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W0YBS	OH4UI	K2LP	AA4NU	N9JCS
W1QA	OK1DQT	K2TK	AC2AC	NE1F
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W7DR	RA4HT	K7UA	DL3ANK	OK3EY
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YO5ODE	SM7BHH	KY6R	G3ZFC	RA3AH
	UA3PFN	LA3ANA	G4FJK	RA4P
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EW3LB	W5THT	S59DJK	JI3KDH	UT4IS
G3BDQ	W5VU	SM6WET	K0LW	UT7HA

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VK2GR	JA9CGW	OE5JDL	YO9FLD
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W1FC	JH7BKN	OK2PAZ	ZS2DL
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W2SF	K0FLY	ON7EH	
W3WH	K0LB	ON7GB	
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WB3HLH	K4KSY	RA6XB	
WC4H	K4QS	RC2A	
WK9U	K4UQC	RN1A	
WR2G	K7VIC	RT5A	
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YO6BHN	K8CS	S59SV	
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	K9NZ	SV2DSJ	
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A41ZZ	KC4D	UA6CEY	
AA4AK	KC5LT	UN6P	
AB4VV	KD8BZY	UR4CW	
AC4VM	KD9HL	UR4LRG	
AI2S	KP4N	UR8IDX	
DJ6OI	KQ5M	US8UW	
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DL1TRK	LU5OM	VE3OAT	
DL9GTB	LU5YF	VE7JKZ	
DU7ET	LZ3YY	VP2VA	
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EA2AAZ	N0AH	W0GYH	
EA3ALD	N0ATQ	W0MU	
EA8AXT	N1KI	W1AN	
EC5A	N1MD	W1YRC	
ES5NC	N2SG	W2CCC	
FM5GU	N2XQM	W3BBO	
G0VXE	N3AF	W4HHN	
G3OIL	N4CRI	W4MAY	
G4CGG	N4ZR	W4OEP	
GM3ZSP	N7DED	W4OV	
I2VGW	N7TK	W5BK	
IK0HFO	N8IL	W7DT	
IK4MSV	N8NB	W7JET	
IS0/YO3RA	N8OQ	W8CNL	
IW0BYL	N9ADG	W8FN	
IW0HQE	NA6O	W8GDQ	
JA1BRK	NB3R	WB4SON	
JA1CPU	NG7A	WU2M	
JA1ILA	NJ3I	WV9L	