

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 07 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 OE1WEU 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		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	323 SP5EWY	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	322 UX0UN W3UR	312 OH1MA S54E	306 EA6SX K4CIA SM0AJU WT3Q	300 G3KMA I2ZFD JA4DND JA4LXY PA3FQA SM3EVR VA3EF	295 K3UA SV8CS
333 R7LV	321 WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 CT1EEB JA7NI K4ZW N4IS NN4T		294 DL1AMQ JH2FXK
332 UR0MC	320 K8MFO SM4HCM W8UVZ				
331 K5UR LZ2DF	319 N0XA SM4CAN				
330 AA1K HA0DU OH1XX R4GM UT7QF	318 4X4DK UT5UGR W9ZR				
329 K3UL UA4HBW					

LA5HE RJ3AA WD5COV	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	K1CP S59Z W4TO	SP6AEG UW2ZM	267 LU8DPM RZ3DX	260 EA5BM K1LT K4DY
293 JH4UYB N0TB S58T	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	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	285 G4CCZ UR5WA	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	284 K5XI SP3DV	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	264 IK2YCW K7ZV	257 K1GUN N8TR W9YSX
290 UA3AKO	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	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	282 DL1YD I0WDX K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	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	281 DF2PY HB9BIN JA2PJC	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
			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 K9NW 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 UT9FJ 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	212 AA9A DL9GFB F6DAY K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ	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			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 NK1K RX3APM W8HB
