

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 05 Dec 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 Digital 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	N1DG OH3SR W2VO	W5IZ	JA1BK JA4LKB K1UO RU3DX
341 EA8AK	324 EY8MM K2TQC K4PI OH2BO S50A W1NG	315 PE5T S50U W1JR	309 I4EWH IK4MGP	302 DL4MCF SV8JE
340 K1ZM		314 IK4GME NX4D OG2M OK3GU OZ1LO RW2A UA4CR	308 IV3PRK K4SV K8GG UT3UA	301 DL9KR F6BKI LZ2JE N1RJ N3XX SM3EVR SP3EPK
339 W4DR W4ZV	323 SP5EWY		307 DJ7MI N4RJ OH5VT VE3EJ	
335 OH2BU R7LV	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q YU1FW	300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU PA3FQA VA3EF
334 N4WW	321 WB9Z	312 OH1MA S54E	305 CT1EEB JA7NI K4ZW N4IS NN4T UA6A	299 K4TEA N1BUG SV1FJA SV8CS UX1UA W7UT
332 UR0MC	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I RA7A RZ3AM SP2FAX	304 DJ0MDR GM3GAV SM3GSK	
331 K5UR LZ2DF UT7QF	319 N0XA SM4CAN UT5UGR W9ZR			
330 AA1K HA0DU OH1XX R4GM	318 4X4DK	310 I4AVG RA3CQ SM5BFJ SM6CVX	303 F5LGE G0JHC GM3YTS	
329 K3UL UA4HBW	317 W3LPL			298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ
328 UA4CC	316 IK4WMA K5RK			

RA3DX SM5CEU	290 UA3AKO UT1UY	R3OK SM6DHF	SP9DWT	269 K6ND KD5M W1ZC
297 DK5PR N4CC OM2XW W0FLS	289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD HB9BIN I0WDX IK6DLK K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	276 G3LZQ N8RR N9IW OK1AWZ VE2TZT	268 DL5DSM G3WPH K8PT RA3XDX W1MK
296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ	288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	281 DF2PY JA2PJC K1CP S59Z W4TO	275 9A1CCY F5NBU I2AOX IK4CIE K2UO K4IQJ SP6AEG UW2ZM	267 LU8DPM RZ3DX
295 K3UA			274 CT1EKY G3TXF JA8ISU KF2O W6UB	266 G4OBK K1QX NR1R R3LA W1GL W8TE W8XD
294 DL1AMQ JH2FXK LA5HE N0TB RJ3AA WD5COV	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	280 EA6NB KG4W RV3LO SP6HEQ YO3APJ	273 IK8HJC K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	265 AA4V* AA6YQ AA7A EA5BM EI7BA K4XP RW0LT SP5DIR YO5BRZ
293 JH4UYB S58T	286 DJ2YA K3SX N3SL PA0WRS UA3AB UR5WA UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	264 IK2YCW K7ZV N3NT
292 G4BWP IK1GPG IZ0AEG JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W5ZN W8TOP	285 G4CCZ K5XI	278 DK0EE F6BEE JA3FYC K5DU RU3FM	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV SP9JZU	263 IZ1ANU K9OW KX4R LA5IIA W2SM W3AP
291 9A7V I5NPH KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ	284 SP3DV UX1AA	277 AA4MM DJ9VA DK5WL F6AOJ HB9AMO IK5BAF K1ZZ OH3BU ON7TK	270 AA1V LA3MHA OE5KE SV8BHN	262 G0DQS IK5HHA KR9U N5KD W1YY
