

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 26 Aug 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	326 EY8MM S50A	317 I4EAT* K5RK OH3SR W3LPL	W5IZ	UA6A
341 EA8AK	325 K4PI K9UWA ON4UN* SP5EWY UA2FF	316 OG2M PE5T W2VO	310 RA3CQ SM5BFJ SM6CVX	304 DJ0MDR GM3YTS LZ2JE N4JJ*
340 K1ZM	324 K2TQC OH2BO W1NG	315 S50U W1JR	309 IK4MGP W3GH*	303 F5LGE G0JHC JA1BK K1UO K9QVB* RU3DX
339 W4DR W4ZV	322 UX0UN W3UR	314 GM3POI IK4GME NX4D OE3GCU OK3GU OZ1LO RW2A UA4CR	308 IV3PRK K4SV K8GG N4RJ OH5VT SV8JE UT3UA	302 JA2JPA N3XX OE1WEU SM3EVR SP3EPK SV1FJA SV8CS
336 OH2BU	321 K5NA* SM4HCM WB9Z	313 OZ7YY	307 CT1EEB DJ7MI VE3EJ	301 DL9KR F6BKI JA4DND N1RJ PA3FQA
335 R7LV	320 K8MFO W8UVZ	312 OH1MA S54E	306 DL4MCF EA6SX K4CIA N4IS SM0AJU WT3Q YU1FW	300 G3KMA I2ZFD JA4LXY K4TEA VA3EF
334 N4WW VE1ZZ*	319 N0XA N1DG RA7A SM4CAN UT5UGR W9ZR	311 DF3CB DJ6RX DJ9KG G3PQA I4AVG I4EWH KJ9I RZ3AM SP2FAX	305 GM3GAV JA4LKB JA7NI K4ZW NN4T RW3PZ* SM3GSK	299 EU7A N1BUG
332 UR0MC UT7QF	318 4X4DK IK4WMA			
331 K5UR LZ2DF R4GM UA4CC				
330 AA1K HA0DU OH1XX				
329 K3UL UA4HBW				

UX1UA W7UT	R7FK* SM5AQD SV1AOZ W3YX W8TOP	W8AV	278 DK0EE F5NBU F6BEE HB9AMO K5DU RU3FM SP9DWT VE2TZT	PA7MM SM5KNV
298 9A2AJ 9A7V DF2UU IK2DFZ OE6IMD OZ3PZ RA3DX SM5CEU W0FLS	291 CT1APE K4WM KD9SV R7NW SM6CMU SP3E UA3LAR UT7UJ	284 HB9BIN IK6DLK JH4IFF NJ6P W0BV	271 G4GED JA5AUC KD5M OZ1CTK	
297 DK5PR N4CC OM2XW W0CD*	290 K0KX N8DX UA3AKO US5WE UT1UY	283 9A2EU JA5EXW K4SO K8KS K9CT NA0Y NO3M R3OK SM6DHF W2YC	277 AA4MM DJ9VA DK5WL IK5BAF K1ZZ OH3BU ON7TK	270 AA1V K6ND OE5KE SV8BHN
296 DF3GY DJ2BW* F5NTV G4PWA ON5NT RY9C SP3IBS W1JZ	289 JA3ONB RX4HZ SP3DV US4EX	282 DL1YD I0WDX N2LT N4KG* SM6CTQ UY5ZZ	276 F6GCP G3LZQ I2AOX N8RR OK1AWZ	268 DL5DSM G3WPH RA3XDX SM5DJZ* SP5DIR W1MK
295 K3UA N0TB WD5COV	288 K5XI PA3GCV SL0ZG SP7VC UA4LY UX1AA W0JX WK3N	281 DF2PY IK4DRY JA2PJC JR7VHZ K1CP S59Z W4TO	275 9A1CCY IK4CIE K2UO K4IQJ KF2O SP6AEG SP9JZU UW2ZM W2OKM*	267 EI7BA G4OBK LU8DPM RW0LT RZ3DX W1GL
294 DL1AMQ IZ0AEG JH2FXK JH4UYB JR2KDN LA5HE RJ3AA W5ZN	287 DL1RWN G3XTT N2QT N7NR RK4FD UR5WA VA3DX W4PK	280 EA6NB JA3FYC KG4W N9IW RV3LO SP5CJQ SP6HEQ YO3APJ	274 CT1EKY G3TXF JA8ISU MD0CCE SM6CCO W6UB	266 K1QX K4XP NR1R R3LA W8TE W8XD
293 I5NPH IK1GPG KV4FZ* S58T SM3NRY UA3AB	286 DJ2YA DL7VEE G4CCZ K3SX N3SL PA0WRS UT7UW	279 F6AOJ IK8HJC N2TK N5DG SM6CNN UA6MF	273 K2CL K5BG RA3DA SP6CIK UA3DPM	265 AA4V* AA6YQ AA7A EA5BM YO5BRZ
292 G4BWP HB9BGV OZ1BTE			272 DL1DUL DL2OE LA3MHA OH1LEU	264 IK2YCW IK5HHA K7ZV N3NT ON4AOI R5AJ

SV8CKM	W9YSX	K9RX NQ1K ON4IQ OZ8BZ YO9HP	243 DK2JX DK3DG G8VR ON4ATW S57A W9RPM WX4G	SV1ELF UW5ZM
263 IZ1ANU K9OW KX4R LA5IIA W2SM W3AP	256 9A5CY JA2VPO JA5BZL K5VRX SV8GFW W1TSP	249 AI9L SP5DRH		238 DL8WN IK0XEZ NI0G RA0FF VO1HP