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	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 NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	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 N4QS N7FU	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK W2IRT W5TCX	196 4Z4DX
217 DM5EE JH1IFS K5PC ON6YH UA3AGW		208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT			

AA4HP	UA0CA	AB4IQ	JF1NZW	179	SM5FUG
IK4PLW	W9MU	CT1FMX	K4HGX	CT1FPQ	W4BP
JA3RAR	WA2VYA	JA1KQX	K5KLA	IT9ELD	W4GD
JA4PXC		KB0EO	KB4ET	IW0SAF	YO7NE
K8PO	192	KB1EFS	S57AC	JA9NLE	
KP2A	9A2NA	KE9ET	US8UA	JR7BDQ	175
ND0N	JA7JWF	KL0S	W2YJ	K0TT	JA1CHN
RA9CMO	JH1RFR	N8LJ		K8WK	JS3CTQ
RZ4FO	K3FN	RM0F	183	N2PK	K4DLI
W2FCR	K4FJ	W6SR	IT9INO	OK1MG	K5GKC
W4UM	K5XX	W8JV	K4CN	S57UN	LA5LJA
	K7GM	WA3C	K8RRT	SM4DDE	N7IR
195	K9EU	WA6YEE	K8VC	SV3FUP	N7XR
EA3JL	KF7PG		N9MB	W8KEN	PE1L
EA5RM	N4DB	187	NN2L		SP1MGM
G3ZEM	OH2IS	AJ1H	ON6SAS	178	TF3SG
JA0EOK	W3UA	K0SR	W2FP	4Z5CX	VE3FF
JA1EOD	W3YQ	K6SRZ	W8NW	EA3CJ	W8HC
JH1QAX	W8LGJ	KN5O		JA4MRL	WX0V
JN7FAH		LA0FA	182	K2UR	
K3PA	191	N2NS	DJ9ON	NE0U	174
K7SO	CT3MD	OK1CZ	DK3UA	SM7DLK	4Z5MU
K9RT	JA1ANR	SM0NJO	HK3W	SV1JG	JA0GJJ
KF8UN	K0JGH	W7AWA	JA1SHE	W6NWS	JA1PPW
N1SV	K8FC		JA3ENN	W7MEM	JA2XW
W5ZG	K9LA	186	N3OC	ZS1LS	JA7MOL
W9OP	NE1B	9A8A	UR3EO		JF7DZA
	RK2FWA	IK2QPR		177	JK1OPL
194		JA8DNV	181	9H1SP	JR6PGB
K4KDX	190	K0BJ	DK3WW	AE5E	K1KI
K9JF	IZ8XQC	K7LAY	JA2BDR	CT1GFK	K2KA
KB9LIE	JA1DUH	W1YM	JN4MMO	IK4ADE	K3AJ
LA7AFA	JA1MCU	YL2TW	K2EP	K3WC	K4TR
SM7GIB	K0BBC		LZ2ZG	K4RG	K4WS
W2LO	K2TE	185	VE3OSZ	K9NU	N1EN
W4FC	K9KU	AB6QM	W9AJ	SM6DHU	OE1WHC
WD8JJA	KM1D	CT1EAV		W2OR	RN7F
WN6W	N4XU	EA6BF	180	W5LT	UA3LNM
	N5GH	G3KWK	DM2DXA	W7FI	W8UV
193	SP2LNW	IK3SWB	DM3VL	WB7B	W8VVG
CT1IUA	VE7VV	JA2LCP	EA8JF		WT8C
DF2GH	WE9R	K5ZD	JE2URF	176	
DK1FW		LA3WAA	K6SSS	EU1AB	173
DL5ZB	189	N4TJ	K7BG	I6FLD	5B4ALJ
DL6ZXG	9A2F	N5UR	LA9AJA	JA0DET	I1JQJ
EA3WD	EA8PP	OE2BZL	N1RR	JA5IU	JA9TWN
HA5BSW	FM5CD	SP3FAR	N4AH	JA6BJV	JG0CQK
JA1XEC	JA0VSH	SV1DPI	ON5FP	JA8KSF	K1NTR
K4ODL	SP7HOV	UA9CBO	UT2UB	JL1SAM	K4XR
