

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

297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS	289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	I0WDX K8KS K9CT N2LT SM6CTQ US5WE UY5ZZ W0BV W2YC	VE2TZT	G3WPH RA3XDX SP9JZU W1MK
296 DF2UU F5NTV G4PWA ON5NT RY9C W1JZ	288 PA3GCV SL0ZG SP7VC UA4LY W0JX WK3N	281 DF2PY HB9BIN JA2PJC K1CP NJ6P S59Z W4TO	275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU SP5CJQ SP6AEG UW2ZM	267 LU8DPM RZ3DX
295 K3UA	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	280 EA6NB SP6HEQ YO3APJ	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD
294 DL1AMQ JH2FXK LA5HE RJ3AA SV8CS WD5COV	286 CT1APE DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN UA6MF	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA1V AA4V AA6YQ AA7A RW0LT SV8BHN YO5BRZ
293 N0TB S58T	285 G4CCZ HB9BGV UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU CT1EKY DL1DUL DL2OE OH1LEU SP6CIK	264 IK2YCW K7ZV W1GL
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW LA5IIA W2SM W3AP
291 9A7V DF3GY IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	283 JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ	270 JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA K4XP KR9U W1YY
290 UA3AKO	282 DL1YD		269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N3NT N6SS NO8D SP1S SP5DIR
			268 DL5DSM	

260 EA5BM K1LT K4DY KX4R	W0YG	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ	JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	R7DX VE3XN WA7NS
259 DF4PL F6GCP G3ZSS I1FQH R9FM	252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK	234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR NV9L PY1BVY
258 KW9A N5KD RN3CT VE3QAA	251 DJ7RD DL9RT I1EIS JH0BBE K9NW N4II PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 DL8WN EA6ET IK0XEZ JA0DAI K1DG RA0FF VO1HP	233 K0CS K2UU KA7T SK3PY SV8CKM UA4HAU VA2WA W7AO
257 K1GUN W9YSX	250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G	237 DL7MAE NI0G OM4EX UR5EDX W3LL	232 JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T S51DI UA3AP
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL N8TR PA7MM W1TSP W3DF	249 AI9L JR3IIR SP5DRH	242 EA4KD KG7H	236 AB4I AC4G K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK YO9HP	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX
255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI	248 AB3CV K3WW K5RX K9RX N2NL SM3VAC SV8GFW T77C UT9FJ W9NGA	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF	230 DJ5FI FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ
254 N0AT OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN	240 G8VR		229 CT1FJK DJ4AX JA8FKO
253 5B4AGN AA1QD K5ESW S58Q UA1OMS				

JI1BEX OE5NNN RO7T	WA7NB	JA2FBY JA2FJP JF3KON LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	OK1DX RN7G W4NL	EA1RT EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT
228 AF9H AI0O E72A EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ	224 DL5WW IZ1LBG N0AV N8BM SP5INQ VK6VZ W2RQ	218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA NA2M RU4SO W0LYI W1FJ W2WG W3YY	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W1TC W9BF WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX	217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I KG6I KV7K LA7JO N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS
226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	222 DF6PB IV3JVJ K3SV K6EID K8ZTT N5AW N8PR N9BX SM0CCM SP7GAQ	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG		206 IK0IOL JA3PIS K2VV K5AQ K5MC KG9N N8DJX SM6BZV US0KW VE3BW
225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW	221 K4MWB K8FH K8SIX MM0EAX N6VR W1ZK W6JRY WS6X	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	205 F6EXV I4KDJ JA3AAW K8AC KA9FOX LA7HJA PY2XB W8UN WB8ZRL
	220 AG8B DK2NG HB9LCW HL5IVL JA2WYN JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	
	219 IK3VUU		209 DL5CF DL9MRF	

