

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 20 Jan 2026, 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	N4IS NN4T SM3GSK UA6A	VA3EF
341 EA8AK	325 EY8MM K9UWA UA2FF	316 IK4WMA K5RK N1DG OH3SR W2VO	310 I4AVG I4EWH RA3CQ SM5BFJ SM6CVX W5IZ	304 DJ0MDR GM3GAV	299 K4TEA N1BUG SV1FJA UX1UA W7UT
340 K1ZM	324 K2TQC K4PI OH2BO S50A W1NG	315 PE5T S50U W1JR	309 IK4MGP	303 F5LGE G0JHC GM3YTS JA1BK JA4LKB K1UO RU3DX	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ RA3DX SM5CEU
339 W4DR W4ZV	323 SP5EWY	314 IK4GME NX4D OG2M OK3GU OZ1LO RW2A UA4CR	308 IV3PRK K4SV K8GG N4RJ UT3UA	302 SV8JE	297 DK5PR N4CC OM2XW W0FLS
335 OH2BU R7LV	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	307 DJ7MI OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX PA3FQA SM3EVR SP3EPK	296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ
334 N4WW	321 WB9Z	312 OH1MA S54E	306 DL4MCF EA6SX K4CIA SM0AJU WT3Q YU1FW	300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU SV8CS	295 K3UA WD5COV
332 UR0MC	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 CT1EEB JA7NI K4ZW		294 DL1AMQ JH2FXK
331 K5UR LZ2DF UT7QF	319 N0XA SM4CAN UT5UGR W9ZR				
330 AA1K HA0DU OH1XX R4GM	318 4X4DK				
329 K3UL UA4HBW					

JR2KDN LA5HE N0TB RJ3AA	WK3N	281 DF2PY JA2PJC K1CP S59Z W4TO	I2AOX IK4CIE K2UO K4IQJ KF2O SP6AEG UW2ZM	K8PT RA3XDX W1MK	K5KC N6SS NO8D SP1S UX0FF
293 IK1GPG JH4UYB S58T SM3NRY	287 DL1RWN G3XTT N2QT RK4FD UR5WA VA3DX W4PK	280 EA6NB KG4W N9IW RV3LO SP6HEQ YO3APJ	274 CT1EKY G3TXF JA8ISU W6UB	267 G4OBK LU8DPM RW0LT RZ3DX SP5DIR W1GL	260 I1FQH K1LT K4DY UT9FJ
292 G4BWP IZ0AEG OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W5ZN W8TOP	286 DJ2YA K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 F6AOJ IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	266 K1QX NR1R R3LA W8TE W8XD	259 DF4PL G3ZSS IV3ODE K8FL R9FM
291 9A7V I5NPH KD9SV R7NW SM6CMU SP3E UA3LAR UT7UJ	285 G4CCZ K5XI	278 DK0EE F6BEE HB9AMO JA3FYC K5DU RU3FM SP9DWT	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	265 AA4V* AA6YQ AA7A EA5BM EI7BA K4XP YO5BRZ	258 KW9A N2NL N8TR RN3CT VE3QAA
290 UA3AKO UT1UY	284 IK6DLK NJ6P SP3DV UX1AA	277 AA4MM DJ9VA DK5WL IK5BAF K1ZZ OH3BU ON7TK	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV SP9JZU	264 IK2YCW IK5HHA K7ZV N3NT R5AJ	257 AA1QD JH1GZE K1GUN K9NW N4II W9YSX
289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX US5WE	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 F6GCP G3LZQ N8RR OK1AWZ VE2Tzt	270 AA1V KD5M LA3MHA OE5KE SV8BHN	263 IZ1ANU K9OW KX4R LA5IIA W2SM W3AP	256 9A5CY JA5BZL K5VRX KY7M ON4AOI SV8GFW W1TSP W3DF
288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY W0JX	282 DL1YD HB9BIN I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	275 9A1CCY F5NBU	269 K6ND W1ZC	262 G0DQS KR9U N5KD W1YY	255 K4QL N2MF VK4MA W3KX W5OZI