N5LZ	UA7T		W1RM	K8MN	K9YC
N9EN		184	W7BEM	N5OK	KA1J
PA0LOU	188	HA5WA	W8TN	OK1DWC	N5FG
RN1ON	AA1ON	JA2ZL		RL3FA	PY5EW

172 EA7TV G0BLB G3NKC IZ5MOQ JA3FGJ JG3IWL K0DEQ K1BD K6FG KJ0M W3JX W4FQT WC4X	N4XX N7US UT8MM UY5AA W6RW W7YAQ WB3JFS	JA9LJS K1KA K3KY K4JLD K4PB K4WA K4ZYU RM3DA W0DJC W1RR W8ILC WA8TXT	UR4CWQ VE3CFK W7AL	W9RN WX0B	YV2IF
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	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
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 VE6WQ W1YW WA4LOX WC5N	164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG SV2AEL W4DKS W4NS* WW3S	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 DL1RK DL4SZB HB0CC JE3GRQ K2LS NE0DX NW7E SM6VR W2XI WE1P ZS6EZ
169 IK0PEA JA1ADT JE2LPC JR1IZM K1LI	166 4Z1UF DJ4SO HB9FMN IV3TDM JA1FNA	163 9A2JK DJ9HX JE2LUN K7NN K8TL OK2QA	160 AD5Q DK1WB DL1DA IK0FUX IW2FND JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC	157 AA4H AC6DD DL6MRS EA5BY G3TQZ G4GIR JA1GHH JE2DZC JH2QMT JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ	154 3V8SF GM3PPE HB9BUN JA8NFV JR3OEH K0KVR KR2Q NX8Y W1NA W5DNT WB0TEV WS7L YS1RR
					153 AA6AA AJ9C DF2RG DL3ZA G3TJW

HL2CFY	W7CT	G4FTC	N4GG	JH0BQX	ON7DR
IZ3ENH	W7RH	JH1QDB	NA5C	JR7WFC	UN1L
JF1IRW	WA1Z	K5VWW	RT0F	K3PP	VE6SV
JR9OPJ	WA2BCK	LA6OP	SM3DTR	K4WZ	W0SEI
K7SP	WP4G	N2WB		K6EME	W4NU
K8VFX		N5XZ	144	KK1W	W7IV
N4TV	150	NE3F	CU3EQ	LA9VFA	W8LWU
N5TW	EA1AF	W5FKX	DL5CW	MM0SAJ	WO2T
N8II	IV3RAV	W9JJB	DL5KUA	N2ZN	YL2MU
R9OK	JA1SVP		E70T	N7QT	YO9FNP
SM6CLU	JA2NQG	147	EI6IZ	NA4D	
SP5CCC	K0RS	EA3GP	GM3ITN	NQ7R	139
UT5UY	K5TR	IV3VBM	HB9BYQ	NY2NY	DF7EE
WB8BPU	K7LV	JA1XQC	I5MXX	OH1JP	DJ4XA
	K8AJS	K7HP	IT9GSF	OK1DO	DL5EBE
152	KU4XO	K8UT	IV3DXW	W2OO	DL8OH
EW2A	N3QE	KM1H	IZ4GWE	W5LUA	DS1JFY
JT1CO	N9CO	N1IBM	JA3GN	W5VQ	JA1TMG
KQ4AV	OE8SPW	PC3T	JE1FQV	WA5POK	J11DCW
KS3F	SQ5EBM	W1OP	K0VSH	WB8CQV	K3ANS
N9OY	SV1CNS	W2KKZ	KJ9C		K6AM
S55ZZ	UA6YW		N1IX	141	K8GI
UA6IGI	W6DAO	146	N3KK	AC9S	K8RF