204 DJ5AV IK7NXM JA9NFO K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	N4QS W5TCX	IK4PLW IZ8FWN JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO RZ4FO W2FCR W4UM	192 9A2NA CT1IUA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG N4DB N5LZ W3UA W3YQ W8LGJ WN6W	RM0F W6SR W8JV WA3C WA6YEE
203 JA2XYO JE1PNX K3LR K4XO K9MMS KK2I PA0A R6AF W8GC	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US K9YY LA5YJ RW4NN RW7M UY0ZG W0DD W0MHK W2IRT W3GG	195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	191 JA1ANR K0JGH K8FC K9LA RK2FWA SM7GIB	187 AJ1H K0SR K6SRZ KL0S KN5O N2NS NE1B OK1CZ SM0NJO W7AWA
202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR W7DO WA2HZO ZL3IX	199 DK2LO G0BNR HB9DDO JA2DPC K6G XO N4DW W1TO YO2DFA	194 K4KDX K9JF KB9LIE KC9ARR LA7AFA W1NT W2LO W4FC W9OO WD8JJA	190 IZ8XQC JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH SP2LNW VE7VV WE9R XE2X	186 9A8A IK2QPR JA8DNV K0BJ K3PA K7LAY YL2TW
201 CU2DX DL1EJA F4BKV JF1PUW JO7WXN K3HP	198 DL1ROJ G3UJE G4BUE IT9JNR KB8VAO RX3APM W8HB	193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC K4ODL N9EN PA0LOU RN1ON UA0CA W9MU WA2VYA	189 9A2F EA8PP FM5CD JA0VSH SP7HOV UA7T	185 AB6QM EA6BF G3KWK IK3SWB JA2LCP K5ZD N4TJ N5UR OE2BZL SV1DPI UA9CBO
	197 G3SNN I5KKW IK0FVC JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS		188 AA1ON AB4IQ JA1KQX K0BBC KB0EO KB1EFS KE9ET N8LJ	184 HA5WA I2AOX JA2ZL JF1NZW K4HGX K5KLA KB4ET OH2IS S57AC US8UA W2YJ
	196 4Z4DX AA4HP			183 CT1FMX CT3MD IT9INO

K4CN	178	VE3FF	JA6HUG	WA0MHJ
K8VC	4Z5CX	WX0V	JR1TNE	WA5YNB
LA3WAA	EA3CJ		K1NU	
N9MB	JA4MRL	174	LA5LJA	167
NN2L	JE2URF	4Z5MU	N0RN	DK5AD
ON6SAS	K2UR	JA0GJJ	N4OGW	JA6VQA
W2FP	LA0FA	JA1PPW	N7RO	K4XD
W8NW	NE0U	JA2XW	N9RC	K6KO
	SM7DLK	JA7MOL	RA3DNC	K8NK
	SV1JG	JF7DZA	SV1LK	K9MBQ
182	W6NWS	JK1OPL		N0IJ
DJ9ON	W7MEM	JR6PGB	170	N3BNA
DK3UA	ZS1LS	K0TT	DJ6TK	PA3C
HK3W		K1KI	JA6JPS	RA1AOB
JA1SHE	177	K2KA	JE3ENP	RN9N
K8RRT	9H1SP	K3AJ	JF1WPB	S51EC
UR3EO	AE5E	K4TR	JM1GYQ	UN9L
W1YM	CT1EAV	K4WS	K6ZZ	VE6WQ
	CT1GFK	OE1WHC	KI5BLU	W1YW
181	IK4ADE	RN7F	N4PY	WA4LOX
DK3WW	K3WC	UA3LNM	SP3GTS	WC5N
JA3ENN	K9NU	W8UV	SV3KH	
JN4MMO	SM6DHU	W8VVG	W3IP	166
K2EP	W2OR	WT8C	W9EVI	4Z1UF
N3OC	W5LT		WA3AFS	DJ4SO
VE3OSZ	W7FI	173		HB9FMN
W9AJ	WB7B	5B4ALJ	169	IV3TDM
		I1JQJ	IK0PEA	JA1FNA
180	176	JA9TWN	JA1ADT	JA9LJS
DM2DXA	CT1FPQ	K1NTR	JE2LPC	K1KA
DM3VL	EU1AB	K4XR	JR1IZM	K3KY
EA8JF	I6FLD	K9YC	K1LI	K4JLD
JA2BDR	JA0DET	KA1J	N1EN	K4PB
K6SSS	JA5IU	N5FG	N4XX	K4ZYU
K7BG	JA6BJV	PY5EW	N7US	OH2BLD
LA9AJA	JA8KSF	W8HC	UT8MM	RM3DA
N1RR	JL1SAM		UY5AA	W1RR
N4AH	K8MN	172	W6RW	W8ILC
ON5FP	N5OK	G0BLB	W7Yaq	WA8TXT
UT2UB	OK1DWC	G3NKC	WB3JFS	WP4U
W1RM	RL3FA	IZ5MOQ		
W7BEM	SM5FUG	JA3FGJ	168	165
W8TN	W4BP	JG0CQK	EA7TV	DL7UCX
	W4GD	JG3IWL	G3MXJ	I2ZGC
179	YO7NE	K0DEQ	IK2EGL	IK0AGU
IT9ELD		K1BD	JE7JDL	JE7RJS
IW0SAF	175	K6FG	JF2UPM	K5JZ
JE1BMJ	JA1CHN	KJ0M	K5QY	KK4CB
JR7BDQ	JA9NLE	W3JX	K8RYU	N4HB
K8WK	JS3CTQ	W4FQT	KR4F	N9FN
N2PK	K4DLI	WC4X	N4QQ	NY0V
OK1MG	K5GKC		N8BJQ	RC9F
S57UN	N7IR	171	PA7F	SM4CTT
SM4DDE	N7XR	AA9D	SP5GH	SP6EQZ
SP3FAR	PE1L	DL6KR	W4SVO	W0DJC
SV3FUP	SP1MGM	G0EHO	W6VX	W5BN
W8KEN	TF3SG	HA9PP	W8OI	

