

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

RJ3AA WD5COV	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	K1CP S59Z W4TO	SP6AEG UW2ZM	267 LU8DPM RZ3DX	260 EA5BM K1LT K4DY UT9FJ
293 JH4UYB N0TB S58T		280 EA6NB SP6HEQ YO3APJ	274 CT1EKY G3TXF K1ZZ KF2O W6UB	266 G4OBK NR1R R3LA W8TE W8XD	259 DF4PL F6GCP G3ZSS I1FQH R9FM
292 G4BWP JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF UX1AA	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	265 AA4V AA6YQ AA7A EI7BA K4XP RW0LT SP5DIR SV8BHN W1GL YO5BRZ	258 KW9A N2NL RN3CT VE3QAA
291 9A7V I5NPH IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	285 G4CCZ UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	264 IK2YCW K7ZV	257 K1GUN K9NW N8TR W9YSX
290 UA3AKO	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP	256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL W1TSP W3DF
289 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 LA3MHA OE5KE	262 G0DQS IK5HHA KR9U N5KD W1YY	255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI
288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	282 DL1YD I0WDX K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	275 9A1CCY F5NBU I2AOX IK4CIE K2UO K4IQJ OH3BU	269 K6ND KD5M RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S	254 N0AT OM3DX WA4FFW
	281 DF2PY HB9BIN JA2PJC		268 DL5DSM G3WPH K8PT RA3XDX SP9JZU W1MK		253 5B4AGN

AA1QD K5ESW S58Q UA1OMS W0YG	NO2R R7IA WB3AVN YO9HP	N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	236 AB4I K1JO K5EK K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	231 4X4NJ HA9RE 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 UR5EDX W2TQC W5XZ	240 EA6ET G8VR JA5MHD JR3GWZ K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JH4ADV K3SWZ N6DX OK1CF R7DX VE3XN WA7NB WA7NS	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ	225 A45XR JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW
251 DJ7RD DL9RT I1EIS JH0BBE N4II PY2RO W5UN W7LR	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 K0KT K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK UW5ZM	234 IZ8FFA JA0FSB K1AR K4UTE KF0QR PY1BVY S51DI	229 CT1FJK DJ4AX JA8FKO J11BEX OE5NNN RO7T	224 MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ
250 HB9RG NQ1K OZ8BZ	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 AJ6T DL8WN IK0XEZ IZ1LBG JA0DAI RA0FF VO1HP W3LL	233 DJ5FI K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO	228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO UR5FEO ZS4TX