			268 DL5DSM G3WPH	261 9A4T DL9YX K2EK	254 I1EIS

N0AT OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R OE2LCM R7IA WA7NS WB3AVN YO9HP	OK1CF	237 DL7MAE IW1ARB OM4EX WA7NB	K2AZ K4XL NI6T UA3AP	226 9A8A DL5WW JA6BZI JF2KOZ JR6EZE K9FD* ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT
253 5B4AGN IV3YYK JQ3DUE K5ESW R5DT S58Q UA1OMS W0YG	246 DJ2TI F2JD IK0MHR JF8QNF N6TR TF4M UR5EDX W2TQC W5XZ	JA0DAI JA1SYY JA3EMU K5ZK KA9CFD N4XM N5TY* N7RT OK1DWJ SP5GRM UA3TT VE1YX VE3NH	236 AB4I K1JO K5EK K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	231 4X4NJ HA9RE N6AR N7NG ON4ACG W9IXX	K9FD* ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT
252 EA1DR JA2VPO JF2MBF JG3QZN JR3IIR PA4VHF S52F W3UM	245 DL4CF JA1GV JA7QVI N9US RL9F RY7G W9XY	240 EA6ET JA5MHD JR3GWZ K0JUH K0KT K1DG K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JA0FSB JH4ADV K3SWZ N6DX R7DX VE3XN	230 JA1CMD JA2NDQ KD0Q N8JV SM3NXS W4GF W4VQ	225 A45XR JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP8NR VA5DX W7KW
251 DJ7RD DL9RT JH0BBE PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IZ8FFA JA1HGY ON4IQ SV1RK	239 AJ6T IK0YUT K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF UW5ZM W3LL	234 IK6FWJ JG1ULJ K1AR K4UTE KF0QR PY1BVY S51DI	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	224 IZ8FWN MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ
250 AB3CV HB9RG IK0XBX NQ1K OZ8BZ SV8CKM	243 DK2JX DK3DG JA0CRI ON4ATW S57A W9RPM WX4G	238 AC4G DL8WN IK0XEZ IZ1LBG NI0G RA0FF VO1HP	233 DF6PB DJ5FI JH1HGC K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO	228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JA2WYN JH2TPI KV7K N1LN RT6T SV2JAO UR5FEO ZS4TX
249 AI9L K9RX SP5DRH	242 EA4KD G8VR KG7H		232 EA1N FK8CP JA8EAT	227 DL7HU ES1RA I3BUI IK0HBN JA1UQP JA9CHI K1FK K3NW N6JV W9BF	222 IV3JVJ

K3SV K4MWB K6EID K8FH K8ZTT N4PQX N5AW N5JR N8PR N9BX SM0CCM	K5UO UT4MF W5PJR 217 DM5EE JH1IFS K5PC ON6YH UA3AGW 216 F6DAY JA9PPC K3JGJ N5UL OE1ZL RA1QD RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG 215 JH0INP N7JW W0UO W2LK W6YI 214 DL7BA HL3IUA IZ8VYU JA2IVK JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL WP4U 213 DF2IS EI3IO HA1RW JF6DSZ K1ST NA2M*	RU4SO W0LYI W1FJ W2WG W3YY WS9V 212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I SM5CZQ W1ECT WA5VGI WB9CIF 211 EA1RT IK4DRR JA4DEN K3WA RU3SD 210 I8SAT JA7MSQ JJ2LPV RV0AR UW7LL W7JW 209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA K5RT KG9N N9LB VE1DX W0ZR W7KNT W9OO	208 G3NSM I4LCK JA9FPI JF4VZT K2FU LA7HJA N5ORT RU3ZX RX3APM UN5J UY1HY W6PJ W9EWZ 