

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 16 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	328 R4GM UA4CC	317 W3LPL	RZ3AM SP2FAX	UA6A	299 JA4DND K4TEA N1BUG OE1WEU SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	316 W2VO	310 I4AVG KJ9I RA3CQ SM5BFJ SM6CVX	304 CT1EEB DJ0MDR SM3GSK	
340 K1ZM	324 K2TQC OH2BO S50A W1NG	315 IK4WMA K5RK N1DG OH3SR S50U W1JR	309 UT5UGR W5IZ	303 F5LGE GM0GAV JA1BK JA4LKB K1UO RU3DX YU1FW	298 9A2AJ IK2DFZ OE6IMD OZ3PZ SM5CEU
339 W4DR W4ZV	323 EY8MM SP5EWY	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	322 K4PI UX0UN W3UR	313 GM3POI OE3GCU OG2M OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SV8JE	296 DF2UU F5NTV G4PWA ON5NT RY9C W1JZ
334 N4WW	321 WB9Z	312 OH1MA S54E	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR SP3EPK VA3EF	295 K3UA
333 R7LV	320 SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA RA7A	305 JA7NI K4ZW N4IS NN4T		294 DL1AMQ JH2FXK LA5HE
332 UR0MC	319 K8MFO N0XA SM4CAN				
331 K5UR LZ2DF					
330 AA1K HA0DU OH1XX UT7QF					
329 K3UL UA4HBW	318 4X4DK W9ZR				

RJ3AA SV8CS WD5COV	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	JA2PJC K1CP NJ6P S59Z W4TO	SP5CJQ SP6AEG UW2ZM	267 LU8DPM RZ3DX	260 EA5BM K1LT K4DY KX4R
293 N0TB S58T		280 EA6NB SP6HEQ YO3APJ	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD	259 DF4PL F6GCP G3ZSS I1FQH R9FM
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	286 CT1APE 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 AA1V AA4V AA6YQ AA7A RW0LT SV8BHN YO5BRZ	258 KW9A N5KD RN3CT VE3QAA
291 9A7V DF3GY 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	257 K1GUN W9YSX
290 UA3AKO	284 K5XI SP3DV			263 IZ1ANU K9OW LA5IIA W2SM W3AP	256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL N8TR PA7MM W1TSP W3DF
289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	283 JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	262 EI7BA G0DQS IK5HHA K4XP KR9U W1YY	255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI
288 PA3GCV SL0ZG SP7VC UA4LY W0JX WK3N	282 DL1YD I0WDX K8KS K9CT N2LT SM6CTQ US5WE UY5ZZ W0BV W2YC	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ VE2TZT	269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N3NT N6SS NO8D SP1S SP5DIR	254 N0AT OM3DX WA4FFW
	281 DF2PY HB9BIN	275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU	268 DL5DSM G3WPH RA3XDX SP9JZU W1MK		253 5B4AGN

