

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

LA5HE RJ3AA WD5COV	287 CT1APE DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	JA2PJC K1CP S59Z W4TO	SP6AEG UW2ZM	267 LU8DPM RZ3DX	260 EA5BM K1LT K4DY
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	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA4V AA6YQ AA7A EI7BA K4XP RW0LT SP5DIR SV8BHN 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 SP6CIK	264 IK2YCW K7ZV W1GL	257 K1GUN N8TR W9YSX
290 UA3AKO	284 K5XI SP3DV				256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF
289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP	255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI
288 HB9BGV PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	282 DL1YD I0WDX K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	276 DK5WL G3LZQ N8RR N9IW OK1AWZ VE2Tzt	270 AA1V JA5AUC LA3MHA OE5KE	262 G0DQS IK5HHA KR9U N5KD W1YY	254 N0AT OM3DX WA4FFW
	281 DF2PY HB9BIN	275 9A1CCY F5NBU I2AOX IK4CIE K2UO K4IQJ OH3BU	269 K6ND KD5M RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S	253 5B4AGN AA1QD

K5ESW S58Q UA1OMS W0YG	NN4X NO2R R7IA WB3AVN YO9HP	N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	JF2KOZ 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 EA6ET G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN WA7NB WA7NS	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ	225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW
251 DJ7RD DL9RT I1EIS JH0BBE K9NW N4II PY2RO W5UN W7LR	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 JR3GWZ K0KT K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK	234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR PY1BVY S51DI	229 CT1FJK DJ4AX JA8FKO J11BEX OE5NNN RO7T	
250 HB9RG NQ1K OZ8BZ	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ		233 DJ5FI K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO	228 AF9H AI0O E72A K4HB N2WK OH2BEN UW5ZM VE3DZ WB6RSE	224 IZ1LBG MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ
249 AB3CV AI9L JR3IIR K9RX SP5DRH	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G	238 DL8WN IK0XEZ JA0DAI RA0FF VO1HP W3LL	232 EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP	227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO UR5FEO ZS4TX