262 G0DQS IV3ODE K4UEE* KR9U N5KD NO8D UT9FJ UX4UA* W1YY	255 K4QL N2MF W3KX W5OZI YL2GD	248 K3WW K5RX N6TR SM3VAC T77C W9NGA	242 EA4KD KG7H W3LL WA7NB	237 DL7MAE K1AR K1VW* KC7V OM4EX W4YO*
261 9A4T DL9YX K2EK K5KC N6SS SP1S UX0FF	254 5B4AGN I1EIS N0AT OM3DX WA4FFW	247 K0IEA K6XT NO2R OE2LCM R7IA TF4M WA7NS WB3AVN	241 AC4G JA0DAI JA1SYY JA3EMU JA5MHD JR3GWZ K5ZK KA9CFD N4XM N5TY* N7RT NV9L OK1DWJ SP5GRM UA3TT VE1YX VE3NH	236 JG1ULJ K1JO K5EK K9NR K9ZO OK2ZI OZ4O SP8AJK
260 I1FQH K1LT K4DY	253 IV3YYK JQ3DUE K5ESW R5DT S58Q SP9FKQ* UA1OMS W0YG	246 DJ2TI F2JD IK0MHR JA7QVI JF8QNF OK1CF UR5EDX W2TQC W5XZ		235 CX6VM DJ5FI DL9MRF EA6VQ JA0FSB JH4ADV K3SWZ N6DX R7DX S51DI VE3DZ VE3XN
259 DF4PL G3ZSS K8FL N2NL R9FM VK4MA	252 EA1DR JF2MBF JG3QZN JR3IIR NN4X PA4VHF S52F W3UM	245 DL4CF EI2CN JA1GV N9US RL9F RY7G W9XY	240 AB4I EA6ET IZ1LBG K0JUH K0KT K1DG K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA	
258 JH1GZE KW9A KY7M N8TR RN3CT VE3QAA	251 AB3CV DJ7RD DL9RT JH0BBE PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IZ8FFA JA0CRI JA1HGY SV1RK	239 AJ6T IK0YUT IW1ARB K1HTV KH6AT LY3UM RN3QN RU3QR	234 IK6FWJ JH1HGC K4UTE KF0QR PY1BVY VE7IG* W7AO
257 AA1QD K1GUN K9NW N4II W3DF	250 HB9RG IK0XBX K2FF			233 DF6PB IZ4BEZ* IZ8FWN K0CS K2UU

KA7T ON4GG SK3PY UA4HAU VA2WA W1TC YO7LCB	227 DL7HU ES1RA IK0HBN JA1UQP JA9CHI K1FK K3NW N6JV SP8NR W9BF	UR5FEO ZS4TX	IK1YDB JA6LCJ JA8CDT JH0INP K0EU K5UO LA4GHA UT4MF W5PJR	K1ST N1ZZ NA2M* RU4SO W0LYI W1FJ W2WG W3YY
232 9A8A EA1N FK8CP JA8EAT K2AZ K4XL NI6T UA3AP	226 DL5WW JA6BZI JF2KOZ JJ3PRT JR6EZE K9FD* LA7GIA MM0EAX SP3CGK US0SY UT5JAJ VE6WZ W0VTT	222 IV3JVJ JA2FJP K3SV K4MWB K6EID K8FH K8ZTT N4PQX N5AW N5JR N8PR N9BX SM0CCM	217 9A2NA DM5EE JA9PPC JH1IFS K5PC ON6YH UA3AGW WP4U YV1DIG	212 AA9A DL9GFB JA9FPI K4MQG K8ZH KE9I KG6I N4MM NX0I SM5CZQ W1ECT WA5VGI WB9CIF
231 4X4NJ HA9RE JA2NDQ KD0Q N6AR N7NG ON4ACG W9IXX	225 A45XR EU1KY JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ VA5DX W7KW	221 IZ8VYU JF3KON K8SIX LB8DC N6VR OZ1AXG VE3LYC W1ZK W6JRY WS6X	216 F6DAY K3JGJ N5UL OE1ZL RA1QD RZ0AF W0GJ W6XA YU3AA	211 EA1RT EA5KA IK4DRR JA4DEN K3WA RU3SD
230 JA1CMD N8JV SM3NXS W4GF W4VQ	224 N0AV N8BM* SP5INQ VK6VZ W2RQ	220 AG8B DK2NG HB9LCW HL5IVL IV3RAV JR4OZR K4NA K5EJ KA1R VE3EXY	215 G0OIL N7JW RA3S W0UO W2LK W6YI WS9V	210 I8SAT JJ2LPV K0MN* RV0AR UW7LL W7JW
229 CT1FJK DJ4AX E72A I3BUI JA8FKO JI1BEX K4HB KV7K OE5NNN RO7T WB6RSE	223 AB0X DJ8NK HA7TM JA2WYN JH2TPI N1LN RT6T SV2JAO	219 AD5A IK3VUU JA2FBY K6TA* LA7JO OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA JA2IVK JA2JW K1AM* OK1DX RN7G W4NL	209 DL5CF HB9CXZ HB9DDZ JA0UUA JF4VZT K5RT KG9N N9LB PY2BW VE1DX W0AIH* W0ZR W6PBI* W7KNT W9OO
