

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 15 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 IK0YUT N6AR N7NG ON4ACG W9IXX	K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP8NR VA5DX W7KW
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 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 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	K5UO	RU4SO	208	K4JJW	201
K6EID	UT4MF	W0LYI	G3NSM	K9US	AG4W
K8FH	W5PJR	W1FJ	I4LCK	KK4SI	CU2DX
K8ZTT		W2WG	JA9FPI	LX2A	DL1EJA
N4PQX	217	W3YY	JF4VZT	N4NX	JF1PUW
N5AW	DM5EE	WS9V	K2FU	N4QS	JO7WXN
N5JR	JH1IFS		LA7HJA	N7FU	K1GG
N8PR	K5PC	212	N5ORT	SM2OAN	K3HP
N9BX	ON6YH	AA9A	RU3ZX	UA0SR	W0MHK
SM0CCM	UA3AGW	DL9GFB	RX3APM	US6EX	W2IRT
		K4MQG	UN5J	W2HUV	W5TCX
221	216	K8ZH	UY1HY	WD8PKF	
JA2WYN	F6DAY	KE9I	W6PJ	WF4U	200
JJ3PRT	JA9PPC	KG6I	W9EWZ	WI8A	G0OIL
K8SIX	K3JGJ	N1ZZ			IK0FVC
LA7GIA	N5UL	N4MM	207	203	JA1GTF
LB8DC	OE1ZL	NX0I	K1DT	AA5AM	JH2RMU
N6VR	RA1QD	SM5CZQ	K1LPS	JA2XYO	K1GE
VE3LYC	RZ0AF	W1ECT	K3JT	JE1PNX	LA5YJ
W1ZK	W0GJ	WA5VGI	K8EUR	K4XO	RW4NN
W6JRY	W6XA	WB9CIF	N9AU*	K9MMS	RW7M
WS6X	YO7LCB		PY2BW	KK2I	UY0ZG
	YU3AA	211	PY2XB	NK1K	W0DD
220	YV1DIG	EA1RT	W0LS	OH1TV	W3GG
AG8B		IK4DRR		PA0A	
DK2NG	215	JA4DEN	206	R6AF	199
HB9LCW	JH0INP	K3WA	IK0IOL	W7DO	G0BNR
HL5IVL	N7JW	RU3SD	JA3PIS	W8GC	JA2DPC
JF3KON	W0UO		K2VV	WA2HZO	K6GXO
JR4OZR	W2LK	210	K3LR		KB8VAO
KA1R	W6YI	I8SAT	K5AQ	202	N4DW
OZ1AXG		JA7MSQ	K5MC	DK2LO	W1TO
VE3EXY	214	JJ2LPV	K8AC	DL1MGB	YO2DFA
	DL7BA	RV0AR	N8DJX	DL2KQ	
219	HL3IUA	UW7LL	SM6BZV	DL9DRA	198
IK3VUU	IZ8VYU	W7JW	US0KW	HB9DDO	DL1ROJ
JA2FBY	JA2IVK		VE3BW	JA2JNA	G3UJE
JA2FJP	JA2JW	209		JA3CSZ	G4BUE
OE8RT	K4NA	DL5CF	205	JA5AQC	I5KKW
RA3WDK	LA4GHA	DL9MRF	F6EXV	JH3VNC	IT9JNR
SP4K	LA7JO	EU1KY	I4KDJ	J12KXK	JA4PXC
UT7UV	OK1DX	HB9CXZ	JA3AAW	K2NV	W8HB
WA2UUK	RN7G	HB9DDZ	K9YY	LY1G	
	W4NL	JA0UUA	KA9FOX	N5ZM	197
218	WP4U	K5RT	W8UN	N7KA	G3SNN
AD5A		KG9N	WB8ZRL	OK1DOT	JA0EOK
DJ4PI	213	N9LB		R9TO	JE1BMJ
DK0PM	DF2IS	VE1DX	204	RA3S	JH1QAX