248 K3WW K5RX SM3VAC SV8GFW T77C UT9FJ W9NGA	242 EA4KD KG7H SV8CKM	237 DL7MAE NI0G OM4EX UR5EDX			
247 K0IEA K6XT	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM	236 AB4I AC4G K1JO		226 DL5WW I3BUI JA6BZI	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW

N5JR N8PR N9BX SM0CCM	ON6YH UA3AGW	WS9V	K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ	N4QS N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W3GG
221 JA2WYN JJ3PRT K4MWB K8SIX N6VR W1ZK W6JRY WS6X	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	212 AA9A DL9GFB F6DAY K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	203 AA5AM JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
220 AG8B DK2NG HB9LCW HL5IVL JR4OZR KA1R N1LN VE3EXY	215 AD5A 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 SM2OAN UA9FAR WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR RX3APM W8HB
219 IK3VUU JA2FBY JA2FJP JF3KON KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA LA4GHA OK1DX RN7G W4NL	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA W8UN WB8ZRL		197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS XE2X
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA7JO NA2M* RU4SO W0LYI W1FJ W2WG W3YY	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO WP4U	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A N4NX	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK W2IRT W5TCX	
217 DM5EE JH1IFS K5PC		208 G3NSM I4LCK JA9FPI JF4VZT			196 4Z4DX AA4HP

IK4PLW	UA0CA	AB4IQ	JF1NZW	179	W4BP
JA3RAR	W9MU	CT1FMX	K4HGX	CT1FPQ	W4GD
JA4PXC	WA2VYA	JA1KQX	K5KLA	IT9ELD	YO7NE
K8PO		KB0EO	KB4ET	IW0SAF	
KP2A	192	KB1EFS	S57AC	JA9NLE	175
ND0N	9A2NA	KE9ET	US8UA	JR7BDQ	JA1CHN
RA9CMO	CT1IUA	KL0S	W2YJ	K8WK	JS3CTQ
RZ4FO	JA7JWF	N8LJ		N2PK	K4DLI
W2FCR	JH1RFR	RM0F	183	OK1MG	K5GKC
W4UM	K3FN	W6SR	CT3MD	S57UN	N7IR
	K4FJ	W8JV	IT9INO	SM4DDE	N7XR
195	K5XX	WA3C	K4CN	SV3FUP	PE1L
EA3JL	K7GM	WA6YEE	K8RRT	W8KEN	SP1MGM
EA5RM	K9EU		K8VC		TF3SG
G3ZEM	KF7PG	187	N9MB	178	VE3FF
JA1EOD	N4DB	AJ1H	NN2L	4Z5CX	W8HC
JH1QAX	OH2IS	K0SR	ON6SAS	EA3CJ	WX0V
JN7FAH	W3UA	K6SRZ	W2FP	JA4MRL	
K3PA	W3YQ	KN5O	W8NW	K2UR	174
K7SO	W8LGJ	LA0FA		NE0U	4Z5MU
K9RT		N2NS	182	SM7DLK	JA0GJJ
KF8UN	191	OK1CZ	DJ9ON	SV1JG	JA1PPW
N1SV	JA1ANR	SM0NJO	DK3UA	W6NWS	JA2XW
NK1K	K0JGH	W7AWA	HK3W	W7MEM	JA7MOL
W5ZG	K8FC		JA1SHE	ZS1LS	JF7DZA