207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW PY2XB W0LS 206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC N8DJX SM6BZV US0KW VE3BW 205 F6EXV I4KDJ JA3AAW K9YY KA9FOX W8UN WB8ZRL 204 9A2NA DJ5AV EA5KA F4BKV IK7NXM	JA9NFO K4JJW K9US KK4SI LX2A N4NX N4QS N7FU SM2OAN UA0SR US6EX W2HUV WD8PKF WF4U WI8A 203 AA5AM JA2XYO JE1PNX K4XO K9MMS KK2I NK1K OH1TV PA0A R6AF W7DO W8GC WA2HZO 202 DK2LO DL1MGB DL2KQ DL9DRA HB9DDO JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S UA9FAR W1NT ZL3IX	201 AG4W CU2DX DL1EJA JF1PUW JO7WXN K1GG K3HP W0MHK W2IRT W5TCX 200 G0OIL IK0FVC JA1GTF JH2RMU K1GE LA5YJ RW4NN RW7M UY0ZG W0DD W3GG 199 G0BNR JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA 198 DL1ROJ G3UJE G4BUE I5KKW IT9JNR JA4PXC W8HB 197 G3SNN JA0EOK JE1BMJ JH1QAX JH2UVL K8NVR LA7AFA OE4PWW OE5FIN
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ON4CD	HA5BSW	AA1ON	SV1DPI	K6SSS	176
RZ6FA	K4ODL	CT1FMX	UA9CBO	K7BG	EU1AB
UA0SC	N5LZ	EA8PP		LA9AJA	G0BLB
UT5EL	N9EN	FM5CD	184	N1RR	I6FLD
W0FS	PA0LOU	K4CN	HA5WA	N4AH	JA0DET
W4UM	RN1ON	SM0NJO	IW0SAF	ON5FP	JA5IU
XE2X	UA0CA	SP7HOV	JF1NZW	W1RM	JA6BJV
	W9MU	UA7T	K4HGX	W2OR	JA8KSF
196	WA2VYA	WA3C	K5KLA	W7BEM	K8MN
4Z4DX	WE9R		KB4ET	W8TN	N5OK
AA4HP		188	N9RC		RL3FA
IK4PLW	192	AB4IQ	S57AC	179	SM5FUG
JA3RAR	JA7JWF	JA1KQX	US8UA	IT9ELD	SP1MGM
K8PO	JH1RFR	JA8DNV	UT2UB	JA9NLE	W4BP
KP2A	K3FN	KB0EO	W2YJ	K0TT	W4GD
ND0N	K4FJ	KE9ET		K8WK	YO7NE
RA9CMO	K5XX	KL0S	183	N2PK	
RZ4FO	K7GM	N8LJ	CT1FPQ	OK1MG	175
W2FCR	K9EU	RM0F	HK3W	S57UN	JA1CHN
	KF7PG	W1YM	IT9INO	SM4DDE	JG0CQK
195	LA0FA	W6SR	K8RRT	SV3FUP	JH2QMT
EA3JL	N4DB	W8JV	K8VC	W8KEN	JS3CTQ
EA5RM	NE1B	WA6YEE	N9MB		K4DLI
G3ZEM	W3UA		NN2L	178	LA5LJA
JA1EOD	W3YQ	187	ON6SAS	4Z5CX	N7IR
JN7FAH	W8LGJ	AJ1H	W2FP	EA3CJ	PE1L
K3PA		K0SR	W8NW	JA4MRL	TF3SG
K7SO	191	K6SRZ		JL1SAM	VE3FF
K9RT	CT3MD	KN5O	182	K2UR	W8HC
KF8UN	JA1ANR	N2NS	DJ9ON	N7XR	WA9PIE
N1SV	K0BBC	OK1CZ	DK3UA	NE0U	WX0V
W4FC	K0JGH	SP3FAR	JA1SHE	SM7DLK	
W5ZG	K8FC	W7AWA	JA3ENN	SV1JG	174
W9OP	K9LA		JR7BDQ	W6NWS	JA0GJJ
WN6W	RK2FWA	186	N3OC	W7MEM	JA1PPW
		IK2QPR	UR3EO	ZS1LS	JA2XW
194	190	JA2LCP			JA7MOL
JA1XEC	IZ8XQC	JA2ZL	181	177	JF7DZA
K4KDX	JA0VSH	K0BJ	DK3WW	9H1SP	JK1OPL
K9JF	JA1DUH	K7LAY	JA2BDR	AE5E	JR6PGB
KB9LIE	JA1MCU	YL2TW	JA9TWN	CT1GFK	K1KI
OH2IS	K2TE		JN4MMO	K3WC	K2KA
SM7GIB	K9KU	185	K2EP	K4RG	K3AJ
W2LO	KB1EFS	AB6QM	LZ2ZG	K5GKC	K4TR
WD8JJA	KM1D	CT1EAV	VE3OSZ	K9NU	K4WS
	N4XU	EA6BF		OK1DWC	N1EN
193	N5GH	G3KWK	180	PY5EW	OE1WHC
CT1IUA	SP2LNW	IK3SWB	4Z5MU	SM6DHU	RN7F
DF2GH	VE7VV	K5ZD	DM2DXA	W5LT	UA3LNM
DK1FW	W9AJ	LA3WAA	DM3VL	W7FI	W8UV
DL5ZB		N4TJ	EA8JF	WB7B	W8VVG
DL6ZXG	189	N5UR	IK4ADE		WT8C
EA3WD	9A2F	OE2BZL	JE2URF		