UN7LZ	WW2DX	EU4A	SM4OLL	DL5MHQ	KA8SYV
UT5AB		JA1HQG	SM5CLE	EW1BA	KU0A
VE6LB	149	JA4DHN	W4GE	HB9FMT	LA8WG
W1SKU	DL7CX	JA5XAE	W5ADD	JA1PTJ	OK1MP*
W1VT	HB9HFN	JH1GNU	W7ZI	JA2ATE	SM5CBM
W6RLL	IK4FNF	K1CA	W8RLS	JA9RRH	SV8ZC
W7AJ	JL1ARF	K5KV	WC5M	JH1HHC	W0SD
WB3CQM	K3RA	K5SM	WD5T	JL1UXH	WA8WV
	K3TN	K6NR	YO3CD	JR2LJO	
151	K4YYL	K7WP		K2RW	138
AA7G	K8ME	N7BT	143	N8OC	DK8MCT
CU2AP	K8ROX	RU0SN	DL1DUO	NJ3K	DK8YY
DK2OY	K9MK	W1IZL	DL6EN	OE6VIE	EI9FBB
EI9JF	R8TX	W1ZT	HS0ZEE	SV3FUO	F6DDR
F3SG	SM6CUK		K7CMZ	W2CG	IK8EPC
HB9SLO	UW7UA	145	K7CW	W3BW	JA3OOK
JA2VQF	W0GG	AF4HX	N2RJ	W4JVN	JF3LOP
JA6BEE	W2/CT1GIF	HI3T	N2WM	W4VIC	JH7RXU
JH1NYM	W7HPW	I0JBL	N5UW	W4WT	K1RO
JR1XIS	WB8B	IZ0RVI	N6PAT	W8GNM	K2RET
K2AX	WD5K	JE6TSP	N6PSE	W8HW	KJ6P
K2FW	WS5W	JJ3HGJ	NN4R	ZS1C	LB5WB
KD0PO	YO3DDZ	JK1AJX	W0IZ		ON6AA
N5JB		JN1BMX	W6QUV	140	OZ8X
OK1ATP	148	K1OA	WB8ZRV	9A1CAL	RW4CY
RD3A	CT1FCX	K3VAT	WD9DZV	K5WK	UN7JID
RU3A	DK2CC	K4OY		K6KLY	V51B
S54A	F5CQ	K8BL	142	KF8DX	W1GD
SP7AWG	F5LVL	KF6HI	I5HOR	N4XP	W2YE
SV9AHZ	F5PAC	N1CGP	IT9BLB	OH6NIO	W4YV

W7OM	R7LP	W2QO	R9MJ	IT9ZZO	W3FOX
137	RN3RQ	W5AJ	R9SA	JA2AHH	W3MF
EA1YO	SM3LGO		W8DCH	JA2KSP	XE1KK
GM3YOR	SM5CZK	132		JA9AA	126
HB9CQK	SP3XR	AA4NC	130	JE1LFX	DJ8WD
HB9RYZ	SV5DKL	AB9M	DF9ZW	JH4GJR	DL9FCY
IZ2FOS	W1DIG	AD6W	E73M	K0FF	F8BPN
JA3APU	W1EQ	IK3VBB	EI2JD	K3XA	G4IUF
JA4OK	W2GD	IT9RDG	G7VJR	K4JAF	IZ7EVZ
JH4JNG	W4BUW	JA2KVD	HK0HEU	K4SE	JA1XCZ
K2QMF	W4MBD	JA6CBG	JA2FBC	K6LPO	JA7KY
K8NS	W4RFZ	K6YUI	JG1DUZ	KG7CW	JH3CUL
LA9GX	W6JTI	K9ZM	J14POR	KM4NS	JJ1DWT
RA3CO	WE4S	N6HY	K2MYR	N5KM	JN1RQV
RG7G	134	OZ2RH	K3NK	OH1ZK	K2ZD
UU1JA	CT3HF	SM4BZH	K6SIK	OZ1IKY	K4JKB
W1ITU	IK4DCS	SM6BGG	K7LFY	R9SG	K4XU
W5ODD	JA7LGE	SP6M	K8BCK	S53X	N8NA
WB5JID	K1TO	VE3CRG	K9GL	S55DX	OE3SGU
136	K1ZN	W4AXL	KO8SCA	SM3GQP	OK3CQD
E72U	K3OX	W4RBO	NA4EA	SV3DCX	PA5TT
ER0FEO	KX4TT	W4WM	NO9E	US8UW	VE3CX
HB9IQB	N9MR*	W5SL	OZ2ABI	VQ9LA	VE7BV
IK8CNT	N9RS	W6DR	PY5EG	W2WC	W8MK
JH4HMG	NA5DX	W7AH	R3VA	W4IS	W8REW