AA1QD K5ESW S58Q UA1OMS W0YG	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN	N4XM N5TY N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK YO9HP	IK0YUT N6AR N7NG ON4ACG W9IXX	JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT
252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ	240 G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN WA7NS	230 DJ5FI FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ	225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW WA7NB
251 DJ7RD DL9RT I1EIS JH0BBE K9NW N4II PY2RO W5UN W7LR	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	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	
250 HB9RG NQ1K OZ8BZ	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 DL8WN EA6ET IK0XEZ JA0DAI K1DG RA0FF VO1HP	233 K0CS K2UU KA7T SK3PY SV8CKM UA4HAU VA2WA W7AO	228 AF9H AI0O E72A EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ	224 DL5WW IZ1LBG N0AV N8BM SP5INQ VK6VZ W2RQ
249 AI9L JR3IIR SP5DRH	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G		232 JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T S51DI UA3AP	227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W1TC W9BF WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX
248 AB3CV K3WW K5RX K9RX N2NL SM3VAC SV8GFW T77C UT9FJ W9NGA	242 EA4KD KG7H	237 DL7MAE NI0G OM4EX UR5EDX W3LL	231 4X4NJ HA9RE	226 I3BUI JA6BZI JF2KOZ	222 DF6PB IV3JVJ K3SV K6EID K8ZTT N5AW N8PR N9BX
	241 JA0CRI JA1SYY JA3EMU K5ZK	236 AB4I AC4G K1JO			

SM0CCM SP7GAQ	ON6YH UA3AGW	DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I KG6I KV7K LA7JO N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ	WF4U WI8A	K1GG K9US K9YY LA5YJ RW4NN RW7M UY0ZG W0DD W0MHK W2IRT W3GG
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	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	203 JA2XYO JE1PNX K3LR K4XO K9MMS KK2I PA0A R6AF W8GC	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO N4DW W1TO YO2DFA
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	206 IK0IOL JA3PIS K2VV K5AQ K5MC KG9N N8DJX SM6BZV US0KW VE3BW	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
219 IK3VUU JA2FBY JA2FJP JF3KON LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA OK1DX RN7G W4NL	209 DL5CF DL9MRF EA1RT EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT	205 F6EXV I4KDJ JA3AAW K8AC KA9FOX LA7HJA PY2XB W8UN WB8ZRL	201 CU2DX DL1EJA F4BKV JF1PUW JO7WXN K3HP N4QS W5TCX	197 G3SNN I5KKW IK0FVC JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA NA2M RU4SO W0LYI W1FJ W2WG W3YY	208 G3NSM I4LCK JA9FPI JF4VZT K2FU	204 DJ5AV IK7NXM JA9NFO K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF	200 AG4W G0OIL JA1GTF JH2RMU K1GE	196 4Z4DX AA4HP IK4PLW IZ8FWN JA3RAR JA4PXC K8PO