249 AB3CV AI9L JR3IIR K9RX SP5DRH	243 DK2JX DK3DG IK0MHR ON4ATW S57A SV8CKM W9RPM WX4G	237 AC4G DL7MAE IW1ARB NI0G OM4EX	232 EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP	227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR N8PR N9BX
248 K3WW K5RX SM3VAC SV8GFW T77C W9NGA	242 EA4KD KG7H			226 DL5WW I3BUI JA6BZI JF2KOZ	
247 K0IEA K6XT NN4X	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM				

SM0CCM	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	DL9GFB F6DAY K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	UN5J UY1HY W6PJ W9EWZ	US6EX W2HUV WD8PKF WF4U WI8A	JA1GTF JH2RMU K1GE K1GG LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W3GG
221 JA2WYN JJ3PRT K4MWB K8SIX N6VR W1ZK W6JRY WS6X			207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	203 AA5AM JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	
220 AG8B DK2NG HB9LCW HL5IVL JR4OZR KA1R N1LN VE3EXY	215 IZ8FWN JH0INP K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 EA1RT IK4DRR JA4DEN K3WA RU3SD WA5VGI	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW	202 DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV K9YY LY1G N5ZM N7KA OK1DOT R9TO RA3S UA9FAR WA2HZO ZL3IX	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP JF3KON KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW WP4U	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA W8UN WB8ZRL		198 DL1ROJ G3UJE G4BUE IT9JNR NK1K RX3APM W8HB
218 AD5A DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A N4NX N4QS N7FU SM2OAN UA0SR		197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS XE2X
217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX		201 AG4W CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK W2IRT W5TCX	196 4Z4DX AA4HP IK4PLW JA3RAR
			200 G0OIL		

JA4PXC	192	KB1EFS	S57AC	IW0SAF	YO7NE
K8PO	9A2NA	KE9ET	US8UA	JA9NLE	
KP2A	JA7JWF	KL0S	W2YJ	JR7BDQ	175
ND0N	JH1RFR	N8LJ		K0TT	JA1CHN
RA9CMO	K3FN	RM0F	183	K8WK	JS3CTQ
RZ4FO	K4FJ	W6SR	IT9INO	N2PK	K4DLI
W2FCR	K5XX	W8JV	K4CN	OK1MG	K5GKC
W4UM	K7GM	WA3C	K8RRT	S57UN	LA5LJA
	K9EU	WA6YEE	K8VC	SM4DDE	N7IR
195	KF7PG		N9MB	SV3FUP	N7XR
EA3JL	N4DB	187	NN2L	W8KEN	PE1L
EA5RM	OH2IS	AJ1H	ON6SAS		SP1MGM
G3ZEM	W3UA	K0SR	W2FP	178	TF3SG
JA0EOK	W3YQ	K6SRZ	W8NW	4Z5CX	VE3FF