228 AF9H AI0O N2WK NT0V* OH2BEN SP7GAQ		218 DJ4PI DK0PM	213 DF2IS EI3IO HA1RW JA7MSQ JF6DSZ	

208 G3NSM I4LCK JA2JNA JA9NFO K2FU LA7HJA N5ORT PY2XB RU3ZX RX3APM SM5JE* UN5J UY1HY W6PJ W9EWZ	DJ5AV F4BKV IK7NXM JA5AQC K2NV K4JJW K4XO K7GM KK4SI LX2A N4NX N4QS N7FU SM2OAN UA0SR US6EX W2HUV WD8PKF WF4U WI8A	DL1EJA G0BNR JO7WXN K3HP W0MHK W2IRT W5TCX XE2X	UA0SC W0FS W4UM	RN9N UA0CA W0RI* W9MU WA2VYA WE9R
207 DF2GH K1DT K1LPS K3JT K3LR K8EUR K9YY KB8VAO N9AU* US0KW W0LS	203 JA2XYO JE1PNX JF1PUW K9MMS KA1J KK2I PA0A R6AF W7DO W8GC	200 IK0FVC JA1GTF JH2RMU K1GE K8NVR LA5YJ OH2IS RW4NN RW7M SP3FAR UY0ZG W0DD W3GG	196 4Z4DX AA4HP IK4PLW JA3RAR K0BBC K8PO KP2A ND0N RA9CMO RZ4FO W2FCR WN6W	192 AD8P* K3FN K4FJ K5XX K9EU KF7PG N4DB W3UA W8LGJ
206 IK0IOL JA3PIS K2VV K5AQ K5MC K8AC KC6AWX* N8DJX NK1K OH1TV SM6BZV VE3BW	202 DK2LO DL1MGB DL2KQ DL9DRA HB9DDO JA0EOK JA3CSZ JH3VNC JI2KXK K1GG LY1G N5ZM N7KA OK1DOT R9TO UA9FAR W1NT ZL3IX	199 JA2DPC JA4PXC K6GXO N4DW W1TO W3YQ YO2DFA	195 EA3JL EA5RM G3ZEM JA1EOD JA1XEC JH1RFR JN7FAH K7SO K9RT KF8UN LA0FA N1SV W4FC W9OP	191 CT3MD HK3W K8FC K9LA RK2FWA WA3C
205 F6EXV I4KDJ JA3AAW K9US KA9FOX W5ZG W8UN WA2HZO WB8ZRL	201 AG4W CU2DX DK1FW	198 DL1ROJ G3UJE G4BUE I5KKW IT9JNR UT5EL W8HB	194 I1JQJ JA7JWF K0JGH K4KDX K9JF KB9LIE NE1B W2LO WD8JJA	190 AA1ON CT1FPQ IZ8XQC JA1DUH JA1MCU JA2LCP K2TE K9KU KB0EO KB1EFS KM1D N4XU N5GH SM0NJO SP2LNW VE7VV W9AJ
204 AA5AM		197 G3SNN JA0VSH JE1BMJ JH1QAX JH2UVL K3KO* K3PA LA7AFA LA9GX OE4PWW OE5FIN ON4CD RZ6FA SM7GIB	193 CT1IUA DL5ZB DL6ZXG EA3WD HA5BSW JA1ANR K4ODL N5LZ N9EN PA0LOU RN1ON	189 9A2F CT1FMX EA8PP FM5CD K4CN SP7HOV UA7T W5DM* 188 AB4IQ

JA1KQX JA8DNV KE9ET KL0S N8LJ NN2L RM0F W1YM W6SR W8JV WA6YEE	W2YJ 183 IT9INO K8RRT K8VC N9MB ON6SAS W2FP W8NW 182 DJ9ON DK3UA JA1SHE JL1SAM JR7BDQ N3OC UR3EO UT5UT* 181 DK3WW JA2BDR JA9TWN JG0CQK JN4MMO K2EP LZ2ZG VE3OSZ W1RM W6NWS 180 4Z5MU DM2DXA DM3VL EA8JF IK4ADE JE2URF K6SSS K7BG LA9AJA N1RR N4AH ON5FP SP1MGM W2OR W7BEM W8TN 179 IT9ELD K0TT K8WK KI5BLU N2PK	OK1MG S57UN SM4DDE SV3FUP W8KEN WC4X 178 4Z5CX EA3CJ JA4MRL K2UR K4RG N7XR NE0U SM7DLK SV1JG W7MEM ZS1LS 177 9H1SP AE5E CT1GFK K3WC K5GKC K6ZZ K9NU OK1DWC PY5EW SM5FUG SM6DHU UN9L W5LT W7FI WB7B 176 EU1AB G0BLB I6FLD IK0AGU JA0DET JA5IU JA6BJV JA8KSF JS3CTQ K8MN N5OK PE1L RL3FA W4BP W4GD YO7NE 175 JA1CHN	JA1PPW JA6VQA JE3ENP JH2QMT JH7CFX K2KA K4DLI LA5LJA N7IR TF3SG VE3FF W8HC WA9PIE WX0V 174 HB9TKS JA0GJJ JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K1KI K2PLF* K3AJ K4TR K4WS K4XR N1EN OE1WHC RN7F UA3LNM W8UV W8VVG WT8C 173 5B4ALJ JE2LPC JG3IWL K1NTR K9YC N5FG RC9F VE6WQ W3IP WA5YNB WB0TEV 172 EA7TV G3NKC HB9FMN IZ5MOQ JA3FGJ K0DEQ	K1BD K6FG KJ0M W3JX W4FQT WA3AFS 171 AA9D DL6KR G0EHO HA9PP JA6HUG JF1WPB JH6QFJ JR1TNE K1NU K2FL* N0RN N7RO RA3DNC SV1LK SV2AEL W7Yaq 170 DJ6TK IK0PEA IT9DSZ JA6JPS JM1GYQ N4PY SP3GTS SV3KH W9EVI WA0MHJ 169 EI6FR IK2EGL JA1ADT JH7IAJ JR1IZM K1LI N4XX N7US RN3OG UT8MM UY5AA W6RW WB3JFS 168 AA6AA G3MXJ I2ZGC JE7JDL