217 DM5EE JH1IFS K5PC	212 AA9A				

KP2A ND0N RA9CMO RZ4FO W2FCR W4UM	CT1IUA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG N4DB N5LZ W3UA W3YQ W8LGJ WN6W	KE9ET N8LJ RM0F W6SR W8JV WA3C WA6YEE	W2YJ 183 CT1FMX CT3MD IT9INO K4CN K8VC LA3WAA N9MB NN2L ON6SAS W2FP W8NW	JR7BDQ K8WK N2PK OK1MG S57UN SM4DDE SP3FAR SV3FUP W8KEN	W4GD YO7NE 175 JA1CHN JA9NLE 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 SM7GIB	187 AJ1H K0SR K6SRZ KL0S KN5O N2NS NE1B OK1CZ SM0NJO W7AWA	182 DJ9ON DK3UA HK3W JA1SHE K8RRT UR3EO W1YM	178 4Z5CX EA3CJ JA4MRL JE2URF K2UR LA0FA NE0U SM7DLK SV1JG W6NWS W7MEM ZS1LS	174 4Z5MU JA0GJJ JA1PPW JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K0TT K1KI K2KA K3AJ K4TR K4WS OE1WHC RN7F UA3LNM W8UV W8VVG WT8C
194 K4KDX K9JF KB9LIE KC9ARR LA7AFA W1NT W2LO W4FC W9OO WD8JJA	190 IZ8XQC JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH SP2LNV VE7VV WE9R XE2X	186 9A8A IK2QPR JA8DNV K0BJ K3PA K7LAY YL2TW	181 DK3WW JA3ENN JN4MMO K2EP N3OC VE3OSZ W9AJ	177 9H1SP AE5E CT1EAV CT1GFK IK4ADE K3WC K9NU SM6DHU W2OR W5LT W7FI WB7B	
193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC K4ODL N9EN PA0LOU RN1ON UA0CA W9MU WA2VYA	189 9A2F EA8PP FM5CD JA0VSH SP7HOV UA7T	185 AB6QM EA6BF G3KWK IK3SWB JA2LCP K5ZD N4TJ N5UR OE2BZL SV1DPI UA9CBO	180 DM2DXA DM3VL EA8JF JA2BDR K6SSS K7BG LA9AJA N1RR N4AH ON5FP UT2UB W1RM W7BEM W8TN	176 CT1FPQ EU1AB I6FLD JA0DET JA5IU JA6BJV JA8KSF JL1SAM K8MN N5OK OK1DWC RL3FA SM5FUG W4BP	173 5B4ALJ I1JQJ JA9TWN K1NTR K4XR K9YC KA1J N5FG PY5EW W8HC
192 9A2NA	188 AA1ON AB4IQ JA1KQX K0BBC KB0EO KB1EFS	184 HA5WA I2AOX JA2ZL JF1NZW K4HGX K5KLA KB4ET OH2IS S57AC US8UA	179 IT9ELD IW0SAF JE1BMJ		172 G0BLB

G3NKC	UT8MM	K4JLD	162	159	156
IZ5MOQ	UY5AA	K4PB	4O3A	HB9TKS	AB9V
JA3FGJ	W6RW	K4ZYU	9A4W	JA4FKX	DL4MM
JG0CQK	W7YAQ	OH2BLD	F3AT	JH6QFJ	F6HDH
JG3IWL	WB3JFS	RM3DA	JA6GIJ	JH7CFX	IZ8IEV
K0DEQ		W1RR	LB6KC	K4RO	JO7HAM
K1BD	168	W8ILC	N8MR	OK2ZV	K0QC
K6FG	EA7TV	WA8TXT	RW3RN	UN7JX	K8YSE
KJ0M	G3MXJ	WP4U	W0HT	W3HKK	KS1J
W3JX	IK2EGL		W0TT	W6BJH	N3RC
W4FQT	JE7JDL	165	W1LW	W7SX	N3UA
WC4X	JF2UPM	DL7UCX	W8WEJ	WD5BJT	UA3SAQ
	K5QY	I2ZGC	WA9PIE		VA3LX
171	K8RYU	IK0AGU		158	W1YIF
AA9D	KR4F	JE7RJS	161	DJ4PT	W4TV
DL6KR	N4QQ	K5JZ	DK2GZ	DL1FKA	
G0EHO	N8BJQ	KK4CB	DL6RAI	IT9DSZ	155
HA9PP	PA7F	N4HB	HB9DHK	JA9APS	DL1RK