164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG SV2AEL W4DKS W4NS	DK1WB DL1DA EC3A EI6FR IK0FUX IW2FND IZ4DPV JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B	DL6MRS EA5BY G3TQZ G4GIR JA1GHH JE2DZC JH2QMT JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ YV2IF	W2XI W5DNT WB0TEV WS7L YS1RR	K2FW N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7RH WA1Z WA2BCK WP4G
163 9A2JK DJ9HX JE2LUN K7NN K8TL UR4CWQ VE3CFK W7AL WW3S	159 HB9TKS JA4FKX JH6QFJ JH7CFX K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT	156 AB9V DL4MM F6HDH IZ8IEV JO7HAM K0QC K8YSE KS1J N3RC N3UA UA3SAQ VA3LX W1YIF W4TV	153 AA6AA AJ9C DL3ZA G3TJW HL2CFY JF1IRW JR9OPJ K7SP K8VFF KR2Q N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU	150 EA1AF IV3RAV JA2NQG K0RS K5TR K7LV K8AJS KU4XO N3QE N9CO OE5RLM OE8SPW SQ5EBM SV1CNS UA6YW W6DAO W7CT
162 4O3A 9A4W F3AT JA6GIJ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ WA9PIE	158 DJ4PT DL1FKA IT9DSZ JA9APS JH1TWT JI1FXS JI1NJC JR1GJP K5TT K9GA OZ1HX RU6M SM4EMO W0SZ W1OX W2XL W3GQ W4QN	155 DL1RK DL4SZB JE3GRQ K2LS K4RG K4WA NE0DX NW7E SM6VR WE1P ZS6EZ	152 EW2A HB0CC JT1CO KQ4AV KS3F N9OY S55ZZ UA6IGI UN7LZ UT5AB VE6LB W1SKU W1VT W6RLL W7AJ WB3CQM	149 DL7CX HB9HFN IK4FNF JA1SVP JL1ARF JR5JAQ K3RA K3TN K4YYL K8ME K8ROX K9MK R8TX SM6CUK UW7UA W0GG W7HPW WB8B WD5K WS5W WW2DX YO3DDZ
161 DK2GZ DL6RAI HB9DHK JA1DOF JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW	157 AA4H AC6DD	154 3V8SF GM3PPE HB9BUN JA8NFV JR3OEH K0KVR N7WS NX8Y W1NA	151 AA7G CU2AP DK2OY EI9JF F3SG HB9SLO IZ3ENH JA2VQF JA6BEE JH1NYM JR1XIS K2AX	
160 AD5Q				