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JF2UPM	K5JZ	DL6RAI	JH1TWT	155
K4XD	KK4CB	G4GIR	J11FXS	DL1RK
K5QY	N4HB	HB9DHK	J11NJC	DL4SZB
K8RYU	SM4CTT	IK0FUX	JR1GJP	JH4HMG
K9MBQ	W5BN	IZ3ENH	JR3OEH	K2LS
KR4F		JA1DOF	K5TT	N2ZN
N4QQ	164	JE2DZC	K9GA	NE0DX
N8BJQ	DL6MRS	K5GO	KQ4AV	NW7E
PA7F	GU4YOX	K8ND	OZ1HX	SM6VR
SP5GH	HA7UW	LB2TB	RU6M	UN7LZ
SP6EQZ	HB9BZA	N4GN	SM4EMO	W2XI
W4SVO	JA1RTX	OE5RLM	W0SZ	ZS6EZ
W6VX	JA7ZP	OH6RA	W1OX	
W8OI	K1NJ	VK3HJ	W3GQ	154
	N5WA	WE1P	W4QN	3V8SF
167	RA3ZH	YU2TW	WS5W	F5LVL
CT1FCX	W4DKS	ZS5LB*		GM3PPE
DK5AD	W4NS*		157	JA8NFV
EC3A	WP4G		AA4H	JL1UXH
JF2XGF	WW3S		AB9V	K0KVR
K6KO			AC6DD	KR2Q
K8NK	163		CU2AP	NX8Y
N0IJ	9A2JK		DL4MM	RN3TT
N3BNA	9A4W		EA5BY	W1NA
OH2BLD	AA8CH		G3TQZ	W5DNT
PA3C	DJ9HX		JA1GHH	YS1RR
RA1AOB	IZ4DPV		K0QC	
S51EC	JE2LUN		LY5A	153
W1YW	JH4CPC		N3RC	AJ9C
WA4LOX	K1USA		N5MOA	DF2RG
WC5N	K7NN		NE9Z	DL1DUO
	K8TL		RU4UR	DL3ZA
166	OK2QA		SM3PHM	G3TJW
4Z1UF	RW3RN		SV8ZS	HL2CFY
DJ4SO	UR4CWQ		W2TA	JA2VQF
IV3TDM	VE3CFK		W4TV	JA5XAE
JA1FNA	W7AL		W5GZ	JF1IRW
JA9LJS			W7TVF*	JH1NYM
JH2SON	162		WS7L	JR1XIS
K1KA	4O3A		YV2IF	JR9OPJ
K3KY	F3AT			K7SP
K4JLD	HB9BUN	159		K8VFX
K4PB	JA6GIJ	JA4FKX	156	LZ1PM
K4WA	JH4ALY	JL1RUC	FM5BH	N4TV
K4ZYU	JR5JAQ	K4RO	IZ8IEV	N5TW
N9FN	K1CA	OK2ZV	JE3GRQ	N5XZ
NY0V	LB6KC	UN7JX	JO7HAM	N8II
RM3DA	N8MR	W3HKK	K8YSE	R9OK
W0DJC	VE7SL	W6BJH	KD0PO	SM6CLU
W1RR	W0HT	W7SX	KS1J	SP5CCC
W8ILC	W0TT	WD5BJT	N3UA	UT5UY
WA8TXT	W1LW		N7WS	WB8BPU
	W2XL	158	SP5IWA	WJ4T*
165	W8WEJ	DJ4PT	SV1CNS	
DL7UCX		DL1FKA	UA3SAQ	152
F6HDH	161	E70T	VA3LX	EW2A
JE7RJS	DK2GZ	HB9HFN	W1YIF	HA1RB
		HB9SLO		

HB9RYZ	N3QE	146	N3KK	JH4JNG
JT1CO	N9CO	EU4A	SM4OLL	K2RW
K9MK	OE8SPW	IV3KFB	SM5CLE	K6KLY
KS3F	ON6AA	JA1HQG	W7ZI	K9GWH
N9OY	OZ3SK*	JA4DHN	W8GNM	SV3FUO
NA5C	SQ5EBM	JH1GNU	W8RLS	W1AX*
OH1JP	UA6YW	K5KV	WC5M	W3BW
S55ZZ	W4GE	K5SM	WD5T	W4JVN
UA6IGI	W6DAO	K7WP	YO3CD	W4VIC
UT5AB	WW2DX	N7BT		W8HW
VE6LB		NJ3K	143	
W1SKU	149	OE6VIE	DL6EN	140
W1VT	DL7CX	RU0SN	IK8GYS	9A1CAL
W2/CT1GIF	HB9CQK	W1IZL	IT9BLB	HB9FAN
W2RS*	IK4FNF	W1ZT	JH1HHC	JA0GCI
W6RLL	JL1ARF		K7CMZ	JA4OK
W7AJ	K3TN	145	K7CW	K5WK
W9JJB	K4YYL	AF4HX	N2RJ	KF8DX
WB3CQM	K6NR	HI3T	N5UW	N4XP
	K7HP	IT9ZZO	N6PAT	OH6NIO
151	K8ME	IU0HDC	NN4R	ON7DR
AA7G	LB5WB	JE6TSP	VE3CV*	UN1L
DK2OY	R8TX	JH7RXU	W0IZ	VE6SV
EI9JF	SM6CUK	J11DCW	W6QUV	W0SEI
F3SG	UW7UA	JJ3HGJ	WB8CQV	W4NU
JA6BEE	W0GG	JK1AJX	WB8ZRV	W7IV
K2AX	W7HPW	K3VAT	WD9DZV	W8LWU
K2FW	WB8B	K4OY		WO2T
K8ROX	WD5K	K8BL	142	YL2MU
LA6OP	YO3DDZ	KF6HI	AB9M	YO9FNP
N5JB		KM3T	I5HOR	
N6PSE	148	KR0P	JA2ATE	139