W9OP	K9LA	186	JA3ENN		JK1OPL
	NE1B	9A8A	N3OC	177	JR6PGB
194	RK2FWA	IK2QPR	UR3EO	9H1SP	K0TT
K4KDX		JA8DNV		AE5E	K1KI
K9JF	190	K0BJ	181	CT1GFK	K2KA
KB9LIE	IZ8XQC	K7LAY	DK3WW	IK4ADE	K3AJ
KC9ARR	JA1DUH	W1YM	JN4MMO	K3WC	K4TR
LA7AFA	JA1MCU	YL2TW	K2EP	K4RG	K4WS
SM7GIB	K0BBC		LZ2ZG	K9NU	N1EN
W2LO	K2TE	185	VE3OSZ	SM6DHU	OE1WHC
W4FC	K9KU	AB6QM	W9AJ	W2OR	RN7F
WD8JJA	KM1D	CT1EAV		W5LT	UA3LNM
WN6W	N4XU	EA6BF	180	W7FI	W8UV
	N5GH	G3KWK	DM2DXA	WB7B	W8VVG
193	SP2LNW	IK3SWB	DM3VL		WT8C
DF2GH	VE7VV	JA2LCP	EA8JF	176	
DK1FW	WE9R	K5ZD	JA2BDR	EU1AB	173
DL5ZB		LA3WAA	JE2URF	I6FLD	5B4ALJ
DL6ZXG	189	N4TJ	K6SSS	JA0DET	I1JQJ
EA3WD	9A2F	N5UR	K7BG	JA5IU	JA9TWN
HA5BSW	EA8PP	OE2BZL	LA9AJA	JA6BJV	JG0CQK
JA0EOK	FM5CD	SP3FAR	N1RR	JA8KSF	K1NTR
JA1XEC	JA0VSH	SV1DPI	N4AH	JL1SAM	K4XR
K4ODL	SP7HOV	UA9CBO	ON5FP	K8MN	K9YC
N5LZ	UA7T		UT2UB	N5OK	KA1J
N9EN		184	W1RM	OK1DWC	N5FG
PA0LOU	188	HA5WA	W7BEM	RL3FA	PY5EW
RN1ON	AA1ON	JA2ZL	W8TN	SM5FUG	

172 EA7TV G0BLB G3NKC IZ5MOQ JA3FGJ JG3IWL K0DEQ K1BD K6FG KJ0M W3JX W4FQT WC4X	K1LI N4XX N7US UT8MM UY5AA W6RW W7Yaq WB3JFS 168 G3MXJ IK2EGL JE7JDL JF2UPM K4XD K5QY K8RYU KR4F N4QQ N8BJQ PA7F SP5GH W4SVO W6VX W8OI WA0MHJ WA5YNB 167 DK5AD EC3A EI6FR JA6VQA K6KO K8NK K9MBQ N0IJ N3BNA OH2BLD PA3C RA1AOB RN9N S51EC VE6WQ W1YW WA4LOX WC5N	JA1FNA JA9LJS K1KA K3KY K4JLD K4PB K4WA K4ZYU RM3DA W0DJC W1RR W8ILC WA8TXT 165 DL7UCX F6HDH I2ZGC IK0AGU JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN 164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG SV2AEL W4DKS W4NS* WW3S 163 9A2JK DJ9HX JE2LUN K7NN K8TL	OK2QA UR4CWQ VE3CFK W7AL 162 4O3A 9A4W F3AT HB9TKS IZ4DPV JA6GIJ JR5JAQ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ 161 DK2GZ DL6RAI HB9DHK JA1DOF JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW 160 AD5Q DK1WB DL1DA IK0FUX IW2FND JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR	W5XC W9RN WX0B 159 JA4FKX JH6QFJ K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT 158 DJ4PT DL1FKA IT9DSZ JA9APS JH1TWT JI1FXS JI1NJC JR1GJP K5TT K9GA OZ1HX RU6M SM4EMO W0SZ W1OX W2XL W3GQ W4QN 157 AA4H AC6DD DL6MRS EA5BY G3TQZ G4GIR JA1GHH JE2DZC JH2QMT JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA	W5GZ YV2IF 156 AB9V DL4MM IZ8IEV JO7HAM K0QC K8YSE KS1J N3RC N3UA N7WS OE5RLM UA3SAQ VA3LX W1YIF W4TV 155 DL1RK DL4SZB HB0CC JE3GRQ K2LS NE0DX NW7E SM6VR W2XI WE1P ZS6EZ 154 3V8SF GM3PPE HB9BUN JA8NFV JR3OEH K0KVR KR2Q NX8Y W1NA W5DNT WB0TEV WS7L YS1RR 153 AA6AA AJ9C DL3ZA G3TJW