	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M			

261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S	I1EIS N0AT OM3DX WA4FFW	NN4X NO2R OE2LCM R7IA WA7NS WB3AVN YO9HP	N7RT OK1DWJ SP5GRM UA3TT VE1YX VE3NH	KC7V OK2ZI OZ4O SP8AJK
260 K1LT K4DY UT9FJ	253 5B4AGN IV3YYK JQ3DUE K5ESW S58Q UA1OMS W0YG	246 DJ2TI F2JD IK0MHR JF8QNF K2FF N6TR TF4M UR5EDX W2TQC W5XZ	240 EA6ET JA5MHD JR3GWZ K0JUH K0KT K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JA0FSB JH4ADV K3SWZ N6DX R7DX VE3XN
259 DF4PL F6GCP G3ZSS I1FQH K8FL R9FM	252 EA1DR JA2VPO JF2MBF JG3QZN JR3IIR ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV JA7QVI N9US RL9F RY7G W9XY	239 AJ6T K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK UW5ZM W3LL	234 IZ8FFA JG1ULJ K1AR K4UTE KF0QR PY1BVY S51DI
258 KW9A N2NL RN3CT VE3QAA	251 DJ7RD DL9RT JH0BBE PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP JA1HGY ON4IQ	233 DJ5FI JH1HGC K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO	233 DJ5FI JH1HGC K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO
257 JH1GZE K1GUN K9NW N4II N8TR W9YSX	250 AB3CV HB9RG IK0XBX NQ1K OZ8BZ SV8CKM	243 DK2JX DK3DG JA0CRI ON4ATW S57A W9RPM WX4G	238 AC4G DL8WN IK0XEZ IZ1LBG JA0DAI OK1CF RA0FF VO1HP	232 EA1N FK8CP JA8EAT K2AZ K4XL NI6T UA3AP
256 9A5CY JA5BZL K5VRX KY7M SV8GFW W1TSP W3DF	249 AI9L K9RX SP5DRH	242 EA4KD G8VR KG7H	237 DL7MAE IW1ARB NI0G OM4EX WA7NB	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX
255 IV3ODE K4QL N2MF R5AJ UX0FF VK4MA W3KX W5OZI	248 K3WW K5RX SM3VAC T77C W9NGA	241 JA1SYY JA3EMU K5ZK KA9CFD N4XM N5TY*	236 AB4I K1JO K5EK K9NR K9ZO	230 DF6PB JA1CMD
254 AA1QD	247 K0IEA K6XT			

KD0Q N8JV SM3NXS W4GF W4VQ	K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP8NR VA5DX W7KW	JF3KON JR4OZR KA1R N1LN VE3EXY	W0UO W2LK W6YI	JA7MSQ JJ2LPV UW7LL W7JW
229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	224 MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ	219 IK3VUU JA2FBY JA2FJP LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2IVK JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA KG9N N9LB VE1DX W0ZR W7KNT W9OO
228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO UR5FEO ZS4TX	218 AD5A DJ4PI DK0PM IK1YDB JA6LCJ JA8CDT K0EU K5EJ K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT LA7HJA N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
227 DL7HU ES1RA I3BUI IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW N6JV W9BF	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR N8PR N9BX SM0CCM	217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW PY2XB W0LS