JA6HUG	SP5GH	N9FN	JA1DOF	JH1TWT	DL4SZB
JR1TNE	W4SVO	NY0V	JH4CPC	J11FXS	JE3GRQ
K1NU	W6VX	RC9F	K1USA	J11NJC	K2LS
LA5LJA	W8OI	SM4CTT	K5GO	JR1GJP	K4RG
N0RN	WA0MHJ	SP6EQZ	K8ND	K5TT	K4WA
N4OGW	WA5YNB	W0DJC	LB2TB	K9GA	NE0DX
N7RO		W5BN	N4GN	OZ1HX	NW7E
N9RC	167		OH6RA	RU6M	SM6VR
RA3DNC	DK5AD	164	VK3HJ	SM4EMO	WE1P
SV1LK	JA6VQA	GU4YOX	YU2TW	W0SZ	ZS6EZ
	K4XD	HA7UW		W1OX	
170	K6KO	HB9BZA	160	W2XL	154
DJ6TK	K8NK	JA1RTX	AD5Q	W3GQ	3V8SF
JA6JPS	K9MBQ	JA7ZP	DK1WB	W4QN	GM3PPE
JE3ENP	N0IJ	JH2SON	DL1DA		HB9BUN
JF1WPB	N3BNA	K1NJ	EC3A	157	JA8NFV
JM1GYQ	PA3C	N5WA	EI6FR	AA4H	JR3OEH
K6ZZ	RA1AOB	RA3ZH	IK0FUX	AC6DD	K0KVR
KI5BLU	RN9N	RN3OG	IW2FND	DL6MRS	N7WS
N4PY	S51EC	SV2AEL	IZ4DPV	EA5BY	NX8Y
SP3GTS	UN9L	W4DKS	JA2EPW	G3TQZ	W1NA
SV3KH	VE6WQ	W4NS	JE2OVG	G4GIR	W2XI
W3IP	W1YW		JF2XGF	JA1GHH	W5DNT
W9EVI	WA4LOX	163	JR7MAZ	JE2DZC	WB0TEV
WA3AFS	WC5N	9A2JK	K3MSB	JH2QMT	WS7L
		DJ9HX	NR4M	JH7IAJ	YS1RR
169	166	JE2LUN	RU6L	LY5A	
IK0PEA	4Z1UF	K7NN	UA0FZ	N5MOA	153
JA1ADT	DJ4SO	K8TL	UX5UO	NE9Z	AA6AA
JE2LPC	HB9FMN	UR4CWQ	W1BR	RU4UR	AJ9C
JR1IZM	IV3TDM	VE3CFK	W5XC	SM3PHM	DL3ZA
K1LI	JA1FNA	W7AL	W9RN	SV8ZS	G3TJW
N1EN	JA9LJS	WW3S	WX0B	W2TA	HL2CFY
N4XX	K1KA			W5GZ	JF1IRW
N7US	K3KY			YV2IF	JR9OPJ

K7SP	WA2BCK	LA6OP	N5XZ	K3PP	W4NU
K8VFB	WP4G	N2WB	NA5C	K4WZ	W7IV
KR2Q		NE3F	RT0F	KK1W	W8GNM
N4TV	150	W2/CT1GIF	SM3DTR	LA9VFA	W8LWU
N5TW	EA1AF	W5FKX		MM0SAJ	WO2T
N8II	IV3RAV	W9JJB	144	N7QT	YL2MU
R9OK	JA2NQG		CU3EQ	NA4D	YO9FNP
SM6CLU	K0RS	147	DL5CW	NQ7R	
SP5CCC	K5TR	EA3GP	DL5KUA	NY2NY	139
UT5UY	K7LV	F5PAC	E70T	OK1DO	DF7EE
WB8BPU	K8AJS	IV3VBM	EI6IZ	W2OO	DJ4XA
	KU4XO	JA1XQC	GM3ITN	W5ADD	DL5EBE
152	N3QE	JH4ALY	HB9BYQ	W5LUA	DL8OH
EW2A	N9CO	K7HP	I5MXX	W5VQ	JA1TMG
HB0CC	OE5RLM	K8UT	IT9GSF	WA5POK	JH0BQX
JT1CO	OE8SPW	KM1H	IZ4GWE	WB8CQV	J11DCW
KQ4AV	SQ5EBM	N1IBM	JA3GN		K3ANS
KS3F	SV1CNS	PC3T	JE1FQV	141	K6AM
N9OY	UA6YW	W1OP	K0VSH	AC9S	K8GI
S55ZZ	W6DAO	W2KKZ	KD0PO	DL5MHQ	K8RF
UA6IGI	W7CT		N1IX	EW1BA	KA8SYV
UN7LZ		146	N3KK	HB9FMT	KU0A
UT5AB	149	EU4A	SM4OLL	JA1PTJ	LA8WG
VE6LB	DL7CX	G4FTC	SM5CLE	JA2ATE	OK1MP*
W1SKU	HB9HFN	JA1HQG	W4GE	JA9RRH	OK2QA
W1VT	IK4FNF	JA4DHN	W7ZI	JH1HHC	SM5CBM
W6RLL	JA1SVP	JA5XAE	W8RLS	JL1UXH	SV8ZC
W7AJ	JL1ARF	JH1GNU	WC5M	K2RW	W0SD
WB3CQM	JR5JAQ	K1CA	WD5T	N8OC	WA8WV
	K3RA	K5KV	YO3CD	NJ3K	
151	K3TN	K5SM		OE6VIE	138
AA7G	K4YYL	K6NR	143	SV3FUO	DK8MCT
CU2AP	K8ME	K7WP	DL1DUO	W2CG	DK8YY
DK2OY	K8ROX	N7BT	DL6EN	W3BW	EI9FBB
EI9JF	K9MK	RU0SN	HS0ZEE	W4JVN	F6DDR
F3SG	R8TX	W1IZL	K7CMZ	W4VIC	IK8EPC
HB9SLO	SM6CUK	W1ZT	K7CW	W4WT	JA3OOK
IZ3ENH	UW7UA		KJ9C	W8HW	JF3LOP