JA1EOD	W8LGJ	KN5O		EA3CJ	W8HC
JH1QAX		LA0FA	182	JA4MRL	WX0V
JN7FAH	191	N2NS	DJ9ON	K2UR	
K3PA	CT3MD	OK1CZ	DK3UA	NE0U	174
K7SO	JA1ANR	SM0NJO	HK3W	SM7DLK	4Z5MU
K9RT	K0JGH	W7AWA	JA1SHE	SV1JG	JA0GJJ
KF8UN	K8FC		JA3ENN	W6NWS	JA1PPW
N1SV	K9LA	186	N3OC	W7MEM	JA2XW
W5ZG	NE1B	9A8A	UR3EO	ZS1LS	JA7MOL
W9OP	RK2FWA	IK2QPR			JF7DZA
		JA8DNV	181	177	JK1OPL
194	190	K0BJ	DK3WW	9H1SP	JR6PGB
K4KDX	IZ8XQC	K7LAY	JA2BDR	AE5E	K1KI
K9JF	JA1DUH	W1YM	JA9TWN	CT1GFK	K2KA
KB9LIE	JA1MCU	YL2TW	JN4MMO	IK4ADE	K3AJ
LA7AFA	K0BBC		K2EP	K3WC	K4TR
SM7GIB	K2TE	185	LZ2ZG	K4RG	K4WS
W2LO	K9KU	AB6QM	VE3OSZ	K9NU	N1EN
W4FC	KM1D	CT1EAV	W9AJ	SM6DHU	OE1WHC
WD8JJA	N4XU	EA6BF		W2OR	RN7F
WN6W	N5GH	G3KWK	180	W5LT	UA3LNM
	SP2LNW	IK3SWB	DM2DXA	W7FI	W8UV
193	VE7VV	JA2LCP	DM3VL	WB7B	W8VVG
CT1IUA	WE9R	K5ZD	EA8JF		WT8C
DF2GH		LA3WAA	JE2URF	176	
DK1FW	189	N4TJ	K6SSS	EU1AB	173
DL5ZB	9A2F	N5UR	K7BG	I6FLD	5B4ALJ
DL6ZXG	EA8PP	OE2BZL	LA9AJA	JA0DET	I1JQJ
EA3WD	FM5CD	SP3FAR	N1RR	JA5IU	JG0CQK
HA5BSW	JA0VSH	SV1DPI	N4AH	JA6BJV	K1NTR
JA1XEC	SP7HOV	UA9CBO	ON5FP	JA8KSF	K4XR
K4ODL	UA7T		UT2UB	JL1SAM	K9YC
N5LZ		184	W1RM	K8MN	KA1J
N9EN	188	HA5WA	W7BEM	N5OK	N5FG
PA0LOU	AA1ON	JA2ZL	W8TN	OK1DWC	PY5EW
RN1ON	AB4IQ	JF1NZW		RL3FA	
UA0CA	CT1FMX	K4HGX	179	SM5FUG	172
W9MU	JA1KQX	K5KLA	CT1FPQ	W4BP	EA7TV
WA2VYA	KB0EO	KB4ET	IT9ELD	W4GD	G0BLB

G3NKC IZ5MOQ JA3FGJ JG3IWL K0DEQ K1BD K6FG KJ0M VE6WQ W3JX W4FQT WC4X	UT8MM UY5AA W6RW W7YAQ WB3JFS	K4JLD K4PB K4WA K4ZYU RM3DA W0DJC W1RR W8ILC WA8TXT	162 4O3A 9A4W F3AT HB9TKS IZ4DPV JA6GIJ JR5JAQ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ	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
171 AA9D DL6KR G0EHO HA9PP JA6HUG JR1TNE K1NU N0RN N4OGW N7RO N9RC RA3DNC SV1LK UN9L WA9PIE	168 G3MXJ IK2EGL JE7JDL JF2UPM K4XD K5QY K8RYU KR4F N4QQ N8BJQ PA7F SP5GH W4SVO W6VX W8OI WA0MHJ WA5YNB	165 DL7UCX F6HDH I2ZGC IK0AGU JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN	161 DK2GZ DL6RAI HB9DHK JA1DOF JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW	158 DJ4PT DL1FKA IT9DSZ JA9APS JH1TWT JI1FXS JI1NJC JR1GJP K5TT K9GA OZ1HX RU6M SM4EMO W0SZ W1OX W2XL W3GQ W4QN	155 CT1FCX DL1RK DL4SZB HB0CC JE3GRQ K2LS NE0DX NW7E SM6VR W2XI WE1P ZS6EZ