OK1ATP	DK2CC	N1CGP	JH0BQX	DF7EE
RD3A	F5CQ	N4GG	JR7WFC	DJ4XA
RU3A	F5PAC	N8OC	K3PP	DL5EBE
S54A	G4FTC	RT0F	K4WZ	DL8OH
SP7AWG	IV3VBM	SM3DTR	K6EME	DS1JFY
SV9AHZ	JH1QDB	W5ADD	KK1W	JA1TMG
W7CT	N2WB		MM0SAJ	JK1EXO
W7RH	NE3F	144	N7QT	K2RET
WA1Z	W5FIX*	CU3EQ	NA4D	K3ANS
WA2BCK	W5FKX	DL5CW	NQ7R	K6AM
		DL5KUA	NY2NY	K8GI
150	147	EI6IZ	OK1DO	K8RF
EA1AF	JA1XQC	GM3ITN	W2CG	KA8SYV
I0JBL	JE1FQV	HB9BYQ	W2OO	KU0A
IZ0RVI	JN1BMX	HS0ZEE	W4WT	KZ5DX
JA1SVP	JR2LJO	I5MXX	W5LUA	LA8WG
JA2NQG	K8UT	IT9GSF	W5VQ	NA5DX
JA9RRH	KM1H	IV3DXW	WA5POK	OH1ZK
K0RS	N1IBM	IZ4GWE		OK1MP*
K1OA	PC3T	JA3GN	141	SM5CBM
K5TR	W1OP	K0VSH	AC9S	SP6JIU
K5VWW	W2KKZ	KJ9C	DL5MHQ	SV8ZC
K7LV	ZS1C	LA9VFA	EW1BA	W0SD
K8AJS		N1IX	HB9FMT	W9XQ*
KU4XO		N2WM	JA1PTJ	WA8WV

138	W1OPD	UA9OR	IK3XJP	JA8JO
DK8MCT	W2OIB	W4JKC	JA0AOO	JH3CUL
DK8YY	W6DR	YU1AM	JA2TBS	K6XM
DM2RM	WB7QXU		JG1DUZ	K8DV
EI9FBB		133	JH4ADK	LB7ZG
F6DDR	135	9K2NO	JI4POR	N0YY
IK8EPC	5B4MF	EU1U	JJ1TEA	N2BJ
JA3OOK	AG1A	G3UHU	JM1FHL	N3KS
JF3LOP	BA4RF	G4XEE	K1UU	N3RR
K1RO	DJ9ZB	IK5DNF	K9DR	OE3SGU
KJ6P	DL9FCY	IZ8DFO	KC2LSD	PA3EWP
OZ8X	F6FXU	JA6CBG	KH2L	SM3BCS*
PY5EG	IK2SGB	JA7GLB	KM3V	W0YVA
RW4CY	IZ7EVZ	JA9AGN	KM4H	W7QHE
UN7JID	JA7LGE	JR6FC	N3MK	W8MET
V51B	JA7LMZ	JR7FRW	N4QWZ	W8MK
W1GD	JA8BNP	K2CDJ	N5PHT*	
W2YE	JA8JL	K6SIK	N6RK	128
W4YV	K1ZE	KU2A	N8NA	AA4SC
W7OM	K4TT	OE1KM	ON4ON	JA1XCZ
	K4ZRJ	RA5BM	R0SR	JA2AHH
137	K7FL	UQ2PZ	R9MJ	JA2KSP
EA1YO	KX4TT	VE3WT	R9SA	JA4KDT
GM3YOR	NZ9R	W0NFL	S51NM	JA9AA
HB9IQB	R3VA	W2QO	W7JY*	JE1LFX
IZ2FOS	R7LP	W5AJ	W8DCH	JH4GJR
JA3APU	RK2M	W6RKC	W8KA	K0FF
K2QMF	RN3RQ			K3XA
K4JKB	SM3LGO	132	130	K4JAF
K7XB	SM5CZK	AA4NC	CT3KN	K4SE
K8NS	SP3XR	AD6W	DF9ZW	K6LPO
RA3CO	SV5DKL	IK3VBB	E73M	KG7CW
RG7G	UB3A	IT9RDG	EI2JD	KM4NS
UU1JA	W1DIG	JA3DY*	G7VJR	N5KM
W1ITU	W2GD	K6YUI	HK0HEU	OZ1IKY
W5ODD	W4BUW	K9ZM	JA2FBC	R9SG
WB5JID	W4MBD	KO8SCA	JN1RQV	S53X
WE4S	W4RFZ	N5ZC	K2MYR	S55DX
	W6JTI	N6HY	K3NK	SV3DCX
136	134	OZ2RH	K7LFY	US8UW
E72U	CT3HF	SM4BZH	K8BCK	VQ9LA
ER0FEO	IK4DCS	SM6BGG	K9GL	W2WC
IK8CNT	K1TO	VE3CRG	N9RD	W4IS
JA2KVD	K1ZN	W4AXL	NA4EA	WB0O
JA5FDJ	K3OX	W4RBO	NO9E	ZS6UT
K0TV	K5VIP	W4WM	OZ2ABI	
K4ZO	KS4YT	W5SL	R5QA	127
K7TM	N9MR*	W7AH	R9AB	AC9EM
KR6C	N9RS	W7CD	RU1AO	HB9EFK
OK1DW	OE1TKW	W9FR	TA1CM	HK1MW
SM3GQP	ON4CAS	WB3D	VE3DO	IK0LNN
SM5OJH	PY5HOT	XE2S	W2MPK	JA1DDH
SP2BMX	RG6G	ZS1A	W9ZT	JA1WLO
SP6M	RX4HW			JA8RJE
UT3UZ	SM0BYD	131	129	JA9KRO
UW8SM	UA0ACG	DK7YY	HB9AZZ	JH3AIU
W1EQ		HS1NGR	JA1NWD	JS2LHI

K0RW	N2KA	K6FW	DF1DB	SV1IW
K3TRM	N3EN	K7UT	DJ8ES	UR5IKN
KV4T	N4JT	K9CS	DK1EI	US1CT
N1AC	ND5S	N2ED	DK6CQ	W2YR
N1GC	NW6S	N4DWK	IT9AAI	W3OA
OE8HIK	OE1AZS	N6HC	KD8RQE	W4PRO
SK7AX	RA0BA	N6MZ	KG9Z	W6RFL
SP6A	UR9QQ	N9JV	N0OK	W7RN
SP7ASZ	UU7JM	N9LQ	N1JP	W8FIB
VE7BV	VE3UTT	NA2P	N3ND	WA2USA
W0CP	W5DAW	NA9RB	N4TL	WB6CJT
W0RT	W9CG*	S50B	N8PW	WC2K
W3BG	W9DX	UA3DK	SV1AHX	ZL4AS
W3FOX	WT4Q	UT3QU	SV1FKZ	