JA2VQF	W0GG	145	LZ2ZG	ZS1C	JH7RXU
JA6BEE	W7HPW	AF4HX	N2RJ		K1RO
JH1NYM	WB8B	HI3T	N2WM	140	K2RET
JR1XIS	WD5K	I0JBL	N5UW	9A1CAL	KJ6P
K2AX	WS5W	JE6TSP	N6PAT	DF2RG	LB5WB
K2FW	WW2DX	JJ3HGJ	NN4R	K5WK	ON6AA
N5JB	YO3DDZ	JK1AJX	W0IZ	K6KLY	OZ8X
OK1ATP		JN1BMX	W6QUV	KF8DX	RW4CY
RD3A	148	K1OA	WB8ZRV	N4XP	UN7JID
RU3A	CT1FCX	K3VAT	WD9DZV	N6PSE	V51B
S54A	DK2CC	K4OY		OH6NIO	W1GD
SP7AWG	F5CQ	K8BL	142	ON7DR	W2YE
SV9AHZ	F5LVL	KF6HI	I5HOR	UN1L	W4YV
W7RH	JH1QDB	N1CGP	IT9BLB	VE6SV	W7OM
WA1Z	K5VWW	N4GG	JR7WFC	W0SEI	

137	RN3RQ	W5AJ	W8DCH	JH4GJR	JA7KY
DS1JFY	SM3LGO			K0FF	JH3CUL
EA1YO	SM5CZK	132	130	K3XA	JJ1DWT
GM3YOR	SP3XR	AA4NC	DF9ZW	K4JAF	JN1RQV
IZ0RVI	W1DIG	AB9M	E73M	K4SE	K2ZD
IZ2FOS	W1EQ	AD6W	EI2JD	K6LPO	K4JKB
JA3APU	W2GD	HB9RYZ	G7VJR	KG7CW	K4XU
JA4OK	W4BUW	IT9RDG	HK0HEU	N5KM	LB7ZG
JH4JNG	W4MBD	JA2KVD	JA2FBC	OH1ZK	N8NA
JR2LJO	W4RFZ	JA6CBG	JG1DUZ	OZ1IKY	OK3CQD
K2QMF	W6JTI	JR6FC	K2MYR	R9SG	PA3EWP
K6EME	WE4S	K6YUI	K6SIK	S53X	PA5TT
K8NS		K9ZM	K7LFY	S55DX	VE3CX
RA3CO	134	N6HY	K8BCK	SM3GQP	VE7BV
RG7G	CT3HF	ON4CAS	K9GL	SV3DCX	W8MK
UU1JA	IK4DCS	OZ2RH	NA4EA	VQ9LA	W8REW
W1ITU	JA7LGE	SM4BZH	NO9E	W2WC	W9ILY
W5ODD	K1TO	SM6BGG	OZ2ABI	W4IS	WB0O
WB5JID	K3OX	SP6M	R3VA	W6RKC	WB2REM
	K7XB	VE3CRG	R5QA	ZS1A	WD4LBR
136	KX4TT	W4AXL	R9AB	ZS6UT	XE1KK
E72U	N9MR	W4RBO	RU1AO		YU1EXY
ER0FEO	N9RS	W4WM	TA1CM	127	
HB9IQB	NA5DX	W5SL	VE3DO	HK1MW	125
IK8CNT	OE1TKW	W6DR	W2MPK	JA1DDH	9A1AD
JH4HMG	PY5HOT	W7AH	W9ZT	JA1WLO	AG1A
K0TV	RG6G	W9FR		JA8RJE	GW3TMP
K7TM	RX4HW	WB3D	129	JA9KRO	HK4SAN
KR6C	SM0BYD	XE2S	HA1RB	JH3AIU	IK5DNF
N2ZN	UA0ACG		HB9AZZ	JS2LHI	JA4IYL
OK1DW	W4JKC	131	JA1NWD	K0RW	JA6VU
SM5OJH	YU1AM	DK7YY	JA8JO	K3TRM	JE1TSD
SP2BMX		G3UHU	JI4POR	KM3T	JE6UWU
UT3UZ	133	HS1NGR	K3NK	KM4NS	JF2WXS
UW8SM	9K2NO	IV3KFB	K4TT	N1AC	JH4ADK
W2OIB	EU1U	JA2TBS	K6XM	N1GC	JL1RUC
WB7QXU	HB9CQK	JJ1TEA	N0YY	OE8HIK	K1HAP
	IZ8DFO	JM1FHL	N3KS	S51NM	K5KG
135	JA7GLB	K1UU	N3RR	SK7AX	K8DV
5B4MF	JA9AGN	K5VIP	PY5EG	SP6A	KA6BIM
DJ9ZB	JR7FRW	KC2LSD	W0YVA	SP7ASZ	KI4WCQ
F6FXU	K1ZN	KH2L	W7QHE	W0CP	LA9GX
IK8GYS	K2CDJ	KM3V	W8MET	W0RT	LZ1XL
IV3DXW	KS4YT	KM4H		W3BG	N2KA
JA7LMZ	KU2A	N3MK	128	W3MF	N3EN
JA8BNP	OE1KM	N4QWZ	AA4SC		N4JT
JA8JL	RA5BM	N5PHT	DM2RM	126	N9RD
K1ZE	RV4LC	N6RK	IT9ZZO	DJ8WD	ND5S
K4ZRJ	SV5DKL	ON4ON	IU0HDC	DL9FCY	NW6S
K7FL	UQ2PZ	R0SR	JA2AHH	F8BPN	OE1AZS
NZ9R	VE3WT	R9MJ	JA2KSP	G4IUF	OE3SGU
OH1JP	W0NFL	R9SA	JA9AA	IZ7EVZ	RA0BA
R7LP	W2QO		JE1LFX	JA1XCZ	UU7JM