173 5B4ALJ I1JQJ JE2LPC JE3ENP K1NTR K4XR K9YC KA1J N5FG RC9F UN9L VE6WQ W3IP	N4PY SP3GTS SV3KH W9EVI	PA3C RA1AOB RN9N S51EC W1YW WA4LOX WB0TEV WC5N	WP4G WW3S	DL1DA EA3GP IW2FND JA2EPW JE2DZC JE2OVG JF2XGF JR7MAZ K3MSB K3RA NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B	W4QN
172 EA7TV G3NKC HB9FMN IZ5MOQ JA3FGJ JG3IWL K0DEQ K1BD K6FG KJ0M W3JX W4FQT WC4X	169 JA1ADT JR1IZM K1LI N4XX N7US RN3OG UT8MM UY5AA W6RW W7YAQ WB3JFS	166 4Z1UF DJ4SO IV3TDM JA1FNA JA9LJS K1KA K3KY K4JLD K4PB K4WA K4ZYU NY0V RM3DA W0DJC W1RR W8ILC WA8TXT	163 9A2JK DJ9HX JE2LUN JH4CPC K7NN K8TL OK2QA RW3RN UR4CWQ VE3CFK W7AL	159 DL6MRS JA4FKX JA9APS JH6QFJ JL1RUC K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT	157 AA4H AC6DD DL4MM EA5BY G3TQZ HB0CC JA1GHH JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ WS7L YV2IF
171 AA9D DL6KR G0EHO HA9PP JA6HUG JR1TNE K1NU KI5BLU N0RN N4OGW N7RO RA3DNC SV1LK WA3AFS	168 G3MXJ HB9TKS I2ZGC IK2EGL JA6VQA JE7JDL JF2UPM K4XD K5QY K8RYU KR4F N4QQ N8BJQ PA7F SP5GH SP6EQZ SV2AEL W4SVO W6VX W8OI WA0MHJ WA5YNB	165 DL7UCX F6HDH IK0AGU JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN SM4CTT W5BN	162 4O3A 9A4W F3AT HB9BUN IZ4DPV JA6GIJ JH4ALY JR5JAQ LB6KC N8MR VE7SL W0HT W0TT W1LW W2XL W8WEJ	158 AA6AA CT1FCX DJ4PT DL1FKA G4GIR JH1TWT JI1FXS JI1NJC JR1GJP K1CA K5TT K9GA KQ4AV OZ1HX RU6M SM4EMO W0SZ W1OX W3GQ	156 AB9V FM5BH IZ8IEV JE3GRQ JO7HAM K0QC K8YSE KS1J N3RC N3UA N7WS UA3SAQ VA3LX W1YIF W4TV
170 DJ6TK IK0PEA JA6JPS JF1WPB JM1GYQ K6ZZ	167 DK5AD EC3A EI6FR IT9DSZ K6KO K8NK K9MBQ N0IJ N3BNA OH2BLD	164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH W4DKS W4NS*	161 DK2GZ DL6RAI HB9DHK IK0FUX JA1DOF K1USA K5GO K8ND LB2TB N4GN OE5RLM OH6RA VK3HJ YU2TW		155 DL1RK DL4SZB JR3OEH K2LS N2ZN NE0DX NW7E SM6VR W2XI WE1P WS5W ZS6EZ

154 3V8SF GM3PPE IZ3ENH JA8NFV K0KVR KR2Q NX8Y SV1CNS W1NA W5DNT YS1RR	WB3CQM 151 AA7G DK2OY EI9JF F3SG HB9SLO JA6BEE JH1NYM JR1XIS K2AX K2FW K8ROX N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7CT W7RH WA1Z WA2BCK	I0JBL IK4FNF JL1ARF K3TN K4YYL K7HP K8ME R8TX SM6CUK UW7UA W0GG W7HPW WB8B WD5K YO3DDZ 148 DK2CC F5CQ F5LVL F5PAC G4FTC JA9RRH JH1QDB N2WB N5XZ NE3F W5FKX 147 IV3VBM IZ0RVI JA1XQC JN1BMX K8UT KM1H N1IBM NA5C PC3T W1OP W2KKZ 146 EU4A JA1HQG JA4DHN JA5XAE JH1GNU K5KV K5SM K6NR K7WP N7BT	OH1JP RU0SN W1IZL W1ZT 145 AF4HX HI3T IT9ZZO JE6TSP JH4HMG JH7RXU JJ3HGJ JK1AJX K3VAT K4OY K8BL KF6HI KR0P N1CGP N4GG N6PSE N8OC OE6VIE RT0F SM3DTR W5ADD 144 CU3EQ DL5CW DL5KUA E70T EI6IZ GM3ITN HB9BYQ HS0ZEE I5MXX IT9GSF IV3DXW IZ4GWE JA3GN JE1FQV K0VSH KJ9C LA9GX LA9VFA N1IX N2WM N3KK SM4OLL SM5CLE W4GE	W7ZI W8RLS WC5M WD5T YO3CD 143 DL6EN HB9RYZ IK8GYS IT9BLB K7CMZ K7CW N2RJ N5UW N6PAT NN4R W0IZ W6QUV WB8CQV WB8ZRV WD9DZV 142 AB9M I5HOR JA2ATE JH0BQX JR7WFC K3PP K4WZ K6EME KK1W KM3T MM0SAJ N7QT NA4D NQ7R NY2NY OK1DO W2OO W5LUA W5VQ WA5POK 141 AC9S DL5MHQ EW1BA HB9FMT JA1PTJ JH1HHC JH4JNG	J11DCW JR2LJO K2RW NJ3K SV3FUO W2CG W3BW W4JVN W4VIC W4WT W8GNM W8HW ZS1C 140 9A1CAL JA4OK K5WK K6KLY KF8DX N4XP OH6NIO ON7DR UN1L VE6SV W0SEI W4NU W7IV W8LWU WO2T YL2MU YO9FNP 139 DF7EE DJ4XA DL5EBE DL8OH DS1JFY HB9CQK JA1TMG K2RET K3ANS K6AM K8GI K8RF KA8SYV KU0A LA8WG OK1MP* SM5CBM SV8ZC W0SD