IK1YDB	EI3IO	W0ZR	DJ5AV	UA9FAR	JH2UVL
JA6LCJ	HA1RW	W7KNT	EA5KA	W1NT	K8NVR
JA8CDT	JF6DSZ	W9OO	F4BKV	ZL3IX	LA7AFA
K0EU	K1ST		IK7NXM		OE4PWW
K5EJ	NA2M*		JA9NFO		OE5FIN

ON4CD RZ6FA UA0SC UT5EL W0FS W4UM XE2X	HA5BSW K4ODL N5LZ N9EN PA0LOU RN1ON UA0CA W9MU WA2VYA WE9R	189 9A2F AA1ON CT1FMX EA8PP FM5CD K4CN SM0NJO SP7HOV UA7T WA3C	N5UR OE2BZL SV1DPI UA9CBO	IK4ADE JE2URF K6SSS K7BG LA9AJA N1RR N4AH ON5FP W1RM W2OR W7BEM W8TN	176 EU1AB G0BLB I6FLD JA0DET JA5IU JA6BJV JA8KSF K8MN N5OK RL3FA SM5FUG SP1MGM W4BP W4GD YO7NE
196 4Z4DX AA4HP IK4PLW JA3RAR K8PO KP2A ND0N RA9CMO RZ4FO W2FCR	192 9A2NA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG LA0FA N4DB NE1B W3UA W3YQ W8LGJ	188 AB4IQ JA1KQX JA8DNV KB0EO KE9ET KL0S N8LJ RM0F W1YM W6SR W8JV WA6YEE	184 HA5WA IW0SAF JF1NZW K4HGX K5KLA KB4ET N9RC S57AC US8UA UT2UB W2YJ	179 IT9ELD JA9NLE K0TT K8WK N2PK OK1MG S57UN SM4DDE SV3FUP W8KEN	175 JA1CHN JG0CQK JH2QMT JS3CTQ K4DLI LA5LJA N7IR PE1L TF3SG VE3FF W8HC WA9PIE WX0V
195 EA3JL EA5RM G3ZEM JA1EOD JN7FAH K3PA K7SO K9RT KF8UN N1SV W4FC W5ZG W9OP WN6W	191 CT3MD JA1ANR K0BBC K0JGH K8FC K9LA RK2FWA	187 AJ1H K0SR K6SRZ KN5O N2NS OK1CZ SP3FAR W7AWA	183 CT1FPQ HK3W IT9INO K8RRT K8VC N9MB NN2L ON6SAS W2FP W8NW	178 4Z5CX EA3CJ JA4MRL JL1SAM K2UR N7XR NE0U SM7DLK SV1JG W6NWS W7MEM ZS1LS	174 JA0GJJ JA1PPW JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K1KI K2KA K3AJ K4TR K4WS N1EN OE1WHC RN7F UA3LNM W8UV W8VVG WT8C
194 JA1XEC K4KDX K9JF KB9LIE OH2IS SM7GIB W2LO WD8JJA	190 IZ8XQC JA0VSH JA1DUH JA1MCU K2TE K9KU KB1EFS KM1D N4XU N5GH SP2LNW VE7VV W9AJ	186 IK2QPR JA2LCP JA2ZL K0BJ K7LAY YL2TW	182 DJ9ON DK3UA JA1SHE JA3ENN JR7BDQ N3OC UR3EO	177 9H1SP AE5E CT1GFK K3WC K4RG K5GKC K9NU OK1DWC PY5EW SM6DHU W5LT W7FI WB7B	
193 CT1IUA DF2GH DK1FW DL5ZB DL6ZXG EA3WD		185 AB6QM CT1EAV EA6BF G3KWK IK3SWB K5ZD LA3WAA N4TJ	180 4Z5MU DM2DXA DM3VL EA8JF		

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 F6HDD 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	PY5HOT	XE2S	RU1AO	W6RKC