VE3UTT W5DAW W8LMG W9CG* YO2RR	UT3QU W1AO W8NJR WB8K WV4TN XE1H	W9XX W9YE WA1PMA WY1G XE1VIC	G4DJJ HB9AAQ HB9BCI I2TZK I4MKN IU0LFQ JA3AZD JA4XGC JE2JMV JH6CDI JI4WAO K5UZ K7EG K8KWT K9SG N0KV N8PW N9UA NT2A NY7T OH5NG OK1DT R6FFB SV1ACK W0RX W4HZ W8FIB XE1RCS	VK4CAG W1KSZ W4DAO W4NF W4NJ W5JMW W9FI WT4Q YO4AUL	HA7PF IK0EIE IK2OHG IT9TQH IV3HYD JA1WTI K1DC K1RI KT1V KV1J PA0JSE RV3ID TZ4AM UA4PCM VA7CRZ W1ENE W1WEF W7GG W7OEV W8LRO WP3R WQ5L
124 AA7XT IK3VBB J11DHY K4ZO KD4POJ NA2U PA0TCA UA0BA VE1DUN W1OPD W2JU W2RIJ W3FM W6CYX	122 BA4RF G3NDC JA1MRM JH1AGU K1ESE K1YT K2MP K7ZA KR0P LA7WCA LA8PT N9AW NA9RB NN7X OZ3Y RD4A UU4JMG VE6AX W2TB WA3I WA7BNG	120 9A5F AC9EM AL7TC DL2VWR EI2GLB FG5FR HB9BLQ IZ0LKV IZ5NFD JR3UIC JR6LLN K2BA K2HK K3QIA K5JC K6FW KA8ZPE N3NR N4BAF N4LR N4TB N4TL N4UFP OE3EVA OZ2A PZ5RA RL3BZ SP6JIU SP7ITB SV1IW UR5IKN UR9QQ US0YA W2YR W3OA W4PRO W6RFL W7RN ZL4AS	118 5T5PA AA4DD AB2E DL5OCE JA4FHE JI8DGO K3FRK K3WGR K4CNW K8LN K8WVA K9DR KD2T KD6UO KG8CW KV4AA LZ2HM N2MM N4DJ PY2PA RN3TT SV9COL TA2RC	117 9Y4VU AE0P BH4IGO DL1DWT IT9AAI IT9DAA JA0AOO JA1HQT JA4FM JA7GYP JA7IC JM3GXU JR2UBS K1BZ K2BB K6PJ K7PI K8OOK K8QM N2BJ N3ND N4IR N6MB N8AA N8XI NY4G SM7BIC SP8HKT UA6J UB3A UR9IDX US1CT W4ZRZ W6SL W8ZR WA2USA WC2K	115 AA5JF C6AGU CU2CE DL9GOA G4XEE G8BCG G8DX HA5UK IZ7JVR JA2KNW JA5FDJ JG3LGD JH1RFM K0GD K0SD K4CMS K4GHS K4GK K5XM K8YTO KO8SCA LY4T N0IRM N4OA N5BO N8KOL PA3AXU RZ6MJ UA1ANA
123 AB1OC AC4TO DL7JRD F4GTB G4WFQ G5LP HB0WR IK2CHZ IK3XJP JA0CRG JA1SJV JA3MHA JA6WJL JK1EXO JR1EBE K2PK K3XO K4ZIN K5GH K7UT K9CS KV4T N2ED N4DWK N6MZ N9JV N9LQ NA2P S50B UA3DK	121 AA6RR CT3KN DF1DB DK1EI DK6CQ HB9DHG IK2SGB JA2HYD KD8RQE KG9Z N0OK N1JP N6HC SV1AHX UQ1GWW UT4EO UU2JQ VA3AYA W0QQ W2GG W3RJW W6XI	119 AA3AZ AE3T AJ4A DK3GG EW4M		116 AJ4F DL7URH EA5BRE	

UA1CGS	JA0GCI	HB9CRV	EV1R	I2BBJ	K5KA
UA6XT	JA1OVD	HB9EFK	F6ECI	IK5RUN	K5KPE
UN6T	JA4ITW	HB9G	G3PLP	IK8UHA	K6MW
VE3YF	JH1ORA	IU8FRE	G4DBN	IZ0CKJ	KE1F
W4UCK	JH3GCN	IZ4DIW	HL3GOB	JA7EPO	KZ5DX
YL2CZ	K0TPP	JA1SXR	IK2ANI	JE2UFF	N1BZ
114	K5CD	JA4BXL	JA1AUD	JH1VHU	N7TY
BA4DW	K8SL	JA7BXS	JA1FGB	K1EO	N8NN
BA7IO	K9FN	JR7TEQ	JA1NCZ	K2BLA	N9ISN
CT3FN	K9GWH	K0JPL	JE2EHP	K3JRR	ND4V
CU3AK	KA4RRU	K1EDG	JE8TGI	K3PH	NN4RR
DL6NB	KH6DX	K1KO	JF2WGN	K4WW	NU4I
F6CWA	KI0G	K2HAT	K5WAF	K6MI	NX7U
G3SDL	KT1J	K4UAS	K7ORK	K6VKO	PY5CC
HK3PJ	N7KO	K8CC	K9AJ	KB4MRX	RW4UU
HP3TA	NA3F	KB2FCV	KM1R	KC2STA	RW9QA
I5OYY	NG0G	KI4DLS	KZ0X	LZ1PM	RX3AGD
IK7YZG	NI5F	KM1C	LA0CX	N2CG	TG9NX
IW0HEX	NK5B	LA8HGA	N4WJ	N3HBX	UB5ZAL
JA4KDT	ON5UE	N5ZC	N7BD	N3IQ	UT7KF
JA5WIZ	R7NA	N6MA	N9HF	N3JB	VU2CPL