226 9A8A DL5WW JA6BZI JF2KOZ JR6EZE K9FD* ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT	221 JA2WYN JJ3PRT K4MWB K8SIX KV7K N6VR VE3LYC W1ZK W6JRY WS6X	216 F6DAY JA9PPC K3JGJ N4PQX N5UL OE1ZL RA1QD RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	211 EA1RT IK4DRR JA4DEN K3WA RU3SD WA5VGI WP4U	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC N8DJX SM6BZV US0KW VE3BW
225 A45XR JH7PFD K1MM K5AB	220 AG8B DK2NG HB9LCW HL5IVL	215 IZ8FWN JH0INP N7JW	210 I8SAT	

205 F6EXV I4KDJ JA3AAW K9YY KA9FOX W8UN WB8ZRL	N7KA OK1DOT R9TO RA3S UA9FAR ZL3IX	JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS W4UM XE2X	DL6ZXG EA3WD HA5BSW K4ODL N5LZ N9EN PA0LOU RN1ON UA0CA W9MU WA2VYA	FM5CD SM0NJO SP7HOV UA7T WA3C
204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A N4NX N4QS N7FU SM2OAN UA0SR US6EX W2HUV WD8PKF WF4U WI8A	201 AG4W CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK W2IRT W5TCX	196 4Z4DX AA4HP IK4PLW JA3RAR K8PO KP2A ND0N RA9CMO RZ4FO W2FCR	192 9A2NA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG LA0FA N4DB OH2IS W3UA W3YQ W8LGJ	188 AB4IQ CT1FMX JA1KQX KB0EO KB1EFS KE9ET KL0S N8LJ RM0F W1YM W6SR W8JV WA6YEE
203 AA5AM JA2XYO JE1PNX K4XO K9MMS KK2I NK1K OH1TV PA0A R6AF W7DO W8GC WA2HZO	200 G0OIL IK0FVC JA1GTF JH2RMU K1GE K1GG LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W3GG	195 EA3JL EA5RM G3ZEM JA0EOK JA1EOD JH1QAX JN7FAH K3PA K7SO K9RT KF8UN N1SV W5ZG W9OP	191 CT3MD JA1ANR K0BBC K0JGH K8FC K9LA NE1B RK2FWA WE9R	187 AJ1H JA8DNV K0SR K6SRZ KN5O N2NS OK1CZ SP3FAR W7AWA
202 DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM	199 DK2LO G0BNR HB9DDO JA2DPC K6G XO KB8VAO N4DW W1TO YO2DFA	194 JA1XEC K4KDX K9JF KB9LIE LA7AFA SM7GIB W2LO W4FC WD8JJA WN6W	190 IZ8XQC JA0VSH JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH SP2LNW VE7VV	186 IK2QPR JA2LCP K0BJ K7LAY YL2TW
	198 DL1ROJ G3UJE G4BUE I5KKW IT9JNR JA4PXC RX3APM W8HB	193 CT1IUA DF2GH DK1FW DL5ZB		185 AB6QM CT1EAV EA6BF G3KWK IK3SWB K5ZD LA3WAA N4TJ N5UR OE2BZL SV1DPI UA9CBO
	197 G3SNN JE1BMJ		189 9A2F AA1ON EA8PP	184 HA5WA JA2ZL JF1NZW

K4HGX	179	175	K0DEQ	JE7JDL
K5KLA	IT9ELD	JA1CHN	K1BD	JF2UPM
KB4ET	IW0SAF	JG0CQK	K6FG	K4XD
N9RC	JA9NLE	JH2QMT	KJ0M	K5QY
S57AC	K0TT	JS3CTQ	VE6WQ	K8RYU
US8UA	K8WK	K4DLI	W3JX	KR4F
UT2UB	N2PK	K5GKC	W4FQT	N4QQ
W2YJ	OK1MG	LA5LJA	WA9PIE	N8BJQ
	S57UN	N7IR	WC4X	PA7F
183	SM4DDE	N7XR		SP5GH
CT1FPQ	SV3FUP	PE1L	171	SP6EQZ
HK3W	W8KEN	TF3SG	AA9D	SV2AEL
IT9INO		VE3FF	DL6KR	W4SVO
K4CN	178	W8HC	G0EHO	W6VX
K8RRT	4Z5CX	WX0V	HA9PP	W8OI
K8VC	EA3CJ		JA6HUG	WA0MHJ
N9MB	JA4MRL	174	JR1TNE	WA5YNB
NN2L	JL1SAM	4Z5MU	K1NU	