W3MF	WV4TN*	W1AO	UQ1GWW	119
W8LMG	YO2RR	W4NF	UT4EO	AA3AZ
XE1KK		W8NJR	UU2JQ	DK3GG
	124	XE1H	VA3AYA	DL9OBY
126	AA7XT		W0QQ	EW4M
DG7RO	AB1OC	122	W2GG	G4DJJ
DJ8WD	AJ4A	G3NDC	W4UCK	HB9AAQ
F8BPN	J11DHY	HB9DHG	W6XI	HB9BCI
G4IUF	K5UZ	IC8SQS	W9XX	I2TZK
JA7KY	KD2T	IU0LFQ	W9YE	I4MKN
JJ1DWT	KD4POJ	JA1MRM	WA1PMA	IK0ZIO
K2HAT	NA2U	JA2HYD	WY1G	IV3HYD
K2ZD	PA0TCA	JR3UIC	XE1VIC	JA3AZD
K4XU	UA0BA	K1BZ		JA4XGC
N9DED	VA7CRZ	K1ESE	120	JE2JMV
OK3CQD	VE1DUN	K1YT	9A5F	JH6CDI
PA5TT	W2JU	K2MP	AA5JF	K7EG
VE3CX	W2RIJ	K3NF	AL7TC	K8KWT
W8REW	W3FM	K7ZA	DL2VWR	N0KV
W9ILY	W6CYX	LA7WCA	FG5FR	N4DJ
WB2REM	W9FI	LA8PT	HB9BLQ	N9UA
WD4LBR	WB8K	N3NR	IZ0LKV	NT2A
YU1EXY		N9AW	IZ5NFD	NY7T
	123	NN7X	JA4EPE	OH5NG
125	AC4TO	OZ3Y	JG3LGD	OK1DT
9A1AD	DL7JRD	RD4A	JR6LLN	R6FFB
GW3TMP	EI2GLB	SP9WZS	K2BA	SV1ACK
HK4SAN	F4GTB	US0YA	K2HK	W4HZ
IW0HEX	G4WFAQ	UU4JMG	K3QIA	W5JMW
JA4IYL	G5LP	VE3YF	K9SG	W5QP*
JA6VU	HB0WR	VE6AX	KA8ZPE	XE1RCS
JE1TSD	IK2CHZ	VK4CAG	KP4AA	
JE6UWU	JA0CRG	W0RX	N4BAF	118
JF2WXS	JA1SJV	W2TB	N4LR	5T5PA
JH1AGU	JA3MHA	W3RJW	N4TB	AB2E
J14WAO	JA6WJL	WA3I	N4UFP	DL5OCE
K1HAP	JR1EBE	WA7BNG	NA9Q	JA1OVD
K3FRK	JR2UBS	WP3R	OE3EVA	JA4FHE
K5KG	K2PK		OZ2A	J18DGO
KA6BIM	K3XO	121	PZ5RA	JN7DOS
KI4WCQ	K4ZIN	AA4DD	RL3BZ	K3WGR
KV4AA	K5GH	AA6RR	SP3PLD	K4CNW
LZ1XL	K5JC	AE3T	SP7ITB	K5XM

K7PI	UR9IDX	K4GK	XE3ARV	HI8R
K8LN	W3ICM	K8YTO		IK2ANI
K8WVA	W4ZRZ	LY4T	113	IU8FRE
K9FN	W6SL	N0IRM	9A1A	IZ4DIW
KD6UO	W8ZR	N4OA	DJ5DT	JA1SXR
KG8CW		N8KOL	DL1HRN	JA7BXS
LZ2HM	116	N8NN	DL8CM	JR7TEQ
N2MM	AJ4F	N9ISN	DL8DYL	K0CA*
N5BO	DL7URH	PA3AXU	DL9GTB	K0JPL
N6MB	EA5BRE	RZ6MJ	G4AFJ	K1EO
PY2PA	HA7PF	SP7JLH	IK8UHA	K1KO
SV9COL	HB9CEX	UA1ANA	JA4ITW	K4MS
TA2RC	IK0EIE	UA1CGS	JH1ORA	K4NNX
TZ4AM	IK2OHG	UA6XT	JH9DRL	K4SAF
W1KSZ	IK7YZG	UN6T	K0TPP	K4UAS
W4DAO	IT9TQH	WA8MCD	K8SL	K8CC
W4MAY	JA1WTI	WV9L	KA4RRU	KB2FCV
W4NJ	JE2EHP	YL2CZ	KH6DX	KM1C
W5VY	JH3GCN		KI0G	LA8HGA
W9HBH	K0GD	114	KI4DLS	N4ZY*
WX3P	K1DC	BA4DW	KT1J	N6MA
YO4AUL	K1RI*	BA7IO	N6PE	RU4SU
	K6RO	CT3FN	N7KO	SM3DMP
117	KT1V	CU3AK	NA3F	UA1ACG
9K2OD	N2WLG	DJ9RR	NI5F	UA1CEI
9Y4VU	N4IQ	DL6NB	PY7DJ	UT6UD
AB4GE	OZ1LCG	DL6UAA	R7NA	VE7XF
AE0P	PA0JSE	F6CWA	RA4UN	W1HEO
BH4IGO	RV3ID	G3SDL	RZ3AUL	W2CVW
DL1DWT	UA4PCM	HP3TA	SM5ARL	W2SKI
EI8IU	W1ENE	I5OYY	SP3EPG	W3UL
G3LAS*	W1WEF	JA4BXL	SV1JFV	W3XY
G3PLP	W7GG	JF2WGN	SV2AVP	W4VHF
IT9DAA	W7OEV	JH6WMJ	UN7TW	W5VX
JA1HQT	W8LRO	K1RV	VE3KI	W6KK
JA4FM	WA4CEM	K2DC	W2GW	W6TC
JA7GYP	WQ5L	K3MD	W6BK	W8GEX
JA7IC		K3OSX	W8FAX	W8HMK
JM3GXU	115	K5CD	W9VNE	W9SE
K2BB	C6AGU	K5RJ	WA2BOT	WA8OLN
K6PJ	CU2CE	KB8U	WA4DOU	ZP6CW
K8OOK	DL5CL	KZ4V	WB2HJV	
K8QM	DL9GOA	N1QY	WB4TDH	111
KV1J	G8BCG	N3MN	WS4C	AA4U
N2JJ	G8DX	NG0G	ZL1BYZ	AF4OX
N4IR	HA5UK	NK5B	ZS1J	CU3AN
N8AA	HK3PJ	NU8Z		DK2WH
N8XI	IZ0CKJ	UA3FT	112	DK6ED
N9HF	IZ7JVR	W0VX	A92IO	DL6JZ
NY4G	JA2KNW	W3MR	DJ1RL	EV1R