JH6WMJ	RA4UN	N6PE	NA1DX	N4KE	W5WP
K1RV	RZ3AUL	NA9Q	UR6QA	NC6K	W9HBH
K2DC	SM5ARL	RU4SU	UT1UY	NK7C	WB5TUF
K3MD	SP3EPG	SM3DMP	VE6KC	NY4I	WN0L
K3NF	SV1FKZ	UA1ACG	VE7CT	OZ1LCG	YV3AGT
K3OSX	SV1JFV	UA1CEI	VE7UF	RD9M	108
K5RJ	SV2AVP	UT6UD	W0VHF	SM5BHW	AI2Q
KB8U	UN7TW	VE7XF	W1FO	SP9WZS	AL7R
KZ4V	VE3KI	W1HEO	W3FOX	SV1VS	DL6CNG
N1QY	W2GW	W2CVW	W4HOG	UA3O	ER1LW
N2JJ	W6BK	W2SKI	W4OX	US7MM	G3VAO
N3MN	W8FAX	W3MR	W5AQ	W0UY	HB9BAT
N4IQ	W9DX	W3UL	W7VS	W3XY	HB9FAN
NU8Z	W9VNE	W4VHF	W8KA	W4DC	IK0PRG
UA3FT	WA4DOU	W5VX	W8MIL	W4NE	IZ0BTU
W0VX	WB2HJV	W6TC	W9RB	W5ZPA	JA2MOG
W4TUN	WB2UFF	W8GEX	WA2BOT	WL7E	JA3NHL
W5VY	WS4C	W8HMK	WA2MUA	XE1FAS	JJ2PIK
WA1FCN	WX3P	W9SE	WB4TDH	YU7AU	JK1MZT
WA9YYY	XE1RBV	WA8MCD	WB9EEE	ZL3NW	K1EP
WN9O	ZL1BYZ	WA8OLN	YL3DQ	109	K1XM
XE3ARV	112	WT9U	YO6HOY	DF1KG	K2CJ
113	A92IO	ZP6CW	110	EA3GHZ	K2KQ
9A1A	DJ1RL	111	BA4MY	EU4T	K2MK
DJ5DT	DK5RL	AA4U	DG7RO	F8EZE	K4WY
DJ9RR	DL5CL	AB4GE	DL1VDL	G3SVD	K6UT
DL8CM	EA1JO	AF4OX	EA5BYP	J68HZ	K8OM
DL8DYL	EI8IU	CU3AN	F5BAR	JA2CXF	KM8AM
EA5KA	EW1DO	DK2WH	G3LNS	K2ONP	KN4JX
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	HB9CEX	DL1HRN	HC1BI	K5FZ	N4MEC

N6RFM	N8AGU	KK8X	JA8RRF	AH0U	UA9FGJ
N9TF	NA5Q	KP4AA	JA9APM	CP8HD	US5CAO
NU4Y	OE1CP	KQ3F	JF1RYU	CX3CE	UT4EK
PA0ZH	OK2BUZ	N0JZ	JO4CFV	DK3BK	UT7EC
R5FY	OK3CQR	N2CW	JR1BAS	DL4FAP	UX4UM
R7LA	R0FA	N2SQW	K1DJ	DL7UPN	UY0MM
RX6DX	RN4AA	N2WLG	K2XF	E73D	VE3VHB
S57J	RV6ARZ	N3XM	K4MS	EA8ZS	W0YBS
SM6AOU	SP3BQD	N8AID	K4YJ	EI9E	W1QA
UX7UN	SP6AXW	NA5Z	K5AV	F6AJA	W3DRY
UZ6LWZ	US5CB	NI5M	K7OX	F8GB	W3TMZ
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W3NRJ	VK3NX	OE5CSP	K9RO	HB9CIP	W5GJ
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W7ACD	W8IW	OK2BVG	KT2E	JA1SDV	W7DR
WA2ALY	W8VK	S57AL	KX2A	JA2FGL	WA0I
WA4CEM	W9CPV	UR3CRO	LZ1JZ	JF1EGO	WA0RVK
WA8MOA	WB6CJT	UT7UU	N2DPF	JF6WTY	WA9ETW
WB8BZK	WB8ART	UU5WW	N4JI	JK1BSM	YC0LOW
WC1M	WS1L	V73AZ	N4NW	JO1WXO	YO5ODE
WD9EQU	XE2YWH	VQ9SS	N4PL	K0WK	
WW1WW	YL1XZ	W1CWU	N4SC	K1BG	103
	ZL3RJ	W2EQ	N4VN	K3FM	AG1I
107		W2LE	N6NU	K4KEW	AI3Q
4Z5LA	106	W2NO	ON7PQ	K4MF	DJ1MM
DJ8ES	AA4FL	W3ICM	OZ4AAL	K4VIG	DJ3GZ
DK3FB	AE2U	W4IR	PF7M	K5HK	DJ7PI
DL2CHN	DJ6OZ	W5JAY	PJ2/K8ND	K6UM	DL2HX
DL5XU	DL1QQ	W8OP	PY2DS	K7TJR	DL8YRM
DO4DXA	DL2NOM	WA4MYO	R6YY	K9EA	DM5TI
EA5AT	DL3JSW	WA6TLA	RA6AF	KA2BZS	DS3HWS
EA7QW	DL6JZ	WC6DX	RD4WM	KH6KG/W5	EA7SG
FG8OJ	EA3CCN	YL2GN	SP5JXK	KI0KB	EU6MM
G4AKY	HA8DZ	YU3EF	UA6LCN	KW0A	EW3LB
G4RGK	IK0ZIO		UR1RWX	LZ2XF	G3BDQ
HI8R	IW3GJF	105	UR2RGN	N3ER	G4AAW
I5IHE	JA1VLK	DF2PI	VE1PZ	N3TR	G4PUQ