153 AJ9C CU2AP DF2RG DL1DUO DL3ZA G3TJW HL2CFY JF1IRW JR9OPJ K7SP K8VFX KD0PO LZ1PM N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU	150 EA1AF IV3RAV JA1SVP JA2NQG JL1UXH K0RS K1OA K5TR K5VWW K7LV K8AJS KU4XO LA6OP N3QE N9CO OE8SPW ON6AA SQ5EBM UA6YW W2/CT1GIF W6DAO WW2DX 149 DL7CX HB9HFN				
152 EW2A JA2VQF JT1CO K9MK KS3F N9OY S55ZZ UA6IGI UN7LZ UT5AB VE6LB W1SKU W1VT W6RLL W7AJ W9JJB					

WA8WV	UW8SM	ON4CAS	WB3D	R9AB	W4IS
138	W2OIB	PY5HOT	XE2S	RU1AO	W6RKC
DK8MCT	WB7QXU	RG6G		S51NM	WB0O
DK8YY	135	RX4HW	131	TA1CM	ZS6UT
EI9FBB	5B4MF	SM0BYD	DK7YY	VE3DO	127
F6DDR	AG1A	UA0ACG	DL9FCY	W2MPK	AC9EM
IK8EPC	BA4RF	W4JKC	HS1NGR	W9ZT	CT3KN
JA3OOK	DJ9ZB	YU1AM	IV3KFB	129	HK1MW
JF3LOP	F6FXU	133	JA0AOO	HB9AZZ	JA1DDH
K1RO	IZ7EVZ	9K2NO	JA2TBS	JA1NWD	JA1WLO
KJ6P	JA2KVD	EU1U	JH4ADK	JA8JO	JA8RJE
LB5WB	JA7LMZ	G4XEE	JJ1TEA	JK1EXO	JA9KRO
NA5DX	JA8BNP	IK5DNF	JM1FHL	K6XM	JH3AIU
OZ8X	JA8JL	IZ8DFO	K1UU	K8DV	JN1RQV
RW4CY	K1ZE	JA6CBG	K6SIK	LB7ZG	JS2LHI
UN7JID	K4TT	JA7GLB	K9DR	N0YY	K0RW
V51B	K4ZRJ	JA9AGN	KC2LSD	N2BJ	K3TRM
W1GD	K7FL	JR6FC	KH2L	N3KS	N1AC
W2YE	K7XB	JR7FRW	KM3V	N3RR	N1GC
W4YV	NZ9R	K2CDJ	KM4H	PA3EWP	N9RD
W7OM	R3VA	KS4YT	N3MK	W0YVA	OE3SGU
	R7LP	KU2A	N4QWZ	W7QHE	OE8HIK
137	RN3RQ	OE1KM	N5PHT*	W8MET	SK7AX
EA1YO	SM3LGO	RA5BM	N6RK	W8MK	SP6A
GM3YOR	SM5CZK	RV4LC	ON4ON		SP7ASZ
IZ2FOS	SP3XR	UQ2PZ	PY5EG	128	W0CP
JA3APU	SV5DKL	VE3WT	R0SR	AA4SC	W0RT
K2QMF	UB3A	W0NFL	R9MJ	DM2RM	W1OPD
K8NS	W1DIG	W2QO	R9SA	IK2SGB	W3BG
RA3CO	W1EQ	W5AJ	W8DCH	JA1XCZ	W3FOX
RG7G	W2GD	132	W8KA	JA2AHH	W3MF
UU1JA	W4BUW	AA4NC	ZS1A	JA2KSP	W8LMG
W1ITU	W4MBD	AD6W	130	JA5FDJ	XE1KK
W5ODD	W4RFZ	G3UHU	DF9ZW	JA9AA	126
WB5JID	W6DR	IK3VBB	E73M	JE1LFX	DJ8WD
	W6JTI	IT9RDG	EI2JD	JH4GJR	F8BPN
136	WE4S	K6YUI	G7VJR	K0FF	G4IUF
E72U	134	K9ZM	HK0HEU	K3XA	JA7KY
ER0FEO	CT3HF	N6HY	IK3XJP	K4JAF	JH3CUL
HB9IQB	HA1RB	OZ2RH	JA2FBC	K4SE	JJ1DWT
IK8CNT	IK4DCS	SM4BZH	JG1DUZ	K6LPO	K2ZD
IU0HDC	JA7LGE	SM6BGG	JI4POR	KG7CW	K4JKB
K0TV	K1TO	SP6M	K2MYR	KM4NS	K4XU
K4ZO	K1ZN	VE3CRG	K3NK	N5KM	N8NA
K7TM	K3OX	W4AXL	K7LFY	OZ1IKY	OK3CQD
KR6C	K5VIP	W4AXL	K8BCK	R9SG	PA5TT
OK1DW	KX4TT	W4RBO	K9GL	S53X	VE3CX
SM3GQP	N9MR*	W4WM	KO8SCA	S55DX	VE7BV
SM5OJH	N9RS	W5SL	NA4EA	SV3DCX	W8REW
SP2BMX	OE1TKW	W7AH	NO9E	US8UW	W9ILY
SP6JIU	OH1ZK	W7CD	OZ2ABI	VQ9LA	WB2REM
UT3UZ		W9FR	R5QA	W2WC	

WD4LBR	WT4Q	N9AW	DL2VWR	JH6CDI	AE0P
YU1EXY		NN7X	FG5FR	K3NF	BH4IGO
125	123	OZ3Y	HB9BLQ	K5UZ	DL1DWT
9A1AD	AC4TO	RD4A	IZ0LKV	K7EG	G3PLP