K0TV	OE1TKW	W7CD	R5QA	W6RKC	W9ILY
K4ZO	PY5HOT	W9FR	R9AB	ZS1A	WB0O
K7TM	RG6G	WB3D	RU1AO	ZS6UT	WB2REM
KR6C	RX4HW	XE2S	S51NM		WD4LBR
OK1DW	SM0BYD	131	SP6JIU	127	YU1EXY
SM5OJH	UA0ACG	DK7YY	TA1CM	CT3KN	
SP2BMX	W4JKC	G3UHU	VE3DO	HK1MW	125
UT3UZ	YU1AM	HS1NGR	W2MPK	IK2SGB	9A1AD
UW8SM	133	IV3KFB	W9ZT	JA1DDH	AG1A
W2OIB	9K2NO	JA0AOO	129	JA1WLO	GW3TMP
WB7QXU	EU1U	JA2TBS	HA1RB	JA8RJE	HK4SAN
135	IZ8DFO	JH4ADK	HB9AZZ	JH3AIU	IK5DNF
5B4MF	JA7GLB	JJ1TEA	JA1NWD	JS2LHI	JA4IYL
DJ9ZB	JA9AGN	JM1FHL	JA8JO	K0RW	JA6VU
F6FXU	JR6FC	K1UU	K4TT	K3TRM	JE1TSD
IK8GYS	JR7FRW	K5VIP	K6XM	KM3T	JE6UWU
IU0HDC	K2CDJ	K9DR	LB7ZG	N1AC	JF2WXS
JA7LMZ	KS4YT	KC2LSD	N0YY	N1GC	JH1AGU
JA8BNP	KU2A	KH2L	N3KS	OE8HIK	JL1RUC
JA8JL	OE1KM	KM3V	N3RR	PA3EWP	K1HAP
K1ZE	ON4CAS	KM4H	W0YVA	SK7AX	K5KG
K4ZRJ	RA5BM	N3MK	W7QHE	SP6A	K8DV
K7FL	RV4LC	N4QWZ	W8MET	SP7ASZ	KA6BIM
K7XB	UQ2PZ	N5PHT		W0CP	KI4WCQ
NZ9R	VE3WT	N6RK	128	W0RT	LZ1XL
	W0NFL	ON4ON	AA4SC	W1OPD	N2KA
		R0SR	DM2RM	W3BG	N3EN

N4JT	N4DWK	N6HC	W6RFL	K8LN	UB3A
N9RD	N6MZ	SV1AHX	W7RN	K8WVA	UR9IDX
ND5S	N9JV	UQ1GWW	WT4Q	KD2T	US1CT
NW6S	N9LQ	UT4EO	ZL4AS	KD6UO	VE3YF
OE1AZS	NA2P	UU2JQ		KG8CW	W4ZRZ
RA0BA	NA9RB	VA3AYA	119	KV4AA	W6SL
UU7JM	S50B	W0QQ	AA3AZ	LZ2HM	W8ZR
VE3UTT	UA3DK	W2GG	AA4DD	N2MM	WA2USA
W5DAW	UR9QQ	W3RJW	AE3T	N4DJ	
W8LMG	UT3QU	W6XI	AJ4A	PY2PA	116
W9CG*	W1AO	W9XX	DK3GG	RN3TT	AJ4F
WV4TN	W4NF	W9YE	DL9OBY	SV9COL	DL7URH
YO2RR	W8NJR	WA1PMA	EW4M	TA2RC	EA5BRE
	WB8K	WY1G	G4DJJ	VK4CAG	HA7PF
124	XE1H	XE1VIC	HB9AAQ	W1KSZ	IK0EIE
AA7XT			HB9BCI	W4DAO	IK2OHG
J11DHY	122	120	I2TZK	W4NJ	IT9TQH
KD4POJ	BA4RF	9A5F	I4MKN	W5JMW	IV3HYD
NA2U	G3NDC	AA5JF	IU0LFQ	W9FI	JA1WTI
PA0TCA	JA1MRM	AC9EM	JA3AZD	WX3P	JH3GCN
UA0BA	K1BZ	AL7TC	JA4XGC	YO4AUL	K1DC
VA7CRZ	K1ESE	DL2VWR	JE2JMV		K1RI
VE1DUN	K1YT	FG5FR	JH6CDI	117	K9FN
W2JU	K2MP	HB9BLQ	K3FRK	9Y4VU	KT1V
W2RIJ	K7ZA	IZ0LKV	K5UZ	AA8CH	KV1J
W3FM	KR0P	IZ5NFD	K7EG	AE0P	NA9Q
W6CYX	LA7WCA	JA4EPE	K8KWT	BH4IGO	OZ1LCG
	LA8PT	JR3UIC	K9SG	DL1DWT	PA0JSE
123	N3NR	JR6LLN	N0KV	G3PLP	RV3ID