170 DJ6TK JA6JPS JE3ENP JF1WPB JM1GYQ K6ZZ KI5BLU N4PY SP3GTS SV3KH W3IP W9EVI WA3AFS	167 DK5AD EC3A EI6FR JA6VQA K6KO K8NK K9MBQ N0IJ N3BNA OH2BLD PA3C RA1AOB RN9N S51EC W1YW WA4LOX WC5N	164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG SV2AEL W4DKS W4NS* WW3S	160 AD5Q DK1WB DL1DA IK0FUX IW2FND 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 WS7L YV2IF	154 3V8SF GM3PPE HB9BUN JA8NFV JR3OEH K0KVR KR2Q NX8Y W1NA W5DNT WB0TEV YS1RR
169 IK0PEA JA1ADT JE2LPC JR1IZM K1LI N4XX N7US	166 4Z1UF DJ4SO HB9FMN IV3TDM JA1FNA JA9LJS K1KA K3KY	163 9A2JK DJ9HX JE2LUN K7NN K8TL OK2QA UR4CWQ VE3CFK W7AL			153 AA6AA AJ9C DF2RG DL3ZA G3TJW HL2CFY IZ3ENH

JF1IRW	W7CT	K5VWW	RT0F	JR7WFC	VE6SV
JR9OPJ	W7RH	LA6OP	SM3DTR	K3PP	W0SEI
K7SP	WA1Z	N2WB		K4WZ	W4NU
K8VFF	WA2BCK	N5XZ	144	K6EME	W7IV
LZ1PM	WP4G	NE3F	CU3EQ	KK1W	W8LWU
N4TV		W5FKX	DL5CW	LA9VFA	WO2T
N5TW	150	W9JJB	DL5KUA	MM0SAJ	YL2MU
N8II	EA1AF		E70T	N2ZN	YO9FNP
R9OK	IV3RAV	147	EI6IZ	N7QT	
SM6CLU	JA1SVP	EA3GP	GM3ITN	NA4D	139
SP5CCC	JA2NQG	IV3VBM	HB9BYQ	NQ7R	DF7EE
UT5UY	K0RS	JA1XQC	I5MXX	NY2NY	DJ4XA
WB8BPU	K5TR	K7HP	IT9GSF	OH1JP	DL5EBE
	K7LV	K8UT	IV3DXW	OK1DO	DL8OH
152	K8AJS	KM1H	IZ4GWE	W2OO	DS1JFY
EW2A	KU4XO	N1IBM	JA3GN	W5LUA	JA1TMG
JT1CO	N3QE	PC3T	JE1FQV	W5VQ	J11DCW
K9MK	N9CO	W1OP	K0VSH	WA5POK	K3ANS
KQ4AV	OE8SPW	W2KKZ	KJ9C	WB8CQV	K6AM
KS3F	SQ5EBM		N1IX		K8GI
N9OY	SV1CNS	146	N3KK	141	K8RF
S55ZZ	UA6YW	EU4A	SM4OLL	AC9S	KA8SYV
UA6IGI	W2/CT1GIF	JA1HQG	SM5CLE	DL5MHQ	KU0A
UN7LZ	W6DAO	JA4DHN	W4GE	EW1BA	LA8WG
UT5AB	WW2DX	JA5XAE	W5ADD	HB9FMT	OK1MP*
VE6LB		JH1GNU	W7ZI	JA1PTJ	SM5CBM
W1SKU	149	K1CA	W8RLS	JA9RRH	SV8ZC
W1VT	DL7CX	K5KV	WC5M	JH1HHC	W0SD
W6RLL	HB9HFN	K5SM	WD5T	JL1UXH	WA8WV
W7AJ	IK4FNF	K6NR	YO3CD	JR2LJO	
WB3CQM	JL1ARF	K7WP		K2RW	138
	K3RA	N7BT	143	N8OC	DK8MCT
151	K3TN	RU0SN	DL1DUO	NJ3K	DK8YY
AA7G	K4YYL	W1IZL	DL6EN	OE6VIE	EI9FBB
CU2AP	K8ME	W1ZT	HS0ZEE	SV3FUO	F6DDR
DK2OY	K8ROX		K7CMZ	W2CG	IK8EPC
EI9JF	R8TX	145	K7CW	W3BW	JA3OOK
F3SG	SM6CUK	AF4HX	N2RJ	W4JVN	JF3LOP
HB9SLO	UW7UA	HI3T	N2WM	W4VIC	JH7RXU
JA2VQF	W0GG	IOJBL	N5UW	W4WT	K1RO
JA6BEE	W7HPW	IZ0RVI	N6PAT	W8GNM	K2RET
JH1NYM	WB8B	JE6TSP	N6PSE	W8HW	KJ6P
JR1XIS	WD5K	JJ3HGJ	NN4R	ZS1C	LB5WB
K2AX	WS5W	JK1AJX	W0IZ		ON6AA
K2FW	YO3DDZ	JN1BMX	W6QUV	140	OZ8X
KD0PO		K1OA	WB8ZRV	9A1CAL	RW4CY
N5JB	148	K3VAT	WD9DZV	K5WK	UN7JID
OK1ATP	DK2CC	K4OY		K6KLY	V51B
RD3A	F5CQ	K8BL	142	KF8DX	W1GD
RU3A	F5LVL	KF6HI	I5HOR	N4XP	W2YE
S54A	F5PAC	N1CGP	IT9BLB	OH6NIO	W4YV
SP7AWG	G4FTC	N4GG	JA2ATE	ON7DR	W7OM
SV9AHZ	JH1QDB	NA5C	JH0BQX	UN1L	

137	SM3LGO	132	ZS1A	JA2KSP	126
EA1YO	SM5CZK	AA4NC		JA9AA	DJ8WD
GM3YOR	SP3XR	AB9M	130	JE1LFX	DL9FCY