GW3TMP	DL7JRD	SP9WZS	IZ5NFD	K8KWT	IT9DAA
HK4SAN	F4GTB	UU4JMG	JA4EPE	N0KV	JA1HQT
IW0HEX	G4WFQ	VE6AX	JR3UIC	N4DJ	JA4FM
JA4IYL	G5LP	VK4CAG	JR6LLN	N9UA	JA7GYP
JA6VU	HB0WR	W2TB	K2BA	NT2A	JA7IC
JE1TSD	IK2CHZ	WA3I	K2HK	NY7T	JM3GXU
JE6UWU	JA0CRG	WA7BNG	K3QIA	OH5NG	JR2UBS
JF2WXS	JA1SJV	121	K9SG	OK1DT	K2BB
JH1AGU	JA3MHA	AA6RR	KA8ZPE	R6FFB	K6PJ
JI4WAO	JA6WJL	AA8CH	N4BAF	SV1ACK	K8OOK
K1HAP	JR1EBE	DF1DB	N4LR	W4HZ	K8QM
K5KG	K2PK	DK1EI	N4TB	W8FIB	K9FN
K9GWH	K3FRK	DK6CQ	N4UFP	WC2K	N2JJ
KA6BIM	K3XO	EI2GLB	OE3EVA	XE1RCS	N4IR
KI4WCQ	K4ZIN	HB9DHG	OZ2A	118	N8AA
LZ1XL	K5GH	IT9AAI	PZ5RA	5T5PA	N8XI
N2KA	K5JC	JA2HYD	RL3BZ	AB2E	NY4G
N3EN	K6FW	KD8RQE	SP3PLD	DL5OCE	ON5UE
N4JT	K7UT	KG9Z	SP7ITB	JA4FHE	OZ5HP
ND5S	K9CS	KV4AA	SV1IW	J18DGO	SM7BIC
NW6S	KV4T	N0OK	UR5IKN	JN7DOS	SP8HKT
OE1AZS	N2ED	N1JP	US0YA	K3WGR	UA6J
RA0BA	N4DWK	N3ND	US1CT	K4CNW	UR9IDX
UU7JM	N6MZ	N4TL	VE3YF	K5XM	W3ICM
VE3UTT	N9JV	N6HC	W0RX	K7PI	W4ZRZ
W5DAW	N9LQ	N8PW	W2YR	K8LN	W6SL
W9CG*	NA2P	SV1AHX	W3OA	K8WVA	W8ZR
W9DX	NA9RB	SV1FKZ	W4PRO	KD6UO	W9HBH
WV4TN	S50B	UQ1GWW	W6RFL	KG8CW	WA2USA
YO2RR	UA3DK	UT4EO	W7RN	LZ2HM	116
	UR9QQ	UU2JQ	WP3R	N2MM	AJ4F
	UT3QU	VA3AYA	ZL4AS	N5BO	DL7URH
124	W1AO	W0QQ	119	N6MB	EA5BRE
AA7XT	W4NF	W2GG	AA3AZ	PY2PA	HA7PF
AB1OC	W8NJR	W3RJW	AE3T	RN3TT	HB9EFK
J11DHY	XE1H	W6XI	AJ4A	SV9COL	IK0EIE
KD2T	122	W9FI	DK3GG	TA2RC	IK2OHG
KD4POJ	G3NDC	W9XX	DL9OBY	W1KSZ	IK7YZG
KZ5DX	IU0LFQ	W9YE	EW4M	W4DAO	IT9TQH
NA2U	JA1MRM	WA1PMA	G4DJJ	W4NJ	IV3HYD
PA0TCA	K1BZ	WY1G	HB9AAQ	W5JMW	JA1WTI
UA0BA	K1ESE	XE1VIC	HB9BCI	W5VY	JE2EHP
VA7CRZ	K1YT	120	I2TZK	WX3P	JH3GCN
VE1DUN	K2MP	9A5F	I4MKN	YO4AUL	K1DC
W2JU	K7ZA	AA4DD	IK0ZIO	117	K1RI
W2RIJ	LA7WCA	AA5JF	JA3AZD	9K2OD	K6RO
W3FM	LA8PT	AL7TC	JA4XGC	9Y4VU	KT1V
W6CYX	N3NR		JE2JMV		KV1J
WB8K					

NA9Q	CU3AK	KT1J	KB2FCV	N4WJ	RD9M
OH8LXT	DL6NB	N6PE	KI4DLS	N7BD	SM5BHW
OZ1LCG	DL6UAA	N7KO	KM1C	NA1DX	SV1VS
PA0JSE	EI8IU	N9ISN	LA8HGA	UR6QA	UA3O
RV3ID	F6CWA	NA3F	N5ZC	VE6KC	US7MM
TZ4AM	G3SDL	NG0G	N6MA	VE7CT	W0UY
UA4PCM	HP3TA	NI5F	N9HF	VE7UF	W3XY
W1ENE	I5OYY	NK5B	RU4SU	W0VHF	W4DC
W1WEF	JA1OVD	NZ3M	SM3DMP	W1FO	W4NE
W7GG	JA4BXL	R7NA	UA1ACG	W4HOG	W5ZPA
W7OEV	JA4KDT	RA4UN	UA1CEI	W4OX	WL7E
W8LRO	JH6WMJ	RZ3AUL	UT6UD	W5AQ	XE1FAS
WQ5L	K1RV	SM5ARL	VE7XF	W7VS	YU7AU
	K2DC	SP3EPG	W1HEO	W8MIL	ZL3NW
115	K2HAT	SV1JFV	W2CVW	W9RB	
C6AGU	K3MD	SV2AVP	W2SKI	WA2MUA	109
CU2CE	K3OSX	UN7TW	W3UL	WB4TDH	DF1KG
DL9GOA	K5CD	VE3KI	W4VHF	WB9EEE	EA3GHZ
G8BCG	K5RJ	W2GW	W5VX	YL3DQ	EU4T
G8DX	KB8U	W6BK	W6KK	YO6HOY	F8EZE
HA5UK	KZ4V	W8FAX	W6TC		G3SVD
HK3PJ	N1QY	W9VNE	W8GEX	110	IW0HQE
IZ0CKJ	N3MN	WA2BOT	W8HMK	BA4MY	JA2CXF
IZ7JVR	N4IQ	WA4DOU	W9SE	DL1VDL	K2CJ
JA2KNW	NU8Z	WB2HJV	WA8OLN	EA5BYP	K2ONP
JA3NHL	UA3FT	WB2UFF	WT9U	F5BAR	K4RDU
JA5WIZ	W0VX	WS4C	ZP6CW	G3LNS	K4SAF
JG3LGD	W3MR	ZL1BYZ		G8AJM	K5FZ
JH1RFM	W4TUN		111	HI8R	K5KA