NZ3M	JA3NHL	W4TUN	DK5RL	F6ECI
OH8LXT	JA5WIZ	WA1FCN	EA1JO	G4DBN
ON5UE	JH1RFM	WA9YYY	EI5GSB	HC1BI
OZ5HP	K0SD	WB2UFF	EW1DO	HL3GOB
SM7BIC	K1EDG	WN9O	G3XGC	JA1AUD
SP8HKT	K4CMS	WT9U	HB9CRV	JA1FGB
UA6J	K4GHS	XE1RBV	HB9G	JA1NCZ

JE8TGI	N2CG	UT7KF	W7JET	W6TDX
K0FLY	N3HBX	VU2CPL	W8IW	W8VK
K5WAF	N3IQ	W1LE	W9NIO*	W9CPV
K7ORK	N3JB	W5WP**	WA2ALY	WA0RVK
K9AJ	N4KE	WB5TUF	WA8MOA	WB8ART
KM1R	N9PGG	WN0L	WB8BZK	XE2YWH
KZ0X	NC6K	WS1L	WC1M	YL1XZ
LA0CX	NK7C	YV3AGT	WC6DX	
N4WJ	NY4I		WD9EQU	106
N7BD	RD9M	108	WW1WW	AA4FL
NA1DX	SM5BHW	AI2Q	ZL3RJ	AE2U
UR6QA	SV1VS	AL7R	ZS2DL	DF7GG
VE6KC	UA3O	DL6CNG		DJ6OZ
VE7CT	US7MM	ER1LW	107	DL2NOM
VE7UF	W0UY	G3VAO	4Z5LA	DL3JSW
W0VHF	W4DC	HB9BAT	DK3FB	EA1CP
W1FO	W4NE	IK0PRG	DL1QQ	EA3CCN
W4HOG	W5ZPA	IZ0BTV	DL2CHN	HA8DZ
W4OX	WL7E	JA2MOG	DL5XU	IW3GJF
W5AQ	XE1FAS	JH7XPW	DO4DXA	JA1VLK
W7VS	YU7AU	JJ2PIK	EA5AT	JA2MNB
W8MIL	ZL3NW	JK1MZT	EA7QW	JE6IGP
W9RB		K0MD	FG8OJ	JG3HBO
WA1S	109	K1EP	G4AKY	JG5RVQ
WA2MUA	EA3GHZ	K1XM	G4RGK	JH2KKW
WB9EEE	EU4T	K2KQ	I5IHE	JH6PFY
WU2M	F8EZE	K2MK	IT9XTP	JJ0NCC
YL3DQ	G3SVD	K4WY	JA4EVN	JR0EQQ
YO6HOY	IW0HQE	K6UT	JA5EY	K0DEW
	JA2CXF	K8OM	JA6OXT	K0LB
110	JA7SFD	KD9HL	JA8JTH	K1PX
AA4UC	JE1SYN	KM8AM	JH7BKN	K4DSE
BA4MY	JF2VAX	KN4JX	K1TZQ	K5AM
DF1KG	JR1BAS	KX2A	K3SW	K5FUV
DL1VDL	K2CJ	KZ1W	K3YBN	K5ZQ
EA5BYP	K2ONP	LU2DKT	K8LBT	K8JJC
F5BAR	K4RDU	LZ3YY	K8ZR	KK8X
G3LNS	K5FZ	N2DPF	KE2R	KK9H
G8AJM	K5KA	N4MEC	N2RR	KQ3F
I2BBJ	K5KPE	N6RFM	N3DAP	N0JZ
IK5RUN	K6MW	N9SF	N6EE	N2CW
IZ2EWR	KA9UVY	N9TF	N8AGU	N2SQW
J68HZ	KE1F	NU4Y	NA5Q	N3XM
JA7EPO	KL7RA*	OH4UI	NE1F	N8AID
JE2UFF	N1BZ	PA0ZH	OE1CP	NA5Z
JH1VHU	N4RF	R5FY	OH2OT	NI5M
K2BLA	N7TY	R7LA	OK2BUZ	NS3L
K3JRR	ND4V	RA1OHX	OK3CQR	OE5CSP
K3PH	NN4RR	RX6DX	R0FA	OK1AYU
K4WW	NU4I	S57J	RN4AA	OK2BVG
K4YJ	NX7U	SM6AOU	RV6ARZ	PA0GMM
K6MI	PY5CC	UX7UN	SP3BQD	S57AL
K6VKO	RW4UU	UZ6LWZ	SP6AXW	SP5JXK
KB1HY	RW9QA	W2UB	US5CB	UR3CRO
KB4MRX	RX3AGD	W3NRJ	VE3OI	UT7UU
KB9DAK	TG9NX	W4ZYT	VK3NX	UU5WW
KC2STA	UB5ZAL	W7ACD	W3KB	V73AZ

VQ9SS	PJ2/K8ND	KA2BZS	DM5TI	VE3VV
W1CWU	PY2DS	KH6KG/W5	DS3HWS	W0QC
W2EQ	R6YY	KI0KB	EA7SG	W0UVC
W2LE	RA6AF	KW0A	EU6MM	W1CTN
W2NO	RD4WM	LZ2XF	EW3LB	W4AVY
W4IR	SM0CXU	N3ER	G3BDQ	W4MZ
W5JAY	UA6LCN	N3TR	G3OIL	W4TMR*
W5KI	UR1RWX	N4GU	G4AAW	W5THT
W8OP	UR2RGN	N4TTE	G4PUQ	W5VU
WA4MYO	VE1PZ	N6PF	G4VGO	W6SZN
WA6TLA	VR2MY	N6WM	I0OSI	YO7APA
WQ5W	VY2ZM	N8MZ	IZ0BVU	
YL2GN	W1LY	N9DR	JA2GQO	102
YU3EF	W1MRH	NJ9C	JA2OLJ	A6/RV6LNA
	W4OWY	NN3Q	JA3FHL	CT4BD
105	W6FF	RA1QX	JA8EJO	DK3QM
DF2PI	YU1NR	RU3UR	JH1DGQ	DL1TRK
DF8AA		RZ6DX	JM2RUV	DL3DXX
DJ3XD	104	RZ6LB	K0EOO	DL3NCR
DJ6KH	9M2AX	SM5CCE	K2UVV	DL4CW
DL2AYK	AA3LX	SM7CQY	K4LQ	DL4KUG
DL4ZAB	AD1C	SO5AS	K5JUC	DL5RDI
DL6XK	AG4Q	UA9FGJ	K7BTW	EA8AKN
DO1CTL	AH0U	US5CAO	K8CCV	EI4DQ
ES1GO	CP8HD	UT4EK	K9MUG	EI6GF
G3YUV	CX3CE	UT7EC	K9XJ	ES5RW
HA8FW	DK3BK	UX4UM	KE1IU	F6BWO
JA1BWA	DL4FAP	UY0MM	KJ4R	FM5WD