ON6SAS	K2UR	JA0GJJ	KI5BLU	167
W2FP	NE0U	JA1PPW	N0RN	DK5AD
W8NW	SM7DLK	JA2XW	N4OGW	EC3A
	SV1JG	JA7MOL	N7RO	EI6FR
182	W6NWS	JF7DZA	RA3DNC	K6KO
DJ9ON	W7MEM	JK1OPL	SV1LK	K8NK
DK3UA	ZS1LS	JR6PGB		K9MBQ
JA1SHE		K1KI	170	N0IJ
JA3ENN	177	K2KA	DJ6TK	N3BNA
JR7BDQ	9H1SP	K3AJ	JA6JPS	OH2BLD
N3OC	AE5E	K4TR	JE3ENP	PA3C
UR3EO	CT1GFK	K4WS	JF1WPB	RA1AOB
	K3WC	N1EN	JM1GYQ	RN9N
181	K4RG	OE1WHC	K6ZZ	S51EC
DK3WW	K9NU	RN7F	N4PY	W1YW
JA2BDR	OK1DWC	UA3LNM	SP3GTS	WA4LOX
JA9TWN	SM6DHU	W8UV	SV3KH	WB0TEV
JN4MMO	W2OR	W8VVG	W9EVI	WC5N
K2EP	W5LT	WT8C	WA3AFS	
LZ2ZG	W7FI			166
VE3OSZ	WB7B	173	169	4Z1UF
W9AJ		5B4ALJ	IK0PEA	DJ4SO
	176	I1JQJ	JA1ADT	HB9FMN
180	EU1AB	K1NTR	JE2LPC	IV3TDM
DM2DXA	G0BLB	K4XR	JR1IZM	JA1FNA
DM3VL	I6FLD	K9YC	K1LI	JA9LJS
EA8JF	JA0DET	KA1J	N4XX	K1KA
IK4ADE	JA5IU	N5FG	N7US	K3KY
JE2URF	JA6BJV	PY5EW	UT8MM	K4JLD
K6SSS	JA8KSF	RC9F	UY5AA	K4PB
K7BG	K8MN	UN9L	W6RW	K4WA
LA9AJA	N5OK	W3IP	W7Yaq	K4ZYU
N1RR	RL3FA		WB3JFS	RM3DA
N4AH	SM5FUG	172		W0DJC
ON5FP	SP1MGM	EA7TV	168	W1RR
W1RM	W4BP	G3NKC	G3MXJ	W8ILC
W7BEM	W4GD	IZ5MOQ	I2ZGC	WA8TXT
W8TN	YO7NE	JA3FGJ	IK2EGL	
		JG3IWL	JA6VQA	

165 DL7UCX F6HDH HB9TKS IK0AGU JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN NY0V SM4CTT W5BN	161 DK2GZ DL6RAI HB9DHK JA1DOF JH4ALY K1USA K5GO K8ND LB2TB N4GN OE5RLM OH6RA VK3HJ YU2TW	IT9DSZ JH1TWT JI1FXS JI1NJC JR1GJP K1CA K5TT K9GA OZ1HX RU6M SM4EMO W0SZ W1OX W2XL W3GQ W4QN	DL4SZB K2LS NE0DX NW7E SM6VR W2XI WE1P WS5W ZS6EZ	UT5AB VE6LB W1SKU W1VT W6RLL W7AJ WB3CQM
164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG W4DKS W4NS* WP4G WW3S	160 AD5Q DK1WB DL1DA IK0FUX IW2FND JA2EPW JE2DZC JE2OVG JF2XGF JR7MAZ K3MSB K3RA NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B	157 AA4H AC6DD DL4MM DL6MRS EA5BY G3TQZ HB0CC JA1GHH JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ WS7L YV2IF	154 3V8SF GM3PPE HB9BUN JA8NFV JR3OEH K0KVR KR2Q NX8Y SV1CNS W1NA W5DNT YS1RR	151 AA7G DK2OY EI9JF F3SG HB9SLO JA2VQF JA6BEE JH1NYM JR1XIS K2AX K2FW N2ZN N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7CT W7RH WA1Z WA2BCK
163 9A2JK DJ9HX JE2LUN JH4CPC K7NN K8TL OK2QA UR4CWQ VE3CFK W7AL	159 JA4FKX JA9APS JH6QFJ JL1RUC K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT	156 AB9V FM5BH IZ8IEV JE3GRQ JO7HAM K0QC K8YSE KS1J N3RC N3UA N7WS UA3SAQ VA3LX W1YIF W4TV	153 AJ9C CU2AP DF2RG DL3ZA G3TJW HL2CFY IZ3ENH JF1IRW JR9OPJ K7SP K8VFX KD0PO LZ1PM N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU	150 EA1AF IV3RAV JA1SVP JA2NQG K0RS K1OA K5TR K7LV K8AJS KU4XO LA6OP N3QE N9CO OE8SPW ON6AA SQ5EBM UA6YW W2/CT1GIF W6DAO WW2DX