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HL2CFY	W7CT	JH1QDB	N5XZ	IT9BLB	UN1L
JF1IRW	W7RH	K5VWW	NA5C	JH0BQX	VE6SV
JR9OPJ	WA1Z	LA6OP	RT0F	JR7WFC	W0SEI
K7SP	WA2BCK	N2WB	SM3DTR	K3PP	W4NU
K8VFX	WP4G	NE3F		K4WZ	W7IV
N4TV		W5FKX	144	K6EME	W8GNM
N5TW	150	W9JJB	CU3EQ	KK1W	W8LWU
N8II	EA1AF		DL5CW	LA9VFA	WO2T
R9OK	IV3RAV	147	DL5KUA	MM0SAJ	YL2MU
SM6CLU	JA1SVP	EA3GP	E70T	N2ZN	YO9FNP
SP5CCC	JA2NQG	F5PAC	EI6IZ	N7QT	
UT5UY	K0RS	IV3VBM	GM3ITN	NA4D	139
WB8BPU	K5TR	JA1XQC	HB9BYQ	NQ7R	DF7EE
	K7LV	K7HP	I5MXX	NY2NY	DJ4XA
152	K8AJS	K8UT	IT9GSF	OK1DO	DL5EBE
EW2A	KU4XO	KM1H	IV3DXW	W2OO	DL8OH
JT1CO	N3QE	N1IBM	IZ4GWE	W5LUA	DS1JFY
KQ4AV	N9CO	PC3T	JA3GN	W5VQ	JA1TMG
KS3F	OE8SPW	W1OP	JE1FQV	WA5POK	J11DCW
N9OY	SQ5EBM	W2KKZ	K0VSH	WB8CQV	K3ANS
S55ZZ	SV1CNS		KJ9C		K6AM
UA6IGI	UA6YW	146	N1IX	141	K8GI
UN7LZ	W6DAO	EU4A	N3KK	AC9S	K8RF
UT5AB	WW2DX	JA1HQG	SM4OLL	DL5MHQ	KA8SYV
VE6LB		JA4DHN	SM5CLE	EW1BA	KU0A
W1SKU	149	JA5XAE	W4GE	HB9FMT	LA8WG
W1VT	DL7CX	JH1GNU	W5ADD	JA1PTJ	OH1JP
W6RLL	HB9HFN	K1CA	W7ZI	JA2ATE	OK1MP*
W7AJ	IK4FNF	K5KV	W8RLS	JA9RRH	SM5CBM
WB3CQM	JL1ARF	K5SM	WC5M	JH1HHC	SV8ZC
	K3RA	K6NR	WD5T	JL1UXH	W0SD
151	K3TN	K7WP	YO3CD	JR2LJO	WA8WV
AA7G	K4YYL	N7BT		K2RW	
CU2AP	K8ME	RU0SN	143	N8OC	138
DK2OY	K8ROX	W1IZL	DL1DUO	NJ3K	DK8MCT
EI9JF	K9MK	W1ZT	DL6EN	OE6VIE	DK8YY
F3SG	R8TX		HS0ZEE	SV3FUO	EI9FBB
HB9SLO	SM6CUK	145	K7CMZ	W2CG	F6DDR
IZ3ENH	UW7UA	AF4HX	K7CW	W3BW	IK8EPC
JA2VQF	W0GG	HI3T	N2RJ	W4JVN	JA3OOK
JA6BEE	W2/CT1GIF	I0JBL	N2WM	W4VIC	JF3LOP
JH1NYM	W7HPW	IZ0RVI	N5UW	W4WT	JH7RXU
JR1XIS	WB8B	JE6TSP	N6PAT	W8HW	K1RO
K2AX	WD5K	JJ3HGJ	N6PSE	ZS1C	K2RET
K2FW	WS5W	JK1AJX	NN4R		KJ6P
KD0PO	YO3DDZ	JN1BMX	W0IZ	140	LB5WB
N5JB		K1OA	W6QUV	9A1CAL	ON6AA
OK1ATP	148	K3VAT	WB8ZRV	K5WK	OZ8X
RD3A	CT1FCX	K4OY	WD9DZV	K6KLY	RW4CY
RU3A	DK2CC	K8BL		KF8DX	UN7JID
S54A	F5CQ	KF6HI	142	N4XP	V51B
SP7AWG	F5LVL	N1CGP	DF2RG	OH6NIO	W1GD
SV9AHZ	G4FTC	N4GG	I5HOR	ON7DR	W2YE

W4YV	NZ9R	W0NFL	R9MJ	JA2AHH	XE1KK
W7OM	R7LP	W2QO	R9SA	JA2KSP	
	RN3RQ	W5AJ	W8DCH	JA9AA	126
137	SM3LGO			JE1LFX	DJ8WD
EA1YO	SM5CZK	132	130	JH4GJR	DL9FCY
GM3YOR	SP3XR	AA4NC	DF9ZW	K0FF	F8BPN
HB9CQK	W1DIG	AB9M	E73M	K3XA	G4IUF
HB9RYZ	W1EQ	AD6W	EI2JD	K4JAF	IZ7EVZ