HB9CQK	SV5DKL	AD6W	DF9ZW	JH4GJR	F8BPN
HB9RYZ	W1DIG	IK3VBB	E73M	K0FF	G4IUF
IZ2FOS	W1EQ	IT9RDG	EI2JD	K3XA	IZ7EVZ
JA3APU	W2GD	JA2KVD	G7VJR	K4JAF	JA1XCZ
JA4OK	W4BUW	JA6CBG	HK0HEU	K4SE	JA7KY
JH4JNG	W4MBD	K6YUI	JA2FBC	K6LPO	JH3CUL
K2QMF	W4RFZ	K9ZM	JG1DUZ	KG7CW	JJ1DWT
K8NS	W6JTI	N6HY	J14POR	KM4NS	JN1RQV
LA9GX	WE4S	OZ2RH	K2MYR	N5KM	K2ZD
RA3CO		SM4BZH	K3NK	OH1ZK	K4JKB
RG7G	134	SM6BGG	K6SIK	OZ1IKY	K4XU
UU1JA	CT3HF	SP6M	K7LFY	R9SG	N8NA
W1ITU	IK4DCS	VE3CRG	K8BCK	S53X	OE3SGU
W5ODD	JA7LGE	W4AXL	K9GL	S55DX	OK3CQD
WB5JID	K1TO	W4RBO	KO8SCA	SM3GQP	PA5TT
	K1ZN	W4WM	NA4EA	SV3DCX	VE3CX
136	K3OX	W5SL	NO9E	US8UW	VE7BV
E72U	KX4TT	W6DR	OZ2ABI	VQ9LA	W8MK
ER0FEO	N9MR*	W7AH	PY5EG	W2WC	W8REW
HB9IQB	N9RS	W7CD	R3VA	W4IS	W9ILY
IK8CNT	NA5DX	W9FR	R5QA	W6RKC	WB0O
JH4HMG	OE1TKW	WB3D	R9AB	ZS6UT	WB2REM
K0TV	PY5HOT	XE2S	RU1AO		WD4LBR
K4ZO	RG6G		S51NM	127	YU1EXY
K7TM	RX4HW	131	SP6JIU	CT3KN	
KR6C	SM0BYD	DK7YY	TA1CM	HK1MW	125
OK1DW	UA0ACG	G3UHU	VE3DO	IK2SGB	9A1AD
SM5OJH	W4JKC	HS1NGR	W2MPK	JA1DDH	AG1A
SP2BMX	YU1AM	IV3KFB	W9ZT	JA1WLO	GW3TMP
UT3UZ		JA0AOO		JA8RJE	HK4SAN
UW8SM	133	JA2TBS	129	JA9KRO	IK5DNF
W2OIB	9K2NO	JH4ADK	HA1RB	JH3AIU	JA4IYL
WB7QXU	EU1U	JJ1TEA	HB9AZZ	JS2LHI	JA6VU
	IZ8DFO	JM1FHL	JA1NWD	K0RW	JE1TSD
135	JA7GLB	K1UU	JA8JO	K3TRM	JE6UWU
5B4MF	JA9AGN	K5VIP	K4TT	KM3T	JF2WXS
DJ9ZB	JR6FC	K9DR	K6XM	N1AC	JH1AGU
F6FXU	JR7FRW	KC2LSD	LB7ZG	N1GC	JL1RUC
IK8GYS	K2CDJ	KH2L	N0YY	OE8HIK	K1HAP
IU0HDC	KS4YT	KM3V	N3KS	PA3EWP	K5KG
JA7LMZ	KU2A	KM4H	N3RR	SK7AX	K8DV
JA8BNP	OE1KM	N3MK	W0YVA	SP6A	KA6BIM
JA8JL	ON4CAS	N4QWZ	W7QHE	SP7ASZ	KI4WCQ
K1ZE	RA5BM	N5PHT	W8MET	W0CP	LZ1XL
K4ZRJ	RV4LC	N6RK		W0RT	N2KA
K7FL	UQ2PZ	ON4ON	128	W1OPD	N3EN
K7XB	VE3WT	R0SR	AA4SC	W3BG	N4JT
NZ9R	W0NFL	R9MJ	DM2RM	W3FOX	N9RD
R7LP	W2QO	R9SA	IT9ZZO	W3MF	ND5S
RN3RQ	W5AJ	W8DCH	JA2AHH	XE1KK	NW6S

OE1AZS	NA2P	UU2JQ	119	KG8CW	W6SL
RA0BA	NA9RB	VA3AYA	AA3AZ	KV4AA	W8ZR
UU7JM	S50B	W0QQ	AA4DD	LZ2HM	WA2USA
VE3UTT	UA3DK	W2GG	AE3T	N2MM	
W5DAW	UR9QQ	W3RJW	AJ4A	N4DJ	116
W8LMG	UT3QU	W6XI	DK3GG	PY2PA	AJ4F
W9CG*	W1AO	W9XX	DL9OBY	RN3TT	DL7URH
WV4TN	W4NF	W9YE	EW4M	SV9COL	EA5BRE
YO2RR	W8NJR	WA1PMA	G4DJJ	TA2RC	HA7PF
	WB8K	WY1G	HB9AAQ	VK4CAG	IK0EIE
124	XE1H	XE1VIC	HB9BCI	W1KSZ	IK2OHG
AA7XT			I2TZK	W4DAO	IT9TQH
J11DHY	122	120	I4MKN	W4NJ	IV3HYD
KD4POJ	BA4RF	9A5F	IU0LFQ	W5JMW	JA1WTI
NA2U	G3NDC	AA5JF	JA3AZD	W9FI	JH3GCN
PA0TCA	JA1MRM	AC9EM	JA4XGC	WX3P	K1DC
UA0BA	K1BZ	AL7TC	JE2JMV	YO4AUL	K1RI
VA7CRZ	K1ESE	DL2VWR	JH6CDI		K9FN