162 4O3A 9A4W F3AT IZ4DPV JA6GIJ JR5JAQ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ	158 AA6AA CT1FCX DJ4PT DL1FKA G4GIR	155 DL1RK	152 EW2A JT1CO K9MK KQ4AV KS3F N9OY S55ZZ UA6IGI UN7LZ	149 DL7CX

HB9HFN	OH1JP	DL6EN	W4WT	LB5WB
I0JBL	RU0SN	HB9RYZ	W8GNM	OZ8X
IK4FNF	W1IZL	IT9BLB	W8HW	RW4CY
JL1ARF	W1ZT	K7CMZ	ZS1C	UN7JID
K3TN		K7CW		V51B
K4YYL	145	N2RJ	140	W1GD
K5VWW	AF4HX	N2WM	9A1CAL	W2YE
K7HP	HI3T	N5UW	JA4OK	W4YV
K8ME	IZ0RVI	N6PAT	K5WK	W7OM
K8ROX	JE6TSP	NN4R	K6KLY	
R8TX	JH4HMG	W0IZ	KF8DX	137
SM6CUK	JH7RXU	W6QUV	N4XP	EA1YO
UW7UA	JJ3HGJ	WB8CQV	OH6NIO	GM3YOR
W0GG	JK1AJX	WB8ZRV	ON7DR	IZ2FOS
W7HPW	K3VAT	WD9DZV	UN1L	JA3APU
WB8B	K4OY		VE6SV	K2QMF
WD5K	K8BL	142	W0SEI	K8NS
YO3DDZ	KF6HI	I5HOR	W4NU	RA3CO
	KR0P	JA2ATE	W7IV	RG7G
148	N1CGP	JH0BQX	W8LWU	UU1JA
DK2CC	N4GG	JR7WFC	WO2T	W1ITU
F5CQ	N6PSE	K3PP	YL2MU	W5ODD
F5LVL	RT0F	K4WZ	YO9FNP	WB5JID
F5PAC	SM3DTR	K6EME		
G4FTC	W5ADD	KK1W	139	136
JH1QDB		LA9VFA	DF7EE	E72U
JL1UXH	144	MM0SAJ	DJ4XA	ER0FEO
N2WB	CU3EQ	N7QT	DL5EBE	HB9IQB
N5XZ	DL5CW	NA4D	DL8OH	IK8CNT
NE3F	DL5KUA	NQ7R	DS1JFY	K0TV
W5FKX	E70T	NY2NY	HB9CQK	K4ZO
W9JJB	EI6IZ	OK1DO	JA1TMG	K7TM
	GM3ITN	W2OO	K3ANS	KR6C
147	HB9BYQ	W5LUA	K6AM	NA5DX
EA3GP	HS0ZEE	W5VQ	K8GI	OK1DW
IV3VBM	I5MXX	WA5POK	K8RF	SM5OJH
JA1XQC	IT9GSF		KA8SYV	SP2BMX
JN1BMX	IV3DXW	141	KM3T	UT3UZ
K8UT	IZ4GWE	AC9S	KU0A	UW8SM
KM1H	JA3GN	DL5MHQ	LA8WG	W2OIB
N1IBM	JE1FQV	EW1BA	OK1MP*	WB7QXU
NA5C	K0VSH	HB9FMT	SM5CBM	
PC3T	KJ9C	JA1PTJ	SV8ZC	135
W1OP	LA9GX	JA9RRH	W0SD	5B4MF
W2KKZ	N1IX	JH1HHC	WA8WV	DJ9ZB
	N3KK	JH4JNG		F6FXU
146	SM4OLL	JI1DCW	138	IK8GYS
EU4A	SM5CLE	JR2LJO	DK8MCT	IU0HDC
JA1HQG	W4GE	K2RW	DK8YY	IZ7EVZ
JA4DHN	W7ZI	N8OC	EI9FBB	JA2KVD
JA5XAE	W8RLS	NJ3K	F6DDR	JA7LMZ
JH1GNU	WC5M	OE6VIE	IK8EPC	JA8BNP
K5KV	WD5T	SV3FUO	JA3OOK	JA8JL
K5SM	YO3CD	W2CG	JF3LOP	K1ZE
K6NR		W3BW	K1RO	K4TT
K7WP	143	W4JVN	K2RET	K4ZRJ
N7BT	DL1DUO	W4VIC	KJ6P	K7FL

K7XB	RV4LC	R9MJ	JA5FDJ	F8BPN
NZ9R	UQ2PZ	R9SA	JA9AA	G4IUF
R3VA	VE3WT	W8DCH	JE1LFX	JA7KY
R7LP	W0NFL	ZS1A	JH4GJR	JH3CUL
RN3RQ	W2QO	130	K0FF	JJ1DWT
SM3LGO	W5AJ	DF9ZW	K3XA	JN1RQV
SM5CZK	132	E73M	K4JAF	K2ZD
SP3XR	AA4NC	EI2JD	K4SE	K4JKB
SV5DKL	AB9M	G7VJR	K6LPO	K4XU
W1DIG	AD6W	HK0HEU	KG7CW	N8NA
W1EQ	IK3VBB	IK3XJP	KM4NS	OE3SGU
W2GD	IT9RDG	JA2FBC	N5KM	OK3CQD
W4BUW	K6YUI	JG1DUZ	OZ1IKY	PA5TT
W4MBD	K9ZM	JI4POR	R9SG	VE3CX
W4RFZ	N6HY	K2MYR	S53X	VE7BV
W6DR	OZ2RH	K3NK	S55DX	W8REW
W6JTI	SM4BZH	K7LFY	SM3GQP	W9ILY
WE4S	SM6BGG	K8BCK	SV3DCX	WB0O
134	SP6M	K9GL	US8UW	WB2REM
CT3HF	VE3CRG	KO8SCA	VQ9LA	WD4LBR
HA1RB	W4AXL	NA4EA	W2WC	YU1EXY
IK4DCS	W4RBO	NO9E	W4IS	125
JA7LGE	W4WM	OZ2ABI	W6RKC	9A1AD
K1TO	W5SL	R5QA	W8KA	AG1A
K1ZN	W7AH	R9AB	ZS6UT	GW3TMP
K3OX	W7CD	RU1AO	127	HK4SAN
KX4TT	W9FR	S51NM	CT3KN	JA4IYL