IZ2FOS	W2GD	IT9RDG	G7VJR	K4SE	JA1XCZ
JA3APU	W4BUW	JA2KVD	HK0HEU	K6LPO	JA7KY
JA4OK	W4MBD	JA6CBG	JA2FBC	KG7CW	JH3CUL
JH4JNG	W4RFZ	K6YUI	JG1DUZ	KM4NS	JJ1DWT
K2QMF	W6JTI	K9ZM	J14POR	N5KM	JN1RQV
K8NS	WE4S	N6HY	K2MYR	OH1ZK	K2ZD
LA9GX		OZ2RH	K3NK	OZ1IKY	K4JKB
RA3CO	134	SM4BZH	K6SIK	R9SG	K4XU
RG7G	CT3HF	SM6BGG	K7LFY	S53X	LB7ZG
UU1JA	IK4DCS	SP6M	K8BCK	S55DX	N8NA
W1ITU	JA7LGE	VE3CRG	K9GL	SM3GQP	OE3SGU
W5ODD	K1TO	W4AXL	KO8SCA	SV3DCX	OK3CQD
WB5JID	K1ZN	W4RBO	NA4EA	US8UW	PA5TT
	K3OX	W4WM	NO9E	VQ9LA	VE3CX
136	KX4TT	W5SL	OZ2ABI	W2WC	VE7BV
E72U	N9MR*	W6DR	PY5EG	W4IS	W8MK
ER0FEO	N9RS	W7AH	R3VA	W6RKC	W8REW
HB9IQB	NA5DX	W7CD	R5QA	ZS1A	W9ILY
IK8CNT	OE1TKW	W9FR	R9AB	ZS6UT	WB0O
JH4HMG	PY5HOT	WB3D	RU1AO		WB2REM
K0TV	RG6G	XE2S	S51NM	127	WD4LBR
K4ZO	RX4HW		SP6JIU	CT3KN	YU1EXY
K7TM	SM0BYD	131	TA1CM	HK1MW	
KR6C	SV5DKL	DK7YY	VE3DO	JA1DDH	125
OK1DW	UA0ACG	G3UHU	W2MPK	JA1WLO	9A1AD
SM5OJH	W4JKC	HS1NGR	W9ZT	JA8RJE	AG1A
SP2BMX	YU1AM	IV3KFB		JA9KRO	GW3TMP
UT3UZ		JA0AOO	129	JH3AIU	HK4SAN
UW8SM	133	JA2TBS	HA1RB	JS2LHI	IK5DNF
W2OIB	9K2NO	JH4ADK	HB9AZZ	K0RW	JA4IYL
WB7QXU	EU1U	JJ1TEA	JA1NWD	K3TRM	JA6VU
	IZ8DFO	JM1FHL	JA8JO	KM3T	JE1TSD
135	JA7GLB	K1UU	K4TT	N1AC	JE6UWU
5B4MF	JA9AGN	K5VIP	K6XM	N1GC	JF2WXS
DJ9ZB	JR6FC	K9DR	N0YY	OE8HIK	JL1RUC
F6FXU	JR7FRW	KC2LSD	N3KS	PA3EWP	K1HAP
IK8GYS	K2CDJ	KH2L	N3RR	SK7AX	K5KG
IU0HDC	KS4YT	KM3V	W0YVA	SP6A	K8DV
JA7LMZ	KU2A	KM4H	W7QHE	SP7ASZ	KA6BIM
JA8BNP	OE1KM	N3MK	W8MET	W0CP	KI4WCQ
JA8JL	ON4CAS	N4QWZ		W0RT	LZ1XL
K1ZE	RA5BM	N5PHT	128	W1OPD	N2KA
K4ZRJ	RV4LC	N6RK	AA4SC	W3BG	N3EN
K7FL	UQ2PZ	ON4ON	DM2RM	W3FOX	N4JT
K7XB	VE3WT	R0SR	IT9ZZO	W3MF	N9RD

ND5S	N6MZ	SV1AHX	W6RFL	KD2T	VE3YF
NW6S	N9JV	UQ1GWW	W7RN	KD6UO	W4ZRZ
OE1AZS	N9LQ	UT4EO	WT4Q	KG8CW	W6SL
RA0BA	NA2P	UU2JQ	ZL4AS	KV4AA	W8ZR
UU7JM	NA9RB	VA3AYA		LZ2HM	WA2USA
VE3UTT	S50B	W0QQ	119	N2MM	
W5DAW	UA3DK	W2GG	AA3AZ	N4DJ	116
W8LMG	UR9QQ	W3RJW	AA4DD	PY2PA	AJ4F
W9CG*	UT3QU	W6XI	AE3T	RN3TT	DL7URH
WV4TN	W1AO	W9XX	AJ4A	SV9COL	EA5BRE
YO2RR	W4NF	W9YE	DK3GG	TA2RC	HA7PF
	W8NJR	WA1PMA	EW4M	VK4CAG	IK0EIE
124	WB8K	WY1G	G4DJJ	W1KSZ	IK2OHG
AA7XT	XE1H	XE1VIC	HB9AAQ	W4DAO	IT9TQH
IK3VBB			HB9BCI	W4NJ	IV3HYD
J11DHY	122	120	I2TZK	W5JMW	JA1WTI
KD4POJ	BA4RF	9A5F	I4MKN	W9FI	K1DC
NA2U	G3NDC	AA5JF	IU0LFQ	WX3P	K1RI
PA0TCA	JA1MRM	AC9EM	JA3AZD	YO4AUL	K9FN
UA0BA	JH1AGU	AL7TC	JA4XGC		KT1V
VA7CRZ	K1BZ	DL2VWR	JE2JMV	117	KV1J