VE1DUN	K1YT	FG5FR	K3FRK	117	KT1V
W2JU	K2MP	HB9BLQ	K5UZ	9Y4VU	KV1J
W2RIJ	K7ZA	IZ0LKV	K7EG	AA8CH	NA9Q
W3FM	KR0P	IZ5NFD	K8KWT	AE0P	OZ1LCG
W6CYX	LA7WCA	JA4EPE	K9SG	BH4IGO	PA0JSE
	LA8PT	JR3UIC	N0KV	DL1DWT	RV3ID
123	N3NR	JR6LLN	N9UA	G3PLP	TZ4AM
AB1OC	N9AW	K2BA	NT2A	IT9AAI	UA4PCM
AC4TO	NN7X	K2HK	NY7T	IT9DAA	W1ENE
DL7JRD	OZ3Y	K3QIA	OH5NG	JA1HQT	W1WEF
F4GTB	RD4A	K5JC	OK1DT	JA4FM	W7GG
G4WFQ	UU4JMG	K6FW	R6FFB	JA5FDJ	W7OEV
G5LP	VE6AX	KA8ZPE	SV1ACK	JA7GYP	W8LRO
HB0WR	W2TB	N4BAF	VE3YF	JA7IC	WQ5L
IK2CHZ	WA3I	N4LR	W4HZ	JM3GXU	
IK3XJP	WA7BNG	N4TB	W8FIB	JR2UBS	115
JA0CRG		N4UFP	WC2K	K2BB	C6AGU
JA1SJV	121	N8PW	WP3R	K3NF	CU2CE
JA3MHA	AA6RR	OE3EVA	XE1RCS	K6PJ	DL9GOA
JA6WJL	DF1DB	OZ2A		K8OOK	G4XEE
J14WAO	DK1EI	PZ5RA	118	K8QM	G8BCG
JK1EXO	DK6CQ	RL3BZ	5T5PA	N2BJ	G8DX
JR1EBE	EI2GLB	SP7ITB	AB2E	N4IR	HA5UK
K2PK	HB9DHG	SV1FKZ	DL5OCE	N6MB	HK3PJ
K3XO	JA2HYD	SV1IW	JA4FHE	N8AA	IW0HEX
K4ZIN	KD8RQE	UR5IKN	J18DGO	N8XI	IZ7JVR
K5GH	KG9Z	US0YA	JN7DOS	NY4G	JA2KNW
K7UT	N0OK	W0RX	K3WGR	OZ5HP	JA3NHL
K9CS	N1JP	W2YR	K4CNW	SM7BIC	JG3LGD
KV4T	N3ND	W3OA	K5XM	SP8HKT	JH1RFM
N2ED	N4TL	W4PRO	K7PI	UA6J	K0GD
N4DWK	N6HC	W6RFL	K8LN	UB3A	K0SD
N6MZ	SV1AHX	W7RN	K8WVA	UR9IDX	K4CMS
N9JV	UQ1GWW	WT4Q	KD2T	US1CT	K4GHS
N9LQ	UT4EO	ZL4AS	KD6UO	W4ZRZ	K4GK

K8YTO	XE3ARV	DJ1RL	AF4OX	F5BAR	K4RDU
LY4T		DK5RL	CU3AN	G3LNS	K5FZ
N0IRM	113	DL5CL	DG7RO	G8AJM	K5KA
N4OA	9A1A	EA1JO	DK2WH	HC1BI	K5KPE
N5BO	DJ5DT	EI8IU	DK6ED	I2BBJ	K6MW
N8KOL	DJ9RR	EW1DO	DL1HRN	IK5RUN	KE1F
PA3AXU	DL8CM	G3XGC	EV1R	IK8UHA	KZ5DX
RZ6MJ	DL8DYL	HB9CEX	F6ECI	IZ0CKJ	N1BZ
UA1ANA	G4AFJ	HB9CRV	G4DBN	J68HZ	N2WLG
UA1CGS	HB9EFK	HB9G	HL3GOB	JA7EPO	N7TY
UA6XT	JA0GCI	IK2ANI	JA1AUD	JE2UFF	N8NN
UN6T	JA1OVD	IU8FRE	JA1FGB	JH1VHU	ND4V
W4UCK	JA4ITW	IZ4DIW	JA1NCZ	K2BLA	NN4RR
YL2CZ	JH1ORA	JA1SXR	JE2EHP	K3JRR	NU4I
	K0TPP	JA4BXL	JE8TGI	K3PH	NX7U
114	K2HAT	JA7BXS	JF2WGN	K4WW	PY5CC
AB4GE	K8SL	JR7TEQ	K0FLY	K6MI	RW4UU
BA4DW	K9GWH	K0JPL	K5WAF	K6VKO	RW9QA
BA7IO	KA4RRU	K1EDG	K7ORK	KB4MRX	RX3AGD
CT3FN	KH6DX	K1EO	K9AJ	KC2STA	TG9NX
CU3AK	KI0G	K1KO	KM1R	N2CG	UB5ZAL
DL6NB	KT1J	K4UAS	KP4AA	N3HBX	UT7KF
F6CWA	N7KO	K8CC	KZ0X	N3IQ	VU2CPL
G3SDL	N9ISN	KB2FCV	LA0CX	N3JB	W5WP
HP3TA	NA3F	KI4DLS	N4WJ	N4KE	WB5TUF
I5OYY	NG0G	KM1C	N7BD	NC6K	WN0L
IK7YZG	NI5F	LA8HGA	N9HF	NK7C	YV3AGT
JA4KDT	NK5B	N5ZC	NA1DX	NY4I	
JA5WIZ	ON5UE	N6MA	UR6QA	RD9M	108
JH6WMJ	R7NA	N6PE	UT1UY	SM5BHW	AI2Q
K1RV	RA4UN	RU4SU	VE6KC	SP9WZS	AL7R
K2DC	RZ3AUL	SM3DMP	VE7CT	SV1VS	DL6CNG