N9MR*	WB3D	TA1CM	HK1MW	JA6VU
N9RS	XE2S	VE3DO	JA1DDH	JE1TSD
OE1TKW	131	W2MPK	JA1WLO	JE6UWU
OH1ZK	DK7YY	W9ZT	JA8RJE	JF2WXS
PY5HOT	DL9FCY	129	JA9KRO	JH1AGU
RG6G	G3UHU	HB9AZZ	JH3AIU	K1HAP
RX4HW	HS1NGR	JA1NWD	JS2LHI	K5KG
SM0BYD	IV3KFB	JA8JO	K0RW	K9GWH
SP6JIU	JA0AOO	K6XM	K3TRM	KA6BIM
UA0ACG	JA2TBS	K8DV	N1AC	KI4WCQ
W4JKC	JH4ADK	LB7ZG	N1GC	LZ1XL
YU1AM	JJ1TEA	N0YY	N9RD	N2KA
133	JM1FHL	N2BJ	OE8HIK	N3EN
9K2NO	K1UU	N3KS	PA3EWP	N4JT
EU1U	K5VIP	N3RR	SK7AX	ND5S
IK5DNF	K6SIK	W0YVA	SP6A	NW6S
IZ8DFO	K9DR	W7QHE	SP7ASZ	OE1AZS
JA6CBG	KC2LSD	W8MET	W0CP	RA0BA
JA7GLB	KH2L	W8MK	W0RT	UU7JM
JA9AGN	KM3V	128	W1OPD	VE3UTT
JR6FC	KM4H	AA4SC	W3BG	W5DAW
JR7FRW	N3MK	DM2RM	W3FOX	W9CG*
K2CDJ	N4QWZ	IK2SGB	W3MF	WV4TN
KS4YT	N5PHT*	IT9ZZO	W8LMG	YO2RR
KU2A	N6RK	JA1XCZ	XE1KK	124
OE1KM	ON4ON	JA2AHH	126	AA7XT
ON4CAS	PY5EG	JA2KSP	AC9EM	AB1OC
RA5BM	R0SR		DJ8WD	J11DHY

KD2T	IU0LFQ	120	JH6CDI	IT9DAA
KD4POJ	JA1MRM	9A5F	K3NF	JA1HQT
NA2U	K1BZ	AA5JF	K5UZ	JA4FM
PA0TCA	K1ESE	AL7TC	K7EG	JA7GYP
UA0BA	K1YT	DL2VWR	K8KWT	JA7IC
VA7CRZ	K2MP	FG5FR	K9SG	JM3GXU
VE1DUN	K7ZA	HB9BLQ	N0KV	JR2UBS
W2JU	LA7WCA	IZ0LKV	N9UA	K2BB
W2RIJ	LA8PT	IZ5NFD	NT2A	K6PJ
W3FM	N3NR	JA4EPE	NY7T	K8OOK
W6CYX	N9AW	JR3UIC	OH5NG	K8QM
WB8K	NN7X	JR6LLN	OK1DT	K9FN
	OZ3Y	K2BA	R6FFB	N2JJ
123	RD4A	K2HK	SV1ACK	N4IR
AC4TO	SP9WZS	K3QIA	VE3YF	N8AA
DL7JRD	UU4JMG	K6FW	W4HZ	N8XI
F4GTB	VE6AX	KA8ZPE	W8FIB	NY4G
G4WFQ	VK4CAG	N4BAF	WC2K	ON5UE
G5LP	W2TB	N4LR	XE1RCS	OZ5HP
HB0WR	WA3I	N4TB		SM7BIC
IK2CHZ	WA7BNG	N4UFP	118	SP8HKT
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JA1SJV	121	OE3EVA	AB2E	UB3A
JA3MHA	AA6RR	OZ2A	DL5OCE	UR9IDX
JA6WJL	AA8CH	PZ5RA	JA4FHE	US1CT
J14WAO	DF1DB	RL3BZ	J18DGO	W4ZRZ
JK1EXO	DK1EI	SP3PLD	JN7DOS	W6SL
JR1EBE	DK6CQ	SP7ITB	K3WGR	W8ZR
K2PK	EI2GLB	SV1IW	K4CNW	WA2USA
K3FRK	HB9DHG	UR5IKN	K5XM	
K3XO	IT9AAI	US0YA	K7PI	116
K4ZIN	JA2HYD	W0RX	K8LN	AJ4F
K5GH	KD8RQE	W2YR	K8WVA	DL7URH
K5JC	KG9Z	W3OA	KD6UO	EA5BRE
K7UT	N0OK	W4PRO	KG8CW	HA7PF
K9CS	N1JP	W6RFL	KV4AA	HB9EFK
KV4T	N3ND	W7RN	LZ2HM	IK0EIE
N2ED	N4TL	WP3R	N2MM	IK2OHG
N4DWK	N6HC	ZL4AS	N4DJ	IT9TQH
N6MZ	SV1AHX		N6MB	IV3HYD
N9JV	SV1FKZ	119	PY2PA	JA1WTI
N9LQ	UQ1GWW	AA3AZ	RN3TT	JE2EHP
NA2P	UT4EO	AA4DD	SV9COL	JH3GCN
NA9RB	UU2JQ	AE3T	TA2RC	K1DC
S50B	VA3AYA	AJ4A	W1KSZ	K1RI
UA3DK	W0QQ	DK3GG	W4DAO	KT1V
UR9QQ	W2GG	DL9OBY	W4NJ	KV1J
UT3QU	W3RJW	EW4M	W5JMW	NA9Q
W1AO	W6XI	G4DJJ	WX3P	OH8LXT
W4NF	W9FI	HB9AAQ	YO4AUL	OZ1LCG
W8NJR	W9XX	HB9BCI		PA0JSE
WT4Q	W9YE	I2TZK	117	RV3ID
XE1H	WA1PMA	I4MKN	9Y4VU	TZ4AM
	WY1G	IK0ZIO	AE0P	UA4PCM
122	XE1VIC	JA3AZD	BH4IGO	W1ENE
BA4RF		JA4XGC	DL1DWT	W1WEF
G3NDC		JE2JMV	G3PLP	W7GG

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WQ5L	K2DC	VE3KI	W8GEX	DL1VDL