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JA8JTH	JG3HBO	DJ6KH	W1LE	N6PF	JA2GQO
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KZ1W	K4DSE	JA1BWA	104	RZ6DX	K4LQ
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N4RF	K5ZQ	JA6VA	AD1C	SM7CQY	K8CCV
N6EE	K8JJC	JA7BME	AG4Q	SO5AS	K9MUG

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KJ4R	EI6GF	W0JMP	K5DNL	VE3XB	JA1CPU
KJ7WY	ES5RW	W1MRH	K6AAW	VK2GR	JA1ILA
KM9E	F6BWO	W1PV	K6XJ	W1AW	JA4FSH
LX1DA	FM5WD	W2LW	K7AR	W1FC	JA5DQH
N0RU	HB9AHL	W2TX	K7IA	W1GF	JA9CGW
N1HOQ	I8LWL	W3EKT	K8BN	W2SF	JF3DRI
N9BBQ	IT9SFT	W4ALF	K9JU	W3WH	JH7BKN
N9PGG	IZ4MJP	W5TO	K9PG	W4BUE	K0FLY
N9SF	JA0HXV	W7IUU	KC4PX	W4PM	K0LB
OH3GD	JA1JAT	WA0IDK	KD3UY	W7AV	K0XM
OH4UI	JA6OXT	WA1S	KE1VT	W7CB	K1NA
OK1DQT	JA8OW	WD8DSB	KE4S	W8GB	K1NZ
OK2BQU	K0YN	WS4Y	KF7NN	W9MAF	K1TZQ
OK3BRK	K1PTF	WW5G	KN6J	W9ZCL	K2CBI
OZ7JZ	K2LP	YO2IS	KQ1F	WA3EKL	K2CYE
PA0GMM	K2TK		KS4XQ	WB3HLH	K3TZV
R9GM	K3KG	101	LA2GV	WC4H	K4FT
RA0FA	K4AQQ	AA2VG	LZ1XZ	WK9U	K4KSY
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RK3QY	K5ZO	AA4NU	N2AJ	YO2OXD	K4UQC
RU3OW	K6DJ	AC2AC	N5AQ	YO6BHN	K7VIC
SM3CBR	K7BHM	AC5O	N6WM	YV4DYJ	K8BZ
SM6EHY	K7UA	CT1JGA	N8AG		K8CR
SM7BHH	K8BHZ	D44BC	N9JCS	100	K8CS
UA3PFN	KB9DAK	DH2FW	NE1F	9M6YBG	K8LE
US2WU	KJ6NZ	DK9WI	NX2X	A41ZZ	K9NZ
UT2AB	KN4KL	DL1KS	OA4TT	AA4AK	KB0EL
VA2ZO	KW4BY	DL3ANK	OE3WQB	AB4VV	KC0V
VA3IC	KY6R	DL5JS	OH3TY	AC4VM	KC4D
VE3EDY	LA3ANA	DM3ML	OK1PGF	AI2S	KC5LT
VE3MFA	N5RZ	EA1WX	OK2BOB	DJ6OI	KD8BZY
VE3VV	NZ3M	EU1TT	OK3EY	DL1TPY	KD9HL
W0QC	OH2EA	G3ZFC	OK4MM	DL1TRK	KP4N
W0UVC	OK1DTN	G4FJK	ON4LG	DL9GTB	KQ5M
W1CTN	OK1JDX	GM3WTA	OZ5HP	DU7ET	LA6UL
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YO7APA	R3IS	JA6TMU	RK9F	ES5NC	N0AH
	RU3UN	JA7SFD	RY6M	FM5GU	N0ATQ
102	S59DJK	JE1SYN	SM2DMU	G0VXE	N1KI
A6/RV6LNA	SM6WET	JF1RPZ	SM7NDX	G3OIL	N1MD
CT4BD	SP5MXZ	JH3HGH	SP7JLH	G4CGG	N2SG
DK3QM	T77V	JH3PRR	SV1PL	GM3ZSP	N2XQM
DL3DXX	UA1AIR	J13KDH	UA0FDX	I2VGW	N3AF
DL3NCR	UA1CKC	K0LW	UG6GAW	IK0HFO	N4CRI
DL4CW	UA6HOF	K1YR	UR7CQ	IK4MSV	N4ZR
DL4KUG	UA9MR	K2BX	UT1CC	IS0/YO3RA	N7DED
DL5RDI	UA9UCO	K2TER	UT4IS	IW0BYL	N7TK

N8IL	W4OEP
N8NB	W4OV
N9ADG	W5BK
NA6O	W7DT
NB3R	W7JET
NG7A	W8CNL
NJ3I	W8FN
NN4SS	W8GDQ
NU1T	WB4SON
OE5JDL	WU2M
OK1DXD	YB1TJ
OK2PAZ	YL2SM
ON4ANN	YO2CMI
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	
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W2CCC	
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W4HHN	
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