138	W2OIB	RG6G		S51NM	WB0O
DK8MCT	WB7QXU	RX4HW	131	TA1CM	ZS6UT
DK8YY	135	SM0BYD	DK7YY	VE3DO	127
EI9FBB	5B4MF	UA0ACG	DL9FCY	W2MPK	AC9EM
F6DDR	BA4RF	W4JKC	HS1NGR	W9ZT	CT3KN
IK8EPC	DJ9ZB	YU1AM	IV3KFB	129	HK1MW
JA3OOK	F6FXU	133	JA0AOO	HB9AZZ	JA1DDH
JF3LOP	IZ7EVZ	9K2NO	JA2TBS	JA1NWD	JA1WLO
K1RO	JA2KVD	EU1U	JH4ADK	JA8JO	JA8RJE
KJ6P	JA7LMZ	G4XEE	JJ1TEA	JK1EXO	JA9KRO
LB5WB	JA8BNP	IK5DNF	JM1FHL	K6XM	JH3AIU
NA5DX	JA8JL	IZ8DFO	K1UU	K8DV	JN1RQV
OZ8X	K1ZE	JA6CBG	K6SIK	LB7ZG	JS2LHI
RW4CY	K4TT	JA7GLB	K9DR	N0YY	K0RW
UN7JID	K4ZRJ	JA9AGN	KC2LSD	N2BJ	K3TRM
V51B	K7FL	JR6FC	KH2L	N3KS	N1AC
W1GD	K7XB	JR7FRW	KM3V	N3RR	N1GC
W2YE	NZ9R	K2CDJ	KM4H	PA3EWP	N9RD
W4YV	R3VA	KS4YT	N3MK	W0YVA	OE3SGU
W7OM	R7LP	KU2A	N4QWZ	W7QHE	OE8HIK
137	RN3RQ	OE1KM	N5PHT*	W8MET	SK7AX
EA1YO	SM0LGO	RA5BM	N6RK	W8MK	SP6A
GM3YOR	SM5CZK	RV4LC	ON4ON	128	SP7ASZ
IZ2FOS	SP3XR	UQ2PZ	PY5EG	AA4SC	W0CP
JA3APU	SV5DKL	VE3WT	R0SR	DM2RM	W0RT
K2QMF	UB3A	W0NFL	R9MJ	IK2SGB	W1OPD
K8NS	W1DIG	W2QO	R9SA	JA1XCZ	W3BG
RA3CO	W1EQ	W5AJ	W8DCH	JA2AHH	W3FOX
RG7G	W2GD	132	W8KA	JA2KSP	W3MF
UU1JA	W4BUW	AA4NC	ZS1A	JA5FDJ	W8LMG
W1ITU	W4MBD	AD6W	130	JA9AA	XE1KK
W5ODD	W4RFZ	E73M	DF9ZW	JE1LFX	126
WB5JID	W6DR	EI2JD	E73M	JH4GJR	DJ8WD
136	W6JTI	G7VJR	EI2JD	K0FF	F8BPN
E72U	WE4S	HK0HEU	G7VJR	K3XA	G4IUF
ER0FEO	134	IK3XJP	HK0HEU	K4JAF	JA7KY
HB9IQB	CT3HF	JA2FBC	IK3XJP	K4SE	JH3CUL
IK8CNT	HA1RB	JG1DUZ	JA2FBC	K6LPO	JJ1DWT
IU0HDC	IK4DCS	JJ4POR	JG1DUZ	KG7CW	K2ZD
K0TV	JA7LGE	K2MYR	JJ4POR	KM4NS	K4JKB
K4ZO	K1TO	K3NK	K2MYR	N5KM	K4XU
K7TM	K1ZN	K7LFY	K3NK	OZ1IKY	N8NA
KR6C	K3OX	K8BCK	K7LFY	R9SG	OK3CQD
OK1DW	K5VIP	K9GL	K8BCK	S53X	PA5TT
SM3GQP	KX4TT	KO8SCA	K9GL	S55DX	VE3CX
SM5OJH	N9MR*	NA4EA	KO8SCA	SV3DCX	VE7BV
SP2BMX	N9RS	NO9E	NA4EA	US8UW	W8REW
SP6JIU	OE1TKW	OZ2ABI	NO9E	VQ9LA	W9ILY
UT3UZ	OH1ZK	R5QA	OZ2ABI	W2WC	WB2REM
	ON4CAS	R9AB	R5QA	W4IS	WD4LBR
		WB3D	R9AB		

YU1EXY	WT4Q	N9AW	DL2VWR	JH6CDI	AE0P
125	123	NN7X	FG5FR	K3NF	BH4IGO
9A1AD	AC4TO	OZ3Y	HB9BLQ	K5UZ	DL1DWT
AG1A	DL7JRD	RD4A	IZ0LKV	K7EG	G3PLP