115	K2HAT	W2GW	W8HMK	EA5BYP
C6AGU	K3MD	W6BK	W9SE	F5BAR
CU2CE	K3OSX	W8FAX	WA8OLN	G3LNS
DL9GOA	K5CD	W9DX	WT9U	G8AJM
G4XEE	K5RJ	W9VNE	ZP6CW	HC1BI
G8BCG	KB8U	WA4DOU	111	HI8R
G8DX	KZ4V	WB2HJV	9K2OD	I2BBJ
HA5UK	N1QY	WB2UFF	AA4U	IK5RUN
HK3PJ	N3MN	WS4C	AF4OX	IK8UHA
IW0HEX	N4IQ	ZL1BYZ	CU3AN	IZ0CKJ
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JG3LGD	W4TUN	DL5CL	EV1R	K2BLA
JH1RFM	WA1FCN	EA1JO	F6ECI	K3JRR
K0GD	WA4CEM	EI8IU	G4DBN	K3PH
K0SD	WA8MCD	EW1DO	HL3GOB	K4WW
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K4GHS	WN9O	HB9CEX	JA1FGB	K6VKO
K4GK	XE1RBV	HB9CRV	JA1NCZ	KB4MRX
K8YTO	XE3ARV	HB9G	JE8TGI	KC2STA
KZ5DX	113	IK2ANI	K0FLY	N2CG
LY4T	9A1A	IU8FRE	K5WAF	N3HBX
N0IRM	DJ5DT	IZ4DIW	K7ORK	N3IQ
N4OA	DJ9RR	JA1SXR	K9AJ	N3JB
N5BO	DL8CM	JA4BXL	KM1R	N4KE
N8KOL	DL8DYL	JA7BXS	KP4AA	NC6K
PA3AXU	DL9GTB	JF2WGN	KZ0X	NK7C
RZ6MJ	G4AFJ	JR7TEQ	LA0CX	NY4I
UA1ANA	JA0GCI	K0JPL	N4WJ	RD9M
UA1CGS	JA4ITW	K1EDG	N7BD	SM5BHW
UA6XT	JH1ORA	K1EO	N9HF	SV1VS
UN6T	K0TPP	K1KO	NA1DX	UA3O
W4UCK	K8SL	K4UAS	UR6QA	US7MM
W5VY	KA4RRU	K8CC	VE6KC	W0UY
W9HBH	KH6DX	KB2FCV	VE7CT	W3XY
YL2CZ	KI0G	KI4DLS	VE7UF	W4DC
114	KT1J	KM1C	W0VHF	W4NE
AB4GE	N6PE	LA8HGA	W1FO	W5ZPA
BA4DW	N7KO	N5ZC	W4HOG	W6KK
BA7IO	N9ISN	N6MA	W4OX	WL7E
CT3FN	NA3F	RU4SU	W5AQ	XE1FAS
CU3AK	NG0G	SM3DMP	W7VS	YU7AU
DL6NB	NI5F	UA1ACG	W8MIL	ZL3NW
F6CWA	NK5B	UA1CEI	W9RB	109
G3SDL	NZ3M	UT6UD	WA2BOT	DF1KG
HP3TA	R7NA	VE7XF	WA2MUA	EA3GHZ
I5OYY	RA4UN	W1HEO	WB4TDH	EU4T
IK7YZG	RZ3AUL	W2CVW	WB9EEE	F8EZE
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	SV1JFV	W4VHF		JA2CXF

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K5KA	NU4Y	N8AGU	N2CW	K7PO
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K6MW	R5FY	OE1CP	N3XM	KI5T
KE1F	R7LA	OK2BUZ	N8AID	KT2E
N1BZ	RA1OHX	OK3CQR	NA5Z	KX2A
N2WLG	RX6DX	R0FA	NI5M	LZ1JZ
N7TY	S57J	RN4AA	NS3L	N2DPF
N8NN	SM6AOU	RV6ARZ	OE5CSP	N4JI
ND4V	UX7UN	SP3BQD	OH2OT	N4NW
NN4RR	UZ6LWZ	SP6AXW	OK1AYU	N4PL
NU4I	W2UB	US5CB	OK2BVG	N4SC
NX7U	W3NRJ	VE3OI	S57AL	N4VN
PY5CC	W4ZYT	VK3NX	UR3CRO	N6NU
RW4UU	W7ACD	W3KB	UT7UU	N7DR
RW9QA	WA2ALY	W4MAY	UU5WW	ND3L
RX3AGD	WA8MOA	W6TDX	V73AZ	ON7PQ
TG9NX	WB8BZK	W8IW	VQ9SS	OZ4AAL
UB5ZAL	WC1M	W8VK	W1CWU	PF7M
UT7KF	WC6DX	W9CPV	W2EQ	PJ2/K8ND
VU2CPL	WD9EQU	WA0RVK	W2LE	PY2DS
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WB5TUF	ZS2DL	WB8ART	W3ICM	RA6AF
WN0L		WS1L	W4IR	RD4WM
YV3AGT	107	XE2YWH	W5JAY	SP5JXK
	4Z5LA	YL1XZ	W5KI	UA6LCN
	DJ8ES	ZL3RJ	W8OP	UR1RWX
108	DK3FB		WA4MYO	UR2RGN
AI2Q	DL1QQ	106	WA6TLA	VE1PZ
AL7R	DL2CHN	AA4FL	YL2GN	VR2MY
DL6CNG	DL5XU	AE2U	YU3EF	VY2ZM
ER1LW	DO4DXA	DJ6OZ		W1LE
G3VAO	EA5AT	DL2NOM	105	W1LY
HB9BAT	EA7QW	DL3JSW	DF2PI	W1MRH