K0GD	WA1FCN	112	AA4U	I2BBJ	K5KPE
K0SD	WA4CEM	A92IO	AF4OX	IK5RUN	K6MW
K4CMS	WA8MCD	DJ1RL	CU3AN	IK8UHA	KA9UVY
K4GHS	WA9YYY	DK5RL	DG7RO	IZ2EWR	KE1F
K4GK	WN9O	DL5CL	DK2WH	J68HZ	N1BZ
K8YTO	XE1RBV	EA1JO	DK6ED	JA7EPO	N2WLG
LY4T	XE3ARV	EW1DO	DL1HRN	JE2UFF	N7TY
N0IRM		G3XGC	EV1R	JH1VHU	N8NN
N4OA	113	HB9CEX	F6ECI	K2BLA	ND4V
N8KOL	9A1A	HB9CRV	G4DBN	K3JRR	NN4RR
PA3AXU	DJ5DT	HB9G	HC1BI	K3PH	NU4I
RZ6MJ	DJ9RR	IK2ANI	HL3GOB	K4WW	NX7U
UA1ANA	DL8CM	IU8FRE	JA1AUD	K6MI	PY5CC
UA1CGS	DL8DYL	IZ4DIW	JA1FGB	K6VKO	RW4UU
UA6XT	DL9GTB	JA1SXR	JA1NCZ	KB4MRX	RW9QA
UN6T	G4AFJ	JA7BXS	JE8TGI	KC2STA	RX3AGD
W4UCK	JA0GCI	JF2WGN	K0FLY	N2CG	TG9NX
YL2CZ	JA4ITW	JR7TEQ	K5WAF	N3HBX	UB5ZAL
	JH1ORA	K0JPL	K7ORK	N3IQ	UT7KF
114	K0TPP	K1EDG	K9AJ	N3JB	VU2CPL
AB4GE	K8SL	K1EO	KM1R	N4KE	W5WP
BA4DW	KA4RRU	K1KO	KP4AA	NC6K	WB5TUF
BA7IO	KH6DX	K4UAS	KZ0X	NK7C	WN0L
CT3FN	KI0G	K8CC	LA0CX	NY4I	YV3AGT

108	WW1WW	W6TDX	S57AL	N4SC	JK1BSM
AI2Q	ZS2DL	W8VK	UR3CRO	N4VN	JO1WXO
AL7R		W9CPV	UT7UU	N6NU	K0WK
DL6CNG	107	WA0RVK	UU5WW	N7DR	K1BG
ER1LW	4Z5LA	WB6CJT	V73AZ	ND3L	K3FM
G3VAO	DJ8ES	WB8ART	VQ9SS	ON7PQ	K4KEW
HB9BAT	DK3FB	WS1L	W1CWU	OZ4AAL	K4MF
HB9FAN	DL1QQ	XE2YWH	W2EQ	PF7M	K4VIG
IK0PRG	DL2CHN	YL1XZ	W2LE	PJ2/K8ND	K5HK
IZ0BTV	DL5XU	ZL3RJ	W2NO	PY2DS	K6UM
JA2MOG	DO4DXA		W4IR	R6YY	K7TJR
JJ2PIK	EA5AT	106	W5JAY	RA6AF	K9EA
JK1MZT	EA7QW	AA4FL	W5KI	RD4WM	KA2BZS
K1EP	FG8OJ	AE2U	W8OP	SP5JXK	KH6KG/W5
K1XM	G4AKY	DJ6OZ	WA4MYO	UA6LCN	KI0KB
K2KQ	G4RGK	DL2NOM	WA6TLA	UR1RWX	KW0A
K2MK	I5IHE	DL3JSW	YL2GN	UR2RGN	LZ2XF
K4WY	IT9XTP	DL6JZ	YU3EF	VE1PZ	N3ER
K4YJ	JA5EY	EA1CP		VR2MY	N3TR
K6UT	JA6OXT	EA3CCN	105	VY2ZM	N4GU
K8OM	JA8JTH	HA8DZ	DF2PI	W1LE	N4TTE
KM8AM	JH9DRL	IW3GJF	DF8AA	W1LY	N6PF
KN4JX	JR1BAS	JA1VLK	DJ3XD	W1MRH	N6WM
KX2A	K0MD	JA2MNB	DJ6KH	W4OWY	N8MZ
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LU2DKT	K3SW	JG3HBO	DL6XK	WQ5W	NJ9C
LZ3YY	K3YBN	JG5RVQ	DO1CTL	YU1NR	NN3Q
N2DPF	K4MS	JH2KKW	ES1GO		OH4UI
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N6RFM	K8ZR	JJ0NCC	HA8FW	9M2AX	RA1QX
N9SF	KB9DAK	JR0EQQ	JA1BWA	AD1C	RU3UR
N9TF	KE2R	K0DEW	JA1TAA	AG4Q	RZ6DX
NU4Y	N2RR	K1PX	JA4EVN	AH0U	RZ6LB
PA0ZH	N3DAP	K4DSE	JA6VA	CP8HD	SM5CCE
R5FY	N4RF	K5AM	JA7BME	CX3CE	SM7CQY
R7LA	N6EE	K5ZQ	JA8RRF	DK3BK	SO5AS
RA1OHX	N8AGU	K8JJC	JA9APM	DL4FAP	UA9FGJ
RX6DX	N9PGG	KD9HL	JF1RYU	DL7UPN	US5CAO
S57J	NA5Q	KK8X	JF2VAX	E73D	UT4EK
SM6AOU	NE1F	KK9H	JO4CFV	EA8ZS	UT7EC
UX7UN	OE1CP	KQ3F	K1DJ	EI9E	UX4UM
UZ6LWZ	OK2BUZ	N0JZ	K2XF	F6AJA	UY0MM
W2UB	OK3CQR	N2CW	K5AV	F8GB	VE3VHB
W3NRJ	R0FA	N2SQW	K6DJ	G3BRD	W0YBS
W4ZYT	RN4AA	N3XM	K7OX	HB9CIP	W1QA
W7ACD	RV6ARZ	N8AID	K7PO	HK3O	W3DRY
W8IW	SP3BQD	NA5Z	K9RO	IK0DWN	W3TMZ
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WA8MOA	US5CB	NS3L	KT2E	JA1JAT	W5CWQ
WB8BZK	VE3OI	OE5CSP	LZ1JZ	JA1SDV	W5GJ
WC1M	VK3NX	OH2OT	N4JI	JA2FGL	W5ZO
WC6DX	W3KB	OK1AYU	N4NW	JF1EGO	W6PH