148 CT1FCX DK2CC F5CQ F5LVL JH1QDB K5VWW LA6OP N2WB NE3F W2/CT1GIF W5FKX W9JJB	KF6HI N1CGP N4GG N5XZ NA5C RT0F SM3DTR	K4WZ KK1W LA9VFA MM0SAJ N7QT NA4D NQ7R NY2NY OK1DO W2OO W5ADD W5LUA W5VQ WA5POK WB8CQV	YL2MU YO9FNP	JR2LJO K2QMF K6EME K8NS RA3CO RG7G UU1JA W1ITU W5ODD WB5JID
147 EA3GP F5PAC IV3VBM JA1XQC JH4ALY K7HP K8UT KM1H N1IBM PC3T W1OP W2KKZ	144 CU3EQ DL5CW DL5KUA E70T EI6IZ GM3ITN HB9BYQ I5MXX IT9GSF IZ4GWE JA3GN JE1FQV K0VSH KD0PO N1IX N3KK SM4OLL SM5CLE W4GE W7ZI W8RLS WC5M WD5T YO3CD	141 AC9S DL5MHQ EW1BA HB9FMT JA1PTJ JA2ATE JA9RRH JH1HHC JL1UXH K2RW N8OC NJ3K OE6VIE SV3FUO W2CG W3BW W4JVN W4VIC W4WT W8HW ZS1C	139 DF7EE DJ4XA DL5EBE DL8OH JA1TMG JH0BQX JI1DCW K3ANS K6AM K8GI K8RF KA8SYV KU0A LA8WG OK1MP* OK2QA SM5CBM SV8ZC W0SD WA8WV	136 E72U ER0FEO HB9IQB IK8CNT JH4HMG K0TV K7TM KR6C N2ZN OK1DW SM5OJH SP2BMX UT3UZ UW8SM W2OIB WB7QXU
146 EU4A G4FTC JA1HQG JA4DHN JA5XAE JH1GNU K1CA K5KV K5SM K6NR K7WP N7BT RU0SN W1IZL W1ZT	143 DL1DUO DL6EN HS0ZEE K7CMZ K7CW KJ9C LZ2ZG N2RJ N2WM N5UW N6PAT NN4R W0IZ W6QUV WB8ZRV WD9DZV	140 9A1CAL DF2RG K5WK K6KLY KF8DX N4XP N6PSE OH6NIO ON7DR UN1L VE6SV W0SEI W4NU W7IV W8GNM W8LWU WO2T	138 DK8MCT DK8YY EI9FBB F6DDR IK8EPC JA3OOK JF3LOP JH7RXU K1RO K2RET KJ6P LB5WB ON6AA OZ8X RW4CY UN7JID V51B W1GD W2YE W4YV W7OM	135 5B4MF DJ9ZB F6FXU IK8GYS IV3DXW JA7LMZ JA8BNP JA8JL K1ZE K4ZRJ K7FL NZ9R OH1JP R7LP RN3RQ SM3LGO SM5CZK SP3XR W1DIG W1EQ W2GD W4BUW W4MBD W4RFZ W6JTI WE4S
145 AF4HX HI3T IOJBL JE6TSP JJ3HGJ JK1AJX JN1BMX K1OA K3VAT K4OY K8BL	142 I5HOR IT9BLB JR7WFC K3PP		137 DS1JFY EA1YO GM3YOR IZ0RVI IZ2FOS JA3APU JA4OK JH4JNG	