GW3TMP	F4GTB	SP9WZS	IZ5NFD	K8KWT	IT9DAA
HK4SAN	G4WFQ	UU4JMG	JA4EPE	N0KV	JA1HQT
IW0HEX	G5LP	VE6AX	JR3UIC	N4DJ	JA4FM
JA4IYL	HB0WR	VK4CAG	JR6LLN	N9UA	JA7GYP
JA6VU	IK2CHZ	W2TB	K2BA	NT2A	JA7IC
JE1TSD	JA0CRG	WA3I	K2HK	NY7T	JM3GXU
JE6UWU	JA1SJV	WA7BNG	K3QIA	OH5NG	JR2UBS
JF2WXS	JA3MHA	121	K9SG	OK1DT	K2BB
JH1AGU	JA6WJL	AA6RR	KA8ZPE	R6FFB	K6PJ
J14WAO	JR1EBE	AA8CH	N4BAF	SV1ACK	K8OOK
K1HAP	K2PK	DF1DB	N4LR	W4HZ	K8QM
K5KG	K3FRK	DK1EI	N4TB	W8FIB	K9FN
K9GWH	K3XO	DK6CQ	N4UFP	WC2K	N2JJ
KA6BIM	K4ZIN	EI2GLB	OE3EVA	XE1RCS	N4IR
KI4WCQ	K5GH	HB9DHG	OZ2A	118	N8AA
LZ1XL	K5JC	IT9AAI	PZ5RA	5T5PA	N8XI
N2KA	K6FW	JA2HYD	RL3BZ	AB2E	NY4G
N3EN	K7UT	KD8RQE	SP3PLD	DL5OCE	ON5UE
N4JT	K9CS	KG9Z	SP7ITB	JA4FHE	OZ5HP
ND5S	KV4T	KV4AA	SV1IW	J18DGO	SM7BIC
NW6S	N2ED	N0OK	UR5IKN	JN7DOS	SP8HKT
OE1AZS	N4DWK	N1JP	US0YA	K3WGR	UA6J
RA0BA	N6MZ	N3ND	US1CT	K4CNW	UR9IDX
UU7JM	N9JV	N4TL	VE3YF	K5XM	W4ZRZ
VE3UTT	N9LQ	N6HC	W0RX	K7PI	W6SL
W5DAW	NA2P	N8PW	W2YR	K8LN	W8ZR
W9CG*	NA9RB	SV1AHX	W3OA	K8WVA	W9HBH
W9DX	S50B	SV1FKZ	W4PRO	KD6UO	WA2USA
WV4TN	UA3DK	UQ1GWW	W6RFL	KG8CW	116
YO2RR	UR9QQ	UT4EO	W7RN	LZ2HM	AJ4F
	UT3QU	UU2JQ	WP3R	N2MM	DL7URH
124	W1AO	VA3AYA	ZL4AS	N5BO	EA5BRE
AA7XT	W4NF	W0QQ	119	N6MB	HA7PF
AB1OC	W8NJR	W2GG	AA3AZ	PY2PA	HB9EFK
J11DHY	XE1H	W3RJW	AE3T	RN3TT	IK0EIE
KD2T	122	W6XI	AJ4A	SV9COL	IK2OHG
KD4POJ	G3NDC	W9FI	DK3GG	TA2RC	IK7YZG
KZ5DX	IU0LFQ	W9XX	DL9OBY	W1KSZ	IT9TQH
NA2U	JA1MRM	W9YE	EW4M	W4DAO	IV3HYD
PA0TCA	K1BZ	WA1PMA	G4DJJ	W4NJ	JA1WTI
UA0BA	K1ESE	WY1G	HB9AAQ	W5JMW	JE2EHP
VA7CRZ	K1YT	XE1VIC	HB9BCI	W5VY	JH3GCN
VE1DUN	K2MP	120	I2TZK	WX3P	K1DC
W2JU	K7ZA	9A5F	I4MKN	YO4AUL	K1RI
W2RIJ	LA7WCA	AA4DD	IK0ZIO	117	K6RO
W3FM	LA8PT	AA5JF	JA3AZD	9K2OD	KT1V
W6CYX	N3NR	AL7TC	JA4XGC	9Y4VU	KV1J
WB8K			JE2JMV		NA9Q

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
CU3AK	KT1J	KB2FCV	N4WJ	RD9M	

108	ZS2DL	W8VK	UR3CRO	N4PL	JF6WTY
AI2Q		W9CPV	UT7UU	N4SC	JK1BSM
AL7R	107	WA0RVK	UU5WW	N4VN	JO1WXO
DL6CNG	4Z5LA	WB6CJT	V73AZ	N6NU	K0WK
ER1LW	DJ8ES	WB8ART	VQ9SS	N7DR	K1BG