K3MD	SM5ARL	UA1ACG	VE7UF	UA3O	ER1LW
K3OSX	SP3EPG	UA1CEI	W0VHF	US7MM	G3VAO
K5CD	SV1JFV	UT6UD	W1FO	W0UY	HB9BAT
K5RJ	SV2AVP	VE7XF	W4HOG	W3XY	HB9FAN
KB8U	UN7TW	W1HEO	W4OX	W4DC	IK0PRG
KZ4V	VE3KI	W2CVW	W5AQ	W4NE	IZ0BTU
N1QY	W2GW	W2SKI	W7VS	W5ZPA	IZ2EWR
N2JJ	W6BK	W3UL	W8KA	W6KK	JA2MOG
N3MN	W8FAX	W4VHF	W8MIL	WL7E	JJ2PIK
N4IQ	W9DX	W5VX	W9RB	XE1FAS	JK1MZT
NU8Z	W9HBH	W6TC	WA2BOT	YU7AU	K1EP
UA3FT	W9VNE	W8GEX	WA2MUA	ZL3NW	K1XM
W0VX	WA4DOU	W8HMK	WB4TDH		K2CJ
W3MR	WB2HJV	W9SE	WB9EEE	109	K2KQ
W4TUN	WB2UFF	WA8OLN	YL3DQ	DF1KG	K2MK
W5VY	WS4C	WT9U	YO6HOY	EA3GHZ	K4WY
WA1FCN	XE1RBV	ZP6CW		EU4T	K4YJ
WA4CEM	ZL1BYZ		110	F8EZE	K6UT
WA8MCD		111	BA4MY	G3SVD	K8OM
WA9YYY	112	9K2OD	DL1VDL	JA2CXF	KM8AM
WN9O	A92IO	AA4U	EA5BYP	K2ONP	KN4JX

LU2DKT	K8LBT	JH6PFY	G3YUV	104	RU3UR
N4MEC	K8ZR	JJ0NCC	HA8FW	9M2AX	RZ6DX
N6RFM	KB9DAK	JR0EQQ	JA1BWA	AD1C	RZ6LB
N9SF	KE2R	K0DEW	JA1TAA	AG4Q	SM5CCE
N9TF	KZ1W	K1PX	JA4EVN	AH0U	SM7CQY
NU4Y	N2RR	K4DSE	JA6VA	CP8HD	SO5AS
PA0ZH	N3DAP	K5AM	JA7BME	CX3CE	UA9FGJ
R5FY	N4RF	K5ZQ	JA8RRF	DK3BK	US5CAO
R7LA	N6EE	K8JJC	JA9APM	DL4FAP	UT4EK
RX6DX	N8AGU	KD9HL	JF1RYU	DL7UPN	UT7EC
S57J	NA5Q	KK8X	JO4CFV	E73D	UX4UM
SM6AOU	OE1CP	KK9H	K1DJ	EA8ZS	UY0MM
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UZ6LWZ	OK3CQR	N0JZ	K5AV	F6AJA	W0YBS
W2UB	R0FA	N2CW	K7OX	F8GB	W1QA
W3NRJ	RN4AA	N2SQW	K7PO	G3BRD	W3DRY
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W7ACD	SP3BQD	N8AID	KI5T	HK3O	W5CWQ
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WB8BZK	VE3OI	NS3L	LZ1JZ	JA2FGL	W6PH
WC1M	VK3NX	OE5CSP	N2DPF	JF1EGO	W7DR
WC6DX	W3KB	OH2OT	N4JI	JF6WTY	WA0I
WD9EQU	W4MAY	OK1AYU	N4NW	JK1BSM	WA9ETW
WW1WW	W6TDX	OK2BVG	N4PL	JO1WXO	YC0LOW
	W8IW	S57AL	N4SC	K0WK	YO5ODE
107	W8VK	UR3CRO	N4VN	K1BG	
4Z5LA	W9CPV	UT7UU	N6NU	K3FM	103
DJ8ES	WA0RVK	UU5WW	N7DR	K4KEW	AG1I
DK3FB	WB6CJT	V73AZ	ND3L	K4MF	AI3Q
DL1QQ	WB8ART	VQ9SS	ON7PQ	K4VIG	DJ1MM
DL2CHN	WS1L	W1CWU	OZ4AAL	K5HK	DJ3GZ
DL5XU	XE2YWH	W2EQ	PF7M	K6UM	DJ7PI
DO4DXA	YL1XZ	W2LE	PJ2/K8ND	K7TJR	DL2HX
EA5AT	ZL3RJ	W2NO	PY2DS	K9EA	DL8YRM
EA7QW		W3ICM	R6YY	KA2BZS	DM5TI
FG8OJ	106	W4IR	RA6AF	KH6KG/W5	DS3HWS
G4AKY	AA4FL	W5JAY	RD4WM	KI0KB	EA7SG
G4RGK	AE2U	W8OP	SP5JXK	KW0A	EU6MM
HI8R	DJ6OZ	WA4MYO	UA6LCN	LZ2XF	EW3LB
I5IHE	DL2NOM	WA6TLA	UR1RWX	N3ER	G3BDQ
IT9XTP	DL3JSW	YL2GN	UR2RGN	N3TR	G4AAW
JA5EY	DL6JZ	YU3EF	VE1PZ	N4GU	G4PUQ
JA6OXT	EA3CCN		VR2MY	N4TTE	G4VGO
JA8JTH	HA8DZ	105	VY2ZM	N6PF	I0OSI
JH9DRL	IK0ZIO	DF2PI	W1LE	N6WM	JA1JAT