AB1OC	N9AW	K2BA	N9UA	IT9AAI	TZ4AM
AC4TO	NN7X	K2HK	NT2A	IT9DAA	UA4PCM
DL7JRD	OZ3Y	K3QIA	NY7T	JA1HQT	W1ENE
F4GTB	RD4A	K5JC	OH5NG	JA4FM	W1WEF
G4WFQ	UU4JMG	K6FW	OK1DT	JA5FDJ	W7GG
G5LP	VE6AX	KA8ZPE	R6FFB	JA7GYP	W7OEV
HB0WR	W2TB	N4BAF	SV1ACK	JA7IC	W8LRO
IK2CHZ	WA3I	N4LR	W4HZ	JM3GXU	WQ5L
IK3XJP	WA7BNG	N4TB	W8FIB	JR2UBS	
JA0CRG		N4UFP	WC2K	K2BB	115
JA1SJV	121	N8PW	WP3R	K3NF	C6AGU
JA3MHA	AA6RR	OE3EVA	XE1RCS	K6PJ	CU2CE
JA6WJL	DF1DB	OZ2A		K8OOK	DL9GOA
J14WAO	DK1EI	PZ5RA	118	K8QM	G4XEE
JK1EXO	DK6CQ	RL3BZ	5T5PA	N2BJ	G8BCG
JR1EBE	EI2GLB	SP7ITB	AB2E	N4IR	G8DX
K2PK	HB9DHG	SV1FKZ	DL5OCE	N6MB	HA5UK
K3XO	JA2HYD	SV1IW	JA4FHE	N8AA	HK3PJ
K4ZIN	KD8RQE	UR5IKN	J18DGO	N8XI	IW0HEX
K5GH	KG9Z	US0YA	JN7DOS	NY4G	IZ7JVR
K7UT	N0OK	W0RX	K3WGR	OZ5HP	JA2KNW
K9CS	N1JP	W2YR	K4CNW	SM7BIC	JA3NHL
KV4T	N3ND	W3OA	K5XM	SP8HKT	JG3LGD
N2ED	N4TL	W4PRO	K7PI	UA6J	JH1RFM

K0GD	WA1FCN	XE1RBV	ZP6CW	110	EU4T
K0SD	WA4CEM	ZL1BYZ		BA4MY	F8EZE
K4CMS	WA8MCD		111	DL1VDL	G3SVD
K4GHS	WA9YYY	112	9K2OD	EA5BYP	JA2CXF
K4GK	WN9O	A92IO	AA4U	F5BAR	K2ONP
K8YTO	XE3ARV	DJ1RL	AF4OX	G3LNS	K4RDU
LY4T		DK5RL	CU3AN	G8AJM	K5FZ
N0IRM	113	DL5CL	DG7RO	HC1BI	K5KA
N4OA	9A1A	EA1JO	DK2WH	I2BBJ	K5KPE
N5BO	DJ5DT	EI8IU	DK6ED	IK5RUN	K6MW
N8KOL	DJ9RR	EW1DO	DL1HRN	IK8UHA	KE1F
PA3AXU	DL8CM	G3XGC	EV1R	IZ0CKJ	KZ5DX
RZ6MJ	DL8DYL	HB9CEX	F6ECI	J68HZ	N1BZ
UA1ANA	G4AFJ	HB9CRV	G4DBN	JA7EPO	N2WLG
UA1CGS	HB9EFK	HB9G	HL3GOB	JE2UFF	N7TY
UA6XT	JA0GCI	IK2ANI	JA1AUD	JH1VHU	N8NN
UN6T	JA1OVD	IU8FRE	JA1FGB	K2BLA	ND4V
W4UCK	JA4ITW	IZ4DIW	JA1NCZ	K3JRR	NN4RR
YL2CZ	JH1ORA	JA1SXR	JE2EHP	K3PH	NU4I
	K0TPP	JA4BXL	JE8TGI	K4WW	NX7U
114	K2HAT	JA7BXS	JF2WGN	K6MI	PY5CC
AB4GE	K8SL	JR7TEQ	K0FLY	K6VKO	RW4UU
BA4DW	K9GWH	K0JPL	K5WAF	KB4MRX	RW9QA
BA7IO	KA4RRU	K1EDG	K7ORK	KC2STA	RX3AGD
CT3FN	KH6DX	K1EO	K9AJ	LZ1PM	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
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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	IZ0BTV
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