JA1JAT	DL7UPN	VE3VHB	KJ7WY	HB9AHL
JA1TAA	E73D	W0YBS	KM9E	I8LWL
JA6VA	EA8ZS	W1QA	KQ5M	IK4AUY
JA7BME	EI9E	W3DRY	LX1DA	IT9SFT
JA8RRF	F6AJA	W3TMZ	N0RU	JA0HXV
JA9APM	F8GB	W5BK	N1HOQ	JA8OW
JF1RYU	G3BRD	W5CWQ	N8HRZ	K0YN
JO4CFV	HB9CIP	W5GJ	N9BBQ	K1PTF
K1DJ	HK3O	W5RF	NU1T	K2LP
K2XF	IK0DWN	W5ZO	OH3GD	K2TK
K5AV	IZ4MJP	W6PH	OK1DQT	K3KG
K6DJ	JA1SDV	W7DR	OK2BQU	K4AQQ
K7OX	JA1WSK	WA0I	OK3BRK	K4KAY
K7PO	JA2FGL	WA3PTF	OZ7JZ	K4LM*
K9RO	JF1EGO	WA9ETW	R9GM	K5ZO
KI5T	JF6WTY	WW5G	RA0FA	K7BHM
KT2E	JK1BSM	YC0LOW	RA4HT	K7UA
LZ1JZ	JO1W XO	YO2CMI	RK3QY	K8BHZ
N4JI	K0WK	YO5ODE	RU3OW	K8OQL*
N4NW	K1BG		SM3CBR	KJ6NZ
N4PL	K2TER	103	SM6EHY	KN4KL
N4SC	K3FM	AA2VG	SM7BHH	KW4BY
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N6NU	K4MF	AI3Q	US2WU	LA3ANA
N7DR	K4VIG	DJ1MM	UT2AB	LA6UL
ND3L	K5HK	DJ3GZ	VA2ZO	N0ODK
ON7PQ	K6UM	DJ7PI	VA3IC	N5RZ
OZ4AAL	K7TJR	DL2HX	VE3EDY	OH2EA
PF7M	K9EA	DL8YRM	VE3MFA	OK1DTN

OK1JDX	JA1VVX	SV1PL	IK0HFO	N6PM
OK3CSQ	JA2VMU	UA0FDX	IK4MSV	N7TK
PA7TWO	JA6TMU	UG6GAW	IS0/YO3RA	N8IL
PV8ABC	JE1PHH	UR5WIF	IT9CVO	N8NB
PY2DO	JF1RPZ	UR7CQ	IW0BYL	N8OQ
R2AB	JH3HGH	UT1CC	JA1BRK	N9ADG
R3IS	JH3PRR	UT4IS	JA1CPU	NA6O
RU3UN	JI3KDH	UT7HA	JA1ILA	NB3R
S59DJK	K0LW	VE2OJ	JA4FSH	NG7A
SM6WET	K1YR	VE3ARF	JA5DQH	NJ3I
SP5MXZ	K2BX	VE3XB	JA9CGW	NN4SS
T77V	K3SEW	VK2GR	JF3DRI	NV4B
UA1AIR	K5DNL	W1FC	JS6TWW	OE5JDL
UA1CKC	K5WE	W1GF	K0SRL	OK1DXD
UA6HOF	K6AAW	W2SF	K0XM	OK2PAZ
UA9MR	K6XJ	W3WH	K1NA	ON4ANN
UA9UCO	K7AR	W4BUE	K1NZ	ON7EH
UW7CN	K7IA	W4PM	K2CBI	ON7GB
VE2FYR	K8BN	W7AV	K2CYE	ON9CC
W0JMP	K8YYY	W7CB	K3TZV	OT1A
W1AW	K9JU	W7QC*	K4FT	OZ1ZD
W1PV	K9PG	W8GB	K4KGG	PA0INA
W2LW	KC4PX	W9MAF	K4KSY	PA7RA
W2TX	KD3UY	W9ZCL	K4QS	R3PJN
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W4ALF	KE4S	WB3HLH	K7VIC	RA3SD
W4KK	KF7NN	WC4H	K8BZ	RA4LW
W5TO	KN6J	WK9U	K8CR	RA6XB
W7IUV	KQ1F	WR2G	K8CS	RC2A
WA0IDK	KS4XQ	YO2OXD	K8LE	RN1A
WA1SXX	LA2GV	YO6BHN	K9NZ	RT5A
WD8DSB	LZ1XZ	YV4DYJ	KB0EL	RU3GF
WS4Y	N0STL		KC0V	S53MJ
YO2IS	N2AJ	100	KC4D	S59SV
	N5AQ	9M6YBG	KC4NX	SM5AHK*
101	N8AG	A41ZZ	KC5LT	SV1FJP
AA4NU	N9JCS	AA4AK	KD8BZY	SV1VJ
AC2AC	NX2X	AB4VV	KN9N	SV2DSJ
AC5O	NZ9Z*	AC4VM	KP4N	TI5CDA
CT1JGA	OA4TT	AI2S	LA8W	UA3AKI
D44BC	OE3WQB	DH0GSU	LU5OM	UA4PAY
DH2FW	OH3TY	DJ6OI	LU5YF	UA6CEY
DK9WI	OK1PGF	DK8MM	MM0SJH	UN2G
DL1KS	OK2BOB	DL1MEV	N0AH	UN6P
DL3ANK	OK3EY	DL1TPY	N0ATQ	UR4CW
DL5JS	OK4MM	DU7ET	N1GFV	UR4LRG
DM3ML	ON4LG	EA2AAZ	N1KI	UR8IDX
EA1WX	PA4WM	EA3ALD	N1MD	VE1RGB
EU1TT	RA3AH	EA8AXT	N2CJ	VE3OAT
G3ZFC	RA4P	EC5A	N2SG	VE7JKZ
G4FJK	RA4SD	EI3ISB	N2XQM	VP2VA
GM3WTA	RB7GG	ES5NC	N2ZA	VR2PX
HB9NL	RK9F	FM5GU	N3AF	W0GYH
IK5ZUK	RY6M	G0VXE	N4CRI	W0MU
IV3GOW	SM2DMU	G4CGG	N4RWG	W1AN
IV3KCB	SM7NDX	GM3ZSP	N4ZR	W1YRC
IZ6ERS	SP9DH*	I2VGW	N5QS	W2CCC

W3BBO
W4HHN
W4OEP
W4OV
W6WA
W7BA
W7DT
W8CNL
W8FN
W8GDQ
WB4SON
WB8TGY
WK4Y*
YB1TJ
YL2SM
YO9FLD
ZP9MCE