WD9EQU	W4MAY	OK2BVG	N4PL	JF6WTY	W7DR

WA0I	R9GM	K4KAY	AA3LX	KS4XQ	WB3HLH
WA9ETW	RA0FA	K5ZO	AA4NU	LA2GV	WC4H
YC0LOW	RA4HT	K7BHM	AC2AC	LZ1XZ	WK9U
YO5ODE	RK3QY	K7UA	AC5O	N0STL	WR2G
103	RU3OW	K8BHZ	CT1JGA	N2AJ	WV9L
AG1I	SM3CBR	KJ6NZ	D44BC	N5AQ	YO2OXD
AI3Q	SM6EHY	KN4KL	DH2FW	N8AG	YO6BHN
DJ1MM	SM7BHH	KW4BY	DK9WI	N9JCS	YV4DYJ
DJ3GZ	UA3PFN	KY6R	DL1KS	NX2X	ZS1J
DJ7PI	US2WU	LA3ANA	DL3ANK	OA4TT	100
DL2HX	UT2AB	LA6UL	DL5JS	OE3WQB	9M6YBG
DL8YRM	VA2ZO	N5RZ	DM3ML	OH3TY	A41ZZ
DM5TI	VA3IC	OH2EA	EA1WX	OK1PGF	AA4AK
DS3HWS	VE3EDY	OK1DTN	EU1TT	OK2BOB	AA4UC
EA7SG	VE3MFA	OK1JDX	G3ZFC	OK3EY	AB4VV
EU6MM	VE3VV	OK3CSQ	G4FJK	OK4MM	AC4VM
EW3LB	W0QC	PA7TWO	GM3WTA	ON4LG	AI2S
G3BDQ	W0UVC	PV8ABC	HB9NL	PA4WM	DJ6OI
G3OIL	W1CTN	PY2DO	IK5ZUK	RA3AH	DK8MM
G4AAW	W4AVY	R2AB	IV3GOW	RA4P	DL1TPY
G4PUQ	W4MZ	R3IS	IV3KCB	RA4SD	DL1TRK
G4VGO	W5THT	RU3UN	JA1VVX	RB7GG	DU7ET
I0OSI	W5VU	S59DJK	JA2VMU	RK9F	EA2AAZ
JA2GQO	W6SZN	SM6WET	JA6TMU	RY6M	EA3ALD
JA2OLJ	YO7APA	SP5MXZ	JA7SFD	SM2DMU	EA8AXT
JA3FHL	102	T77V	JE1PHH	SM7NDX	EC5A
JA8EJO	A6/RV6LNA	UA1AIR	JF1RPZ	SP7JLH	EI3ISB
JE1SYN	CT4BD	UA1CKC	JH3HGH	SV1PL	ES5NC
JH1DGQ	DK3QM	UA6HOF	JH3PRR	UA0FDX	FM5GU
JM2RUV	DL3DXX	UA9MR	JH7BKN	UG6GAW	G0VXE
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K2UVV	DL4CW	UW7CN	K0LW	UR7CQ	GM3ZSP
K4LQ	DL4KUG	VE2FYR	K1YR	UT1CC	I2VGW
K5JUC	DL5RDI	W0JMP	K2BX	UT4IS	IK0HFO
K7BTW	DL5RDI	W1AW	K3SEW	UT7HA	IK4MSV
K8CCV	EA8AKN	W1PV	K4NNX	VE2OJ	IS0/YO3RA
K9MUG	EI4DQ	W2LW	K5DNL	VE3ARF	IT9CVO
K9XJ	EI6GF	W2TX	K5WE	VE3XB	IW0BYL
KE1IU	ES5RW	W3EKT	K6AAW	VK2GR	JA1BRK
KJ4R	F6BWO	W4ALF	K6XJ	W1FC	JA1CPU
KJ7WY	FM5WD	W4KK	K7AR	W1GF	JA1ILA
KM9E	HB9AHL	W5TO	K7IA	W2SF	JA4FSH
LX1DA	I8LWL	W7IUV	K8BN	W3WH	JA5DQH
N0RU	IT9SFT	WA0IDK	K8YYY	W4BUE	JA9CGW
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N9BBQ	JA8OW	WD8DSB	K9PG	W5RF	JS6TWW
NU1T	K0YN	WS4Y	KC4PX	W7AV	K0LB
OH3GD	K1PTF	WW5G	KD3UY	W7CB	K0XM
OK1DQT	K2LP	YO2CMI	KE1VT	W8GB	K1NA
OK2BQU	K2TER	YO2IS	KE4S	W9MAF	K1NZ
OK3BRK	K2TK	101	KF7NN	W9ZCL	K2CBI
OZ7JZ	K3KG	AA2VG	KN6J	WA3EKL	K2CYE
	K4AQQ		KQ1F	WA3PTF	

K3TZV	PA7RA
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K4KGG	R3PJN
K4KSY	R9JX
K4QS	RA3SD
K4UQC	RA4LW
K7VIC	RA6XB
K8BZ	RC2A
K8CR	RN1A
K8CS	RT5A
K8LE	RU3GF
K9NZ	S53MJ
KB0EL	S59SV
KB1HY	SM0CXU
KC0V	SV1FJP
KC4D	SV1VJ
KC5LT	SV2DSJ
KD8BZY	TI5CDA
KP4N	UA3AKI
KQ5M	UA4PAY
LA8W	UA6CEY
LU5OM	UN6P
LU5YF	UR4CW
MM0SJH	UR4LRG
N0AH	UR8IDX
N0ATQ	VE1RGB
N1KI	VE3OAT
N1MD	VE7JKZ
N2SG	VP2VA
N2XQM	VR2PX
N3AF	W0GYH
N4CRI	W0MU
N4ZR	W1AN
N7DED	W1YRC
N7TK	W2CCC
N8IL	W3BBO
N8NB	W4HHN
N8OQ	W4OEP
N9ADG	W4OV
NA6O	W6WA
NB3R	W7DT
NG7A	W7JET
NJ3I	W8CNL
NN4SS	W8FN
OE5JDL	W8GDQ
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OK2PAZ	WB8TGY
ON4ANN	WU2M
ON7EH	YB1TJ
ON7GB	YL2SM
ON9CC	YO9FLD
OZ1ZD	ZP9MCE
PA0INA	