G3VAO	DK3FB	WS1L	W1CWU	ND3L	K3FM
HB9BAT	DL1QQ	XE2YWH	W2EQ	ON7PQ	K4KEW
HB9FAN	DL2CHN	YL1XZ	W2LE	OZ4AAL	K4MF
IK0PRG	DL5XU	ZL3RJ	W2NO	PF7M	K4VIG
IZ0BTV	DO4DXA		W3ICM	PJ2/K8ND	K5HK
JA2MOG	EA5AT	106	W4IR	PY2DS	K6UM
JJ2PIK	EA7QW	AA4FL	W5JAY	R6YY	K7TJR
JK1MZT	FG8OJ	AE2U	W5KI	RA6AF	K9EA
K1EP	G4AKY	DJ6OZ	W8OP	RD4WM	KA2BZS
K1XM	G4RGK	DL2NOM	WA4MYO	SP5JXK	KH6KG/W5
K2KQ	I5IHE	DL3JSW	WA6TLA	UA6LCN	KI0KB
K2MK	IT9XTP	DL6JZ	YL2GN	UR1RWX	KW0A
K4WY	JA5EY	EA1CP	YU3EF	UR2RGN	LZ2XF
K4YJ	JA6OXT	EA3CCN		VE1PZ	N3ER
K6UT	JA8JTH	HA8DZ	105	VR2MY	N3TR
K8OM	JH9DRL	IW3GJF	DF2PI	VY2ZM	N4GU
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KN4JX	K0MD	JA2MNB	DJ3XD	W1LY	N6PF
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KZ1W	K3SW	JG3HBO	DL4ZAB	W4OWY	N8MZ
LU2DKT	K3YBN	JG5RVQ	DL6XK	W6FF	N9DR
LZ3YY	K4MS	JH2KKW	DO1CTL	WQ5W	NJ9C
N4MEC	K8LBT	JH6PFY	ES1GO	YU1NR	NN3Q
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N9SF	KB9DAK	JR0EQQ	HA8FW	104	PA0GMM
N9TF	KE2R	K0DEW	JA1BWA	9M2AX	RA1QX
NU4Y	N2RR	K1PX	JA1TAA	AD1C	RU3UR
PA0ZH	N3DAP	K4DSE	JA4EVN	AG4Q	RZ6DX
R5FY	N4RF	K5AM	JA6VA	AH0U	RZ6LB
R7LA	N6EE	K5ZQ	JA7BME	CP8HD	SM5CCE
RA1OHX	N8AGU	K8JJC	JA8RRF	CX3CE	SM7CQY
RX6DX	N9PGG	KD9HL	JA9APM	DK3BK	SO5AS
S57J	NA5Q	KK8X	JF1RYU	DL4FAP	UA9FGJ
SM6AOU	NE1F	KK9H	JF2VAX	DL7UPN	US5CAO
UX7UN	OE1CP	KQ3F	JO4CFV	E73D	UT4EK
UZ6LWZ	OK2BUZ	N0JZ	K1DJ	EA8ZS	UT7EC
W2UB	OK3CQR	N2CW	K2XF	EI9E	UX4UM
W3NRJ	R0FA	N2SQW	K5AV	F6AJA	UY0MM
W4ZYT	RN4AA	N3XM	K6DJ	F8GB	VE3VHB
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W8IW	SP3BQD	NA5Z	K7PO	HB9CIP	W1QA
WA2ALY	SP6AXW	NI5M	K9RO	HK3O	W3DRY
WA8MOA	US5CB	NS3L	KI5T	IK0DWN	W3TMZ
WB8BZK	VE3OI	OE5CSP	KT2E	IZ4MJP	W5BK
WC1M	VK3NX	OH2OT	LZ1JZ	JA1JAT	W5CWQ
WC6DX	W3KB	OK1AYU	N2DPF	JA1SDV	W5GJ
WD9EQU	W4MAY	OK2BVG	N4JI	JA2FGL	W5ZO
WW1WW	W6TDX	S57AL	N4NW	JF1EGO	W6PH

W7DR	OZ7JZ	K4AQQ	101	KQ1F	WA3PTF
WA0I	R9GM	K4KAY	AA2VG	KS4XQ	WB3HLH
WA9ETW	RA0FA	K5ZO	AA3LX	LA2GV	WC4H
YC0LOW	RA4HT	K7BHM	AA4NU	LZ1XZ	WK9U
YO5ODE	RK3QY	K7UA	AC2AC	N0STL	WR2G