VE1DUN	K1ESE	EI2GLB	JH6CDI	9Y4VU	NA9Q
W2JU	K1YT	FG5FR	K3FRK	AA8CH	OZ1LCG
W2RIJ	K2MP	HB9BLQ	K5UZ	AE0P	PA0JSE
W3FM	K7ZA	IZ0LKV	K7EG	BH4IGO	RV3ID
W6CYX	KR0P	IZ5NFD	K8KWT	DL1DWT	TZ4AM
	LA7WCA	JA4EPE	K9SG	G3PLP	UA4PCM
123	LA8PT	JR3UIC	N0KV	IT9AAI	W1ENE
AB1OC	N3NR	JR6LLN	N9UA	IT9DAA	W1WEF
AC4TO	N9AW	K2BA	NT2A	JA1HQT	W7GG
DL7JRD	NN7X	K2HK	NY7T	JA4FM	W7OEV
F4GTB	OZ3Y	K3QIA	OH5NG	JA7GYP	W8LRO
G4WFQ	RD4A	K5JC	OK1DT	JA7IC	WQ5L
G5LP	UU4JMG	K6FW	R6FFB	JM3GXU	
HB0WR	VE6AX	KA8ZPE	SV1ACK	JR2UBS	115
IK2CHZ	W2TB	N4BAF	W4HZ	K2BB	C6AGU
IK3XJP	WA3I	N4LR	W8FIB	K3NF	CU2CE
JA0CRG	WA7BNG	N4TB	WC2K	K6PJ	DL9GOA
JA1SJV		N4TL	WP3R	K8OOK	G4XEE
JA3MHA	121	N4UFP	XE1RCS	K8QM	G8BCG
JA6WJL	AA6RR	N8PW		N2BJ	G8DX
J14WAO	DF1DB	OE3EVA	118	N4IR	HA5UK
JK1EXO	DK1EI	OZ2A	5T5PA	N6MB	HK3PJ
JR1EBE	DK6CQ	PZ5RA	AB2E	N8AA	IW0HEX
K2PK	HB9DHG	RL3BZ	DL5OCE	N8XI	IZ7JVR
K3XO	IK2SGB	SP7ITB	JA4FHE	NY4G	JA2KNW
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K5GH	KD8RQE	UR5IKN	JN7DOS	SM7BIC	JA5FDJ
K7UT	KG9Z	US0YA	K3WGR	SP8HKT	JG3LGD
K9CS	N0OK	W0RX	K4CNW	UA6J	JH1RFM
KV4T	N1JP	W2YR	K7PI	UB3A	K0GD
N2ED	N3ND	W3OA	K8LN	UR9IDX	K0SD
N4DWK	N6HC	W4PRO	K8WVA	US1CT	K4CMS

K4GHS	WA9YYY	ZL1BYZ	ZP6CW	110	EU4T
K4GK	WN9O			BA4MY	F8EZE
K5XM	XE3ARV	112	111	DL1VDL	G3SVD
K8YTO		A92IO	AA4U	EA5BYP	JA2CXF
LY4T	113	DJ1RL	AF4OX	F5BAR	K2ONP
N0IRM	9A1A	DK5RL	CU3AN	G3LNS	K4RDU
N4OA	DJ5DT	DL5CL	DG7RO	G8AJM	K5FZ
N5BO	DJ9RR	EA1JO	DK2WH	HC1BI	K5KA
N8KOL	DL8CM	EI8IU	DK6ED	I2BBJ	K5KPE
PA3AXU	DL8DYL	EW1DO	DL1HRN	IK5RUN	K6MW
RZ6MJ	G4AFJ	G3XGC	EV1R	IK8UHA	KE1F
UA1ANA	HB9EFK	HB9CEX	F6ECI	IZ0CKJ	KZ5DX
UA1CGS	JA0GCI	HB9CRV	G4DBN	J68HZ	N1BZ
UA6XT	JA1OVD	HB9G	HL3GOB	JA7EPO	N2WLG
UN6T	JA4ITW	IK2ANI	JA1AUD	JE2UFF	N7TY
W4UCK	JH1ORA	IU8FRE	JA1FGB	JH1VHU	N8NN
YL2CZ	JH3GCN	IZ4DIW	JA1NCZ	K2BLA	ND4V
	K0TPP	JA1SXR	JE2EHP	K3JRR	NN4RR
114	K2HAT	JA4BXL	JE8TGI	K3PH	NU4I
AB4GE	K8SL	JA7BXS	JF2WGN	K4WW	NX7U
BA4DW	K9GWH	JR7TEQ	K0FLY	K6MI	PY5CC
BA7IO	KA4RRU	K0JPL	K5WAF	K6VKO	RW4UU
CT3FN	KH6DX	K1EDG	K7ORK	KB4MRX	RW9QA
CU3AK	KI0G	K1EO	K9AJ	KC2STA	RX3AGD
DL6NB	KT1J	K1KO	KM1R	LZ1PM	TG9NX
F6CWA	N7KO	K4UAS	KZ0X	N2CG	UB5ZAL
G3SDL	N9ISN	K8CC	LA0CX	N3HBX	UT7KF
HP3TA	NA3F	KB2FCV	N4WJ	N3IQ	VU2CPL
I5OYY	NG0G	KI4DLS	N7BD	N3JB	W5WP
IK7YZG	NI5F	KM1C	N9HF	N4KE	WB5TUF
JA4KDT	NK5B	LA8HGA	NA1DX	NC6K	WN0L
JA5WIZ	ON5UE	N5ZC	UR6QA	NK7C	YV3AGT