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K6UT	K3SW	JE6IGP	DL4ZAB	WQ5W	NJ9C
K8OM	K3YBN	JG3HBO	DL6XK	YU1NR	NN3Q
KM8AM	K4MS	JG5RVQ	DO1CTL		PA0GMM
KN4JX	K4SAF	JH2KKW	ES1GO	104	RA1QX
LU2DKT	K8LBT	JH6PFY	G3YUV	9M2AX	RU3UR
N4MEC	K8ZR	JJ0NCC	HA8FW	AD1C	RZ6DX
N6RFM	KB9DAK	JR0EQQ	JA1BWA	AG4Q	RZ6LB
N9SF	KE2R	K0DEW	JA1TAA	AH0U	SM5CCE
N9TF	KZ1W	K1PX	JA4EVN	CP8HD	SM7CQY
NU4Y	N2RR	K4DSE	JA6VA	CX3CE	SO5AS
PA0ZH	N3DAP	K5AM	JA7BME	DK3BK	UA9FGJ
R5FY	N4RF	K5ZQ	JA8RRF	DL4FAP	US5CAO
R7LA	N6EE	K8JJC	JA9APM	DL7UPN	UT4EK
RX6DX	N8AGU	KD9HL	JF1RYU	E73D	UT7EC
S57J	NA5Q	KK8X	JO4CFV	EA8ZS	UX4UM
SM6AOU	OE1CP	KK9H	K1DJ	EI9E	UY0MM
UX7UN	OK2BUZ	KQ3F	K2XF	F6AJA	VE3VHB
UZ6LWZ	OK3CQR	N0JZ	K5AV	F8GB	W0YBS
W2UB	R0FA	N2CW	K7OX	G3BRD	W1QA
W3NRJ	RN4AA	N2SQW	K7PO	HB9CIP	W3DRY
W4ZYT	RV6ARZ	N3XM	K9RO	HK3O	W3TMZ
W7ACD	SP3BQD	N8AID	KI5T	IK0DWN	W5CWQ
WA2ALY	SP6AXW	NA5Z	KT2E	JA1SDV	W5GJ
WA8MOA	US5CB	NI5M	KX2A	JA2FGL	W5ZO
WB8BZK	VE3OI	NS3L	LZ1JZ	JF1EGO	W6PH
WC1M	VK3NX	OE5CSP	N2DPF	JF6WTY	W7DR
WC6DX	W3KB	OH2OT	N4JI	JK1BSM	WA0I
WD9EQU	W4MAY	OK1AYU	N4NW	JO1WXO	WA9ETW
WW1WW	W6TDX	OK2BVG	N4PL	K0WK	YC0LOW
	W8IW	S57AL	N4SC	K1BG	YO5ODE
107	W8VK	UR3CRO	N4VN	K3FM	
4Z5LA	W9CPV	UT7UU	N6NU	K4KEW	103
DJ8ES	WA0RVK	UU5WW	N7DR	K4MF	AG1I
DK3FB	WB6CJT	V73AZ	ON7PQ	K4VIG	AI3Q
DL1QQ	WB8ART	VQ9SS	OZ4AAL	K5HK	DJ1MM
DL2CHN	WS1L	W1CWU	PF7M	K6UM	DJ3GZ
DL5XU	XE2YWH	W2EQ	PJ2/K8ND	K7TJR	DJ7PI
DO4DXA	YL1XZ	W2LE	PY2DS	K9EA	DL2HX
EA5AT	ZL3RJ	W2NO	R6YY	KA2BZS	DL8YRM
EA7QW		W3ICM	RA6AF	KH6KG/W5	DM5TI
FG8OJ	106	W4IR	RD4WM	KI0KB	DS3HWS
G4AKY	AA4FL	W5JAY	SP5JXK	KW0A	EA7SG
G4RGK	AE2U	W8OP	UA6LCN	LZ2XF	EU6MM
HI8R	DJ6OZ	WA4MYO	UR1RWX	N3ER	EW3LB
I5IHE	DL2NOM	WA6TLA	UR2RGN	N3TR	G3BDQ
IT9XTP	DL3JSW	YL2GN	VE1PZ	N4GU	G4AAW
JA5EY	DL6JZ	YU3EF	VR2MY	N4TTE	G4PUQ
JA6OXT	EA3CCN		VY2ZM	N6PF	G4VGO
JA8JTH	HA8DZ	105	W1LE	N6WM	I0OSI
JH9DRL	IK0ZIO	DF2PI	W1LY	N8MZ	JA1JAT
JR1BAS	IW3GJF	DF8AA	W4OWY	N9DR	JA2GQO
K0MD	JA1VLK	DJ3XD	W5KI	N9PGG	JA2OLJ

JA3FHL	102	T77V	JH3PRR	UA0FDX	G4CGG