	RU3OW	K8BHZ	AC5O	N2AJ	WV9L
103	SM3CBR	KJ6NZ	CT1JGA	N5AQ	YO2OXD
AG1I	SM6EHY	KN4KL	D44BC	N8AG	YO6BHN
AI3Q	SM7BHH	KW4BY	DH2FW	N9JCS	YV4DYJ
DJ1MM	UA3PFN	KY6R	DK9WI	NX2X	ZS1J
DJ3GZ	US2WU	LA3ANA	DL1KS	OA4TT	
DJ7PI	UT2AB	LA6UL	DL3ANK	OE3WQB	100
DL2HX	VA2ZO	N5RZ	DL5JS	OH3TY	9M6YBG
DL8YRM	VA3IC	OH2EA	DM3ML	OK1PGF	A41ZZ
DM5TI	VE3EDY	OK1DTN	EA1WX	OK2BOB	AA4AK
DS3HWS	VE3MFA	OK1JDX	EU1TT	OK3EY	AA4UC
EA7SG	VE3VV	OK3CSQ	G3ZFC	OK4MM	AB4VV
EU6MM	W0QC	PA7TWO	G4FJK	ON4LG	AC4VM
EW3LB	W0UVC	PV8ABC	GM3WTA	PA4WM	AI2S
G3BDQ	W1CTN	PY2DO	HB9NL	RA3AH	DJ6OI
G3OIL	W4AVY	R2AB	IK5ZUK	RA4P	DK8MM
G4AAW	W4MZ	R3IS	IV3GOW	RA4SD	DL1TPY
G4PUQ	W5THT	RU3UN	IV3KCB	RB7GG	DL1TRK
G4VGO	W5VU	S59DJK	JA1VVX	RK9F	DU7ET
I0OSI	W6SZN	SM6WET	JA2VMU	RY6M	EA2AAZ
JA2GQO	YO7APA	SP5MXZ	JA6TMU	SM2DMU	EA3ALD
JA2OLJ		T77V	JA7SFD	SM7NDX	EA8AXT
JA3FHL	102	UA1AIR	JE1PHH	SP7JLH	EC5A
JA8EJO	A6/RV6LNA	UA1CKC	JF1RPZ	SV1PL	EI3ISB
JE1SYN	CT4BD	UA6HOF	JH3HGH	UA0FDX	ES5NC
JH1DGQ	DK3QM	UA9MR	JH3PRR	UG6GAW	FM5GU
JM2RUV	DL3DXX	UA9UCO	JH7BKN	UR5WIF	G0VXE
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K2UVV	DL4CW	VE2FYR	K0LW	UT1CC	GM3ZSP
K4LQ	DL4KUG	W0JMP	K1YR	UT4IS	I2VGW
K5JUC	DL5RDI	W1AW	K2BX	UT7HA	IK0HFO
K7BTW	EA8AKN	W1PV	K3SEW	VE2OJ	IK4MSV
K8CCV	EI4DQ	W2LW	K4NNX	VE3ARF	IS0/YO3RA
K9MUG	EI6GF	W2TX	K5DNL	VE3XB	IT9CVO
K9XJ	ES5RW	W3EKT	K5WE	VK2GR	IW0BYL
KE1IU	F6BWO	W4ALF	K6AAW	W1FC	JA1BRK
KJ4R	FM5WD	W4KK	K6XJ	W1GF	JA1CPU
KJ7WY	HB9AHL	W5TO	K7AR	W2SF	JA1ILA
KM9E	I8LWL	W7IUU	K7IA	W3WH	JA4FSH
LX1DA	IT9SFT	WA0IDK	K8BN	W4BUE	JA5DQH
N0RU	JA0HXV	WA1S	K9JU	W4PM	JA9CGW
N1HOQ	JA8OW	WD8DSB	K9PG	W5RF	JF3DRI
N9BBQ	K0YN	WS4Y	KC4PX	W7AV	JS6TWW
NU1T	K1PTF	WW5G	KD3UY	W7CB	K0LB
OH3GD	K2LP	YO2CMI	KE1VT	W8GB	K0XM
OK1DQT	K2TER	YO2IS	KE4S	W9MAF	K1NA
OK2BQU	K2TK		KF7NN	W9ZCL	K1NZ
OK3BRK	K3KG		KN6J	WA3EKL	K2CBI

K2CYE	PA0INA
K3TZV	PA7RA
K4FT	PY7DJ
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
OK1DXD	WB4SON
OK2PAZ	WB8TGY
ON4ANN	WU2M
ON7EH	YB1TJ
ON7GB	YL2SM
ON9CC	YO9FLD
OZ1ZD	ZP9MCE