JH6WMJ	R7NA	N6MA	UT1UY	NY4I	
K1RV	RA4UN	N6PE	VE6KC	RD9M	108
K2DC	RZ3AUL	RU4SU	VE7CT	SM5BHW	AI2Q
K3MD	SM5ARL	SM3DMP	VE7UF	SP9WZS	AL7R
K3OSX	SP3EPG	UA1ACG	W0VHF	SV1VS	DL6CNG
K5CD	SV1FKZ	UA1CEI	W1FO	UA3O	ER1LW
K5RJ	SV1JFV	UT6UD	W4HOG	US7MM	G3VAO
KB8U	SV2AVP	VE7XF	W4OX	W0UY	HB9BAT
KZ4V	UN7TW	W1HEO	W5AQ	W3XY	HB9FAN
N1QY	VE3KI	W2CVW	W7VS	W4DC	IK0PRG
N2JJ	W2GW	W2SKI	W8KA	W4NE	IZ0BTB
N3MN	W6BK	W3MR	W8MIL	W5ZPA	IZ2EWR
N4IQ	W8FAX	W3UL	W9RB	W6KK	JA2MOG
NU8Z	W9DX	W4VHF	WA2BOT	WL7E	JJ2PIK
UA3FT	W9HBH	W5VX	WA2MUA	XE1FAS	JK1MZT
W0VX	W9VNE	W6TC	WB4TDH	YU7AU	K1EP
W4TUN	WA4DOU	W8GEX	WB9EEE	ZL3NW	K1XM
W5VY	WB2HJV	W8HMK	YL3DQ		K2CJ
WA1FCN	WB2UFF	W9SE	YO6HOY	109	K2KQ
WA4CEM	WS4C	WA8OLN		DF1KG	K2MK
WA8MCD	XE1RBV	WT9U		EA3GHZ	K4WY

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K6UT	K3YBN	JH6PFY	ES1GO		NN3Q
K8OM	K4SAF	JJ0NCC	G3YUV	104	RA1QX
KM8AM	K8LBT	JR0EQQ	HA8FW	9K2OD	RU3UR
KN4JX	K8ZR	K0DEW	JA1BWA	9M2AX	RZ6DX
LU2DKT	KB9DAK	K1PX	JA1TAA	AD1C	RZ6LB
N4MEC	KE2R	K4DSE	JA4EVN	AG4Q	SM5CCE
N6RFM	KZ1W	K5AM	JA6VA	AH0U	SM7CQY
N9SF	N2RR	K5ZQ	JA7BME	CP8HD	SO5AS
N9TF	N3DAP	K8JJC	JA8RRF	CX3CE	UA9FGJ
NU4Y	N4RF	KD9HL	JA9APM	DK3BK	US5CAO
PA0ZH	N6EE	KK8X	JF1RYU	DL4FAP	UT4EK
R5FY	N8AGU	KK9H	JO4CFV	DL7UPN	UT7EC
R7LA	NA5Q	KP4AA	K1DJ	E73D	UX4UM
RX6DX	OE1CP	KQ3F	K2XF	EA8ZS	UY0MM
S57J	OK2BUZ	N0JZ	K4MS	EI9E	VE3VHB
SM6AOU	OK3CQR	N2CW	K5AV	F6AJA	W0YBS
UX7UN	R0FA	N2SQW	K7OX	F8GB	W1QA
UZ6LWZ	RN4AA	N3XM	K7PO	G3BRD	W3DRY
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W3NRJ	SP3BQD	NA5Z	KI5T	HK3O	W5CWQ
W4ZYT	SP6AXW	NI5M	KT2E	IK0DWN	W5GJ
W7ACD	US5CB	NS3L	KX2A	JA1SDV	W5ZO
WA2ALY	VE3OI	OE5CSP	LZ1JZ	JA2FGL	W6PH
WA8MOA	VK3NX	OH2OT	N2DPF	JF1EGO	W7DR
WB8BZK	W3KB	OK1AYU	N4JI	JF6WTY	WA0I
WC1M	W6TDX	OK2BVG	N4NW	JK1BSM	WA0RVK
WC6DX	W8IW	S57AL	N4PL	JO1WXO	WA9ETW
WD9EQU	W8VK	UR3CRO	N4SC	K0WK	YC0LOW
WW1WW	W9CPV	UT7UU	N4VN	K1BG	YO5ODE
	WB6CJT	UU5WW	N6NU	K3FM	
107	WB8ART	V73AZ	N7DR	K4KEW	103
4Z5LA	WS1L	VQ9SS	ON7PQ	K4MF	AG1I
DJ8ES	XE2YWH	W1CWU	OZ4AAL	K4VIG	AI3Q
DK3FB	YL1XZ	W2EQ	PF7M	K5HK	DJ1MM
DL1QQ	ZL3RJ	W2LE	PJ2/K8ND	K6UM	DJ3GZ
DL2CHN		W2NO	PY2DS	K7TJR	DJ7PI
DL5XU	106	W3ICM	R6YY	K9EA	DL2HX
DO4DXA	AA4FL	W4IR	RA6AF	KA2BZS	DL8YRM
EA5AT	AE2U	W5JAY	RD4WM	KH6KG/W5	DM5TI
EA7QW	DJ6OZ	W8OP	SP5JXK	KI0KB	DS3HWS
FG8OJ	DL2NOM	WA4MYO	UA6LCN	KW0A	EA7SG
G4AKY	DL3JSW	WA6TLA	UR1RWX	LZ2XF	EU6MM