JA8EJO	A6/RV6LNA	UA1AIR	J13KDH	UG6GAW	GM3ZSP
JE1SYN	CT4BD	UA1CKC	K0LW	UR7CQ	I2VGW
JH1DGQ	DK3QM	UA6HOF	K1YR	UT1CC	IK0HFO
JM2RUV	DL3DXX	UA9MR	K2BX	UT4IS	IK4MSV
K0EOO	DL3NCR	UA9UCO	K2TER	UT7HA	IS0/YO3RA
K2UVV	DL4CW	UW7CN	K3SEW	VE2OJ	IW0BYL
K4LQ	DL4KUG	VE2FYR	K4NNX	VE3XB	IW0HQE
K5JUC	DL5RDI	W0JMP	K5DNL	VK2GR	JA1BRK
K7BTW	EA8AKN	W1MRH	K6AAW	W1AW	JA1CPU
K8CCV	EI4DQ	W1PV	K6XJ	W1FC	JA1ILA
K9MUG	EI6GF	W2LW	K7AR	W1GF	JA4FSH
K9XJ	ES5RW	W2TX	K7IA	W2SF	JA5DQH
KE1IU	F6BWO	W3EKT	K8BN	W3WH	JA9CGW
KJ4R	FM5WD	W4ALF	K9JU	W4BUE	JF3DRI
KJ7WY	HB9AHL	W5TO	K9PG	W4PM	JH7BKN
KM9E	I8LWL	W7IUU	KC4PX	W5RF	JS6TWW
LX1DA	IT9SFT	WA0IDK	KD3UY	W7AV	K0LB
N0RU	IZ4MJP	WA1S	KE1VT	W7CB	K0XM
N1HOQ	JA0HXV	WD8DSB	KE4S	W8GB	K1NA
N9BBQ	JA8OW	WS4Y	KF7NN	W9MAF	K1NZ
NU1T	K0YN	WW5G	KN6J	W9ZCL	K2CBI
OH3GD	K1PTF	YO2CMI	KQ1F	WA3EKL	K2CYE
OH4UI	K2LP	YO2IS	KS4XQ	WB3HLH	K3TZV
OK1DQT	K2TK	101	LA2GV	WC4H	K4FT
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OZ7JZ	K4KAY	AA4NU	N0STL	WV9L	K4UQC
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RK3QY	K7UA	D44BC	N9JCS	100	K8CS
RU3OW	K8BHZ	DH2FW	NE1F	9M6YBG	K8LE
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SM6EHY	KN4KL	DL1KS	OA4TT	AA4AK	KB0EL
SM7BHH	KW4BY	DL3ANK	OE3WQB	AB4VV	KC0V
UA3PFN	KY6R	DL5JS	OH3TY	AC4VM	KC4D
US2WU	LA3ANA	DM3ML	OK1PGF	AI2S	KC5LT
UT2AB	N5RZ	EA1WX	OK2BOB	DJ6OI	KD8BZY
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VA3IC	OH2EA	G3ZFC	OK4MM	DL1TRK	KQ5M
VE3EDY	OK1DTN	G4FJK	ON4LG	DL9GTB	LA8W
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VE3VV	OK3CSQ	HB9NL	RA3AH	EA1CP	LU5YF
W0QC	PA7TWO	IV3GOW	RA4P	EA2AAZ	LZ3YY
W0UVC	PV8ABC	IV3KCB	RA4SD	EA3ALD	MM0SJH
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YO7APA	SP5MXZ		SV1PL		N3AF

N4CRI	W2CCC
N4ZR	W3BBO
N7DED	W4HHN
N7TK	W4OEP
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	
R3PJN	
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	
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W0MU	
W1AN	
W1YRC	