JR1BAS	IW3GJF	DF8AA	W1LY	N8MZ	JA2GQO
K0MD	JA1VLK	DJ3XD	W4OWY	N9DR	JA2OLJ
K1TZQ	JA2MNB	DJ6KH	W5KI	N9PGG	JA3FHL
K3SW	JE6IGP	DL4ZAB	W6FF	NJ9C	JA8EJO
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K2UVV	DL3NCR	UA9UCO	K2TER	UT7HA	IS0/YO3RA
K4LQ	DL4CW	UW7CN	K3SEW	VE2OJ	IW0BYL
K5JUC	DL4KUG	VE2FYR	K4NNX	VE3XB	IW0HQE
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K8CCV	EA8AKN	W1MRH	K6AAW	W1AW	JA1CPU
K9MUG	EI4DQ	W1PV	K6XJ	W1FC	JA1ILA
K9XJ	EI6GF	W2LW	K7AR	W1GF	JA4FSH
KE1IU	ES5RW	W2TX	K7IA	W2SF	JA5DQH
KJ4R	F6BWO	W3EKT	K8BN	W3WH	JA9CGW
KJ7WY	FM5WD	W4ALF	K9JU	W4BUE	JF3DRI
KM9E	HB9AHL	W5TO	K9PG	W4PM	JH7BKN
LX1DA	I8LWL	W7IUU	KC4PX	W5RF	JS6TWW
N0RU	IT9SFT	WA0IDK	KD3UY	W7AV	K0LB
N1HOQ	IZ4MJP	WA1S	KE1VT	W7CB	K0XM
N9BBQ	JA0HXV	WD8DSB	KE4S	W8GB	K1NA
NU1T	JA8OW	WS4Y	KF7NN	W9MAF	K1NZ
OH3GD	K0YN	WW5G	KN6J	W9ZCL	K2CBI
OH4UI	K1PTF	YO2CMI	KQ1F	WA3EKL	K2CYE
OK1DQT	K2LP	YO2IS	KS4XQ	WB3HLH	K3TZV
OK2BQU	K2TK		LA2GV	WC4H	K4FT
OK3BRK	K3KG	101	LA6UL	WK9U	K4KSY
OZ7JZ	K4AQQ	AA2VG	LZ1XZ	WR2G	K4QS
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RA4HT	K6DJ	AC2AC	N5AQ	YO6BHN	K8BZ
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RU3OW	K7UA	CT1JGA	N9JCS		K8CS
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UA3PFN	KW4BY	DL1KS	OE3WQB	AA4AK	KC0V
US2WU	KY6R	DL3ANK	OH3TY	AB4VV	KC4D
UT2AB	LA3ANA	DL5JS	OK1PGF	AC4VM	KC5LT
VA2ZO	N5RZ	DM3ML	OK2BOB	AI2S	KD8BZY
VA3IC	NZ3M	EA1WX	OK3EY	DJ6OI	KP4N
VE3EDY	OH2EA	EU1TT	OK4MM	DL1TPY	KQ5M
VE3MFA	OK1DTN	G3ZFC	ON4LG	DL1TRK	LA8W
VE3VV	OK1JDX	G4FJK	PA4WM	DL9GTB	LU5OM
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W1CTN	PV8ABC	IV3GOW	RA4SD	EA2AAZ	MM0SJH
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YO7APA	SM6WET	JF1RPZ	SP7JLH	G0VXE	N2XQM
	SP5MXZ	JH3HGH	SV1PL	G3OIL	N3AF
102	T77V	JH3PRR	UA0FDX	G4CGG	N4CRI
A6/RV6LNA	UA1AIR	JI3KDH	UG6GAW	GM3ZSP	N4ZR
CT4BD	UA1CKC	K0LW	UR7CQ	I2VGW	N7DED
DK3QM	UA6HOF	K1YR	UT1CC	IK0HFO	N7TK

N8IL	W4OV
N8NB	W5BK
N8OQ	W7DT
N9ADG	W7JET
NA6O	W8CNL
NB3R	W8FN
NG7A	W8GDQ
NJ3I	WB4SON
NN4SS	WU2M
OE5JDL	YB1TJ
OK1DXD	YL2SM
OK2PAZ	YO9FLD
ON4ANN	ZP9MCE
ON7EH	ZS2DL
ON7GB	
ON9CC	
OZ1ZD	
PA0INA	
PA7RA	
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R9JX	
RA3SD	
RA4LW	
RA6XB	
RC2A	
RN1A	
RT5A	
RU3GF	
S53MJ	
S59SV	
SV1VJ	
SV2DSJ	
TI5CDA	
UA3AKI	
UA4PAY	
UA6CEY	
UN6P	
UR4CW	
UR4LRG	
UR8IDX	
VE1RGB	
VE3OAT	
VE7JKZ	
VP2VA	
VR2PX	
W0GYH	
W0MU	
W1AN	
W1YRC	
W2CCC	
W3BBO	
W4HHN	
W4OEP	