HB9FAN	FG8OJ	DL6JZ	DF8AA	W4OWY
IK0PRG	G4AKY	EA3CCN	DJ3XD	W6FF
IZ0BTV	G4RGK	HA8DZ	DJ6KH	WQ5W
IZ2EWR	I5IHE	IW3GJF	DL4ZAB	YU1NR
JA2MOG	IT9XTP	JA1VLK	DL6XK	
JJ2PIK	JA5EY	JA2MNB	DO1CTL	104
JK1MZT	JA6OXT	JE6IGP	ES1GO	9M2AX
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K2MK	K1TZQ	JJ0NCC	JA4EVN	CX3CE
K4SAF	K3SW	JR0EQQ	JA6VA	DK3BK
K4WY	K3YBN	K0DEW	JA7BME	DL4FAP
K4YJ	K4MS	K1PX	JA8RRF	DL7UPN
K6UT	K8LBT	K4DSE	JA9APM	E73D
K8OM	K8ZR	K5AM	JF1RYU	EA8ZS
KM8AM	KB9DAK	K5ZQ	JF2VAX	EI9E
KN4JX	KE2R	K8JJC	JO4CFV	F6AJA
LU2DKT	KZ1W	KD9HL	K1DJ	F8GB
LZ3YY	N2RR	KK8X	K2XF	G3BRD

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HK3O	W5GJ	R9GM	K7UA	DL1KS
IK0DWN	W5ZO	RA0FA	K8BHZ	DL3ANK
JA1JAT	W6PH	RA4HT	KJ6NZ	DL5JS
JA1SDV	W7DR	RK3QY	KN4KL	DM3ML
JA2FGL	WA0I	RU3OW	KW4BY	EA1WX
JF1EGO	WA9ETW	SM3CBR	KY6R	EU1TT
JF6WTY	YC0LOW	SM6EHY	LA3ANA	G3ZFC
JK1BSM	YO5ODE	SM7BHH	LA6UL	G4FJK
JO1WXO		UA3PFN	N5RZ	GM3WTA
K0WK	103	US2WU	OH2EA	HB9NL
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K4KEW	DJ1MM	VA3IC	OK3CSQ	JA1VVX
K4MF	DJ3GZ	VE3EDY	PA7TWO	JA2VMU
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K9EA	DS3HWS	W1CTN	RU3UN	JH3PRR
KA2BZS	EA7SG	W4AVY	S59DJK	JH7BKN
KH6KG/W5	EU6MM	W4MZ	SM6WET	JI3KDH
KI0KB	EW3LB	W5THT	SP5MXZ	K0LW
KW0A	G3BDQ	W5VU	T77V	K1YR
LZ2XF	G3OIL	W6SZN	UA1AIR	K2BX
N3ER	G4AAW	YO7APA	UA1CKC	K2TER
N3TR	G4PUQ		UA6HOF	K3SEW
N4GU	G4VGO	102	UA9MR	K4NNX
N4TTE	I0OSI	A6/RV6LNA	UA9UCO	K5DNL
N6PF	JA2GQO	CT4BD	UW7CN	K6AAW
N6WM	JA2OLJ	DK3QM	VE2FYR	K6XJ
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RU3UR	K5JUC	EI6GF	W7IUV	KE4S
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RZ6LB	K8CCV	F6BWO	WA1S	KN6J
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PA4WM	EA3ALD	N1MD	W1AN
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RA4P	EC5A	N2XQM	W2CCC
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RY6M	G0VXE	N7DED	W4OV
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SM7NDX	GM3ZSP	N8IL	W7DT
SP7JLH	I2VGW	N8NB	W7JET
SV1PL	IK0HFO	N8OQ	W8CNL
UA0FDX	IK4MSV	N9ADG	W8FN
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UR5WIF	IS0/YO3RA	NB3R	WB4SON
UR7CQ	IT9CVO	NG7A	WU2M
UT1CC	IW0BYL	NJ3I	YB1TJ
UT4IS	JA1BRK	NN4SS	YL2SM
UT7HA	JA1CPU	OE5JDL	YO9FLD
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VE3XB	JA4FSH	OK2PAZ	
VK2GR	JA5DQH	ON4ANN	
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YO6BHN	K8LE	SV1VJ	
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	KA9UVY	TI5CDA	
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AA4UC	KD8BZY	UR4CW	
AB4VV	KP4N	UR4LRG	
AC4VM	KQ5M	UR8IDX	
AI2S	LA8W	VE1RGB	
DJ6OI	LU5OM	VE3OAT	
DK8MM	LU5YF	VE7JKZ	