G4RGK	DL6JZ	YL2GN	UR2RGN	N3ER	EW3LB
HI8R	EA3CCN	YU3EF	VE1PZ	N3TR	G3BDQ
I5IHE	HA8DZ		VR2MY	N4GU	G4AAW
IT9XTP	IK0ZIO	105	VY2ZM	N4TTE	G4PUQ
JA5EY	IW3GJF	DF2PI	W1LE	N6PF	G4VGO
JA6OXT	JA1VLK	DF8AA	W1LY	N6WM	I0OSI
JA8JTH	JA2MNB	DJ3XD	W4OWY	N8MZ	JA1JAT
JH9DRL	JE6IGP	DJ6KH	W5KI	N9DR	JA2GQO
JR1BAS	JG3HBO	DL4ZAB	W6FF	N9PGG	JA2OLJ
K0MD	JG5RVQ	DL6XK	WQ5W	ND3L	JA3FHL

JA8EJO	102	T77V	JH3PRR	UA0FDX	G4CGG
JE1SYN	A6/RV6LNA	UA1AIR	J13KDH	UG6GAW	GM3ZSP
JH1DGQ	CT4BD	UA1CKC	K0LW	UR7CQ	I2VGW
JM2RUV	DK3QM	UA6HOF	K1YR	UT1CC	IK0HFO
K0EOO	DL3DXX	UA9MR	K2BX	UT4IS	IK4MSV
K2UVV	DL3NCR	UA9UCO	K2TER	UT7HA	IS0/YO3RA
K4LQ	DL4CW	UW7CN	K3SEW	VE2OJ	IW0BYL
K5JUC	DL4KUG	VE2FYR	K4NNX	VE3XB	IW0HQE
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K9MUG	EI4DQ	W1PV	K6XJ	W1FC	JA1ILA
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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	K1TZQ
OH4UI	K1PTF	YO2CMI	KQ1F	WA3EKL	K2CBI
OK1DQT	K2LP	YO2IS	KS4XQ	WB3HLH	K2CYE
OK2BQU	K2TK		LA2GV	WC4H	K3TZV
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RU3OW	K8BHZ	D44BC	NE1F	100	K8CS
SM3CBR	KJ6NZ	DH2FW	NX2X	9M6YBG	K8LE
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SM7BHH	KW4BY	DL1KS	OE3WQB	AA4AK	KB0EL
UA3PFN	KY6R	DL3ANK	OH3TY	AB4VV	KC0V
US2WU	LA3ANA	DL5JS	OK1PGF	AC4VM	KC4D
UT2AB	N5RZ	DM3ML	OK2BOB	AI2S	KC5LT
VA2ZO	NZ3M	EA1WX	OK3EY	DJ6OI	KD8BZY
VA3IC	OH2EA	EU1TT	OK4MM	DL1TPY	KP4N
VE3EDY	OK1DTN	G3ZFC	ON4LG	DL1TRK	KQ5M
VE3MFA	OK1JDX	G4FJK	PA4WM	DL9GTB	LA8W
VE3VV	OK3CSQ	GM3WTA	RA3AH	DU7ET	LU5OM
W0QC	PA7TWO	HB9NL	RA4P	EA1CP	LU5YF
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W5VU	S59DJK	JA7SFD	SM7NDX	FM5GU	N1MD
W6SZN	SM6WET	JF1RPZ	SP7JLH	G0VXE	N2SG
YO7APA	SP5MXZ	JH3HGH	SV1PL	G3OIL	N2XQM

N3AF	W1YRC
N4CRI	W2CCC
N4ZR	W3BBO
N7DED	W4HHN
N7TK	W4MAY
N8IL	W4OEP
N8NB	W4OV
N8OQ	W5BK
N9ADG	W7DT
NA6O	W7JET
NB3R	W8CNL
NG7A	W8FN
NJ3I	W8GDQ
NN4SS	WB4SON
OE5JDL	WU2M
OK1DXD	YB1TJ
OK2PAZ	YL2SM
ON4ANN	YO9FLD
ON7EH	ZP9MCE
ON7GB	ZS2DL
ON9CC	
OZ1ZD	
PA0INA	
PA7RA	
R3PJN	
R9JX	
RA3SD	
RA4LW	
RA6XB	
RC2A	
RN1A	
RT5A	
RU3GF	
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S59SV	
SV1VJ	
SV2DSJ	
TI5CDA	
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UA4PAY	
UA6CEY	
UN6P	
UR4CW	
UR4LRG	
UR8IDX	
VE1RGB	
VE3OAT	
VE7JKZ	
VP2VA	
VR2PX	
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