134	SM6BGG	RU1AO	JA1WLO	JA4IYL
CT3HF	SP6M	TA1CM	JA8RJE	JA6VU
IK4DCS	VE3CRG	VE3DO	JA9KRO	JE1TSD
JA7LGE	W4AXL	W2MPK	JH3AIU	JE6UWU
K1TO	W4RBO	W9ZT	JS2LHI	JF2WXS
K3OX	W4WM	129	K0RW	JH4ADK
K7XB	W5SL	HA1RB	K3TRM	JL1RUC
KX4TT	W6DR	HB9AZZ	KM3T	K1HAP
N9MR	W7AH	JA1NWD	KM4NS	K5KG
N9RS	W7CD	JA8JO	N1AC	K8DV
NA5DX	W9FR	J14POR	N1GC	KA6BIM
OE1TKW	WB3D	K3NK	OE8HIK	KI4WCQ
PY5HOT	XE2S	K4TT	S51NM	LA9GX
RG6G	131	K6XM	SK7AX	LZ1XL
RX4HW	DK7YY	N0YY	SP6A	N2KA
SM0BYD	G3UHU	N3KS	SP7ASZ	N3EN
UA0ACG	HS1NGR	N3RR	W0CP	N4JT
W4JKC	IV3KFB	PY5EG	W0RT	N9RD
YU1AM	JA2TBS	W0YVA	W3BG	ND5S
133	JJ1TEA	W7QHE	W3MF	NW6S
9K2NO	JM1FHL	W8MET	126	OE1AZS
EU1U	K1UU	128	DJ8WD	OE3SGU
HB9CQK	K5VIP	AA4SC	DL9FCY	RA0BA
IZ8DFO	KC2LSD	DM2RM	F8BPN	UU7JM
JA7GLB	KH2L	IT9ZZO	G4IUF	VE3UTT
JA9AGN	KM3V	IU0HDC	IZ7EVZ	W5DAW
JR7FRW	KM4H	JA2AHH	JA1XCZ	W8LMG
K1ZN	N3MK	JA2KSP	JA7KY	W9CG*
K2CDJ	N4QWZ	JA9AA	JH3CUL	YO2RR
KS4YT	N5PHT	JE1LFX	JJ1DWT	124
KU2A	N6RK	JH4GJR	JN1RQV	AA7XT
OE1KM	ON4ON	K0FF	K2ZD	IK3VBB
RA5BM	R0SR	K3XA	K4JKB	JI1DHY
RV4LC	R9MJ	K4JAF	K4XU	K4ZO
SV5DKL	R9SA	K4SE	LB7ZG	KD4POJ
UQ2PZ	W8DCH	K6LPO	N8NA	NA2U
VE3WT	130	KG7CW	OK3CQD	PA0TCA
W0NFL	DF9ZW	N5KM	PA3EWP	UA0BA
W2QO	E73M	OH1ZK	PA5TT	VE1DUN
W5AJ	EI2JD	OZ1IKY	VE3CX	W1OPD
132	G7VJR	R9SG	VE7BV	W2JU
AA4NC	HK0HEU	S53X	W8MK	W2RIJ
AB9M	JA2FBC	S55DX	W8REW	W3FM
AD6W	JG1DUZ	SM3GQP	W9ILY	W6CYX
HB9RYZ	K2MYR	SV3DCX	WB0O	123
IT9RDG	K6SIK	VQ9LA	WB2REM	AB1OC
JA2KVD	K7LFY	W2WC	WD4LBR	AC4TO
JA6CBG	K8BCK	W4IS	XE1KK	DL7JRD
JR6FC	K9GL	W6RKC	YU1EXY	F4GTB
K6YUI	NA4EA	ZS1A	125	G4WFFQ
K9ZM	NO9E	ZS6UT	9A1AD	G5LP
N6HY	OZ2ABI	127	AG1A	HB0WR
ON4CAS	R3VA	HK1MW	GW3TMP	IK2CHZ
OZ2RH	R5QA	JA1DDH	HK4SAN	IK3XJP
SM4BZH	R9AB		IK5DNF	JA0CRG

JA1SJV	IK2SGB	W3OA	KV4AA	116
JA3MHA	JA2HYD	W4PRO	LZ2HM	AJ4F
JA6WJL	KD8RQE	W6RFL	N2MM	DL7URH
JK1EXO	KG9Z	W7RN	N4DJ	EA5BRE
JR1EBE	N0OK	ZL4AS	PY2PA	HA7PF
K2PK	N1JP	119	RN3TT	IK0EIE
K3XO	N6HC	AA3AZ	SV9COL	IK2OHG
K4ZIN	SV1AHX	AE3T	TA2RC	IT9TQH
K5GH	UQ1GWW	AJ4A	VK4CAG	IV3HYD
K7UT	UT4EO	DK3GG	W1KSZ	JA1WTI
K9CS	UU2JQ	EW4M	W4DAO	K1DC
KV4T	VA3AYA	G4DJJ	W4NF	K1RI
N2ED	W0QQ	HB9AAQ	W4NJ	KT1V
N4DWK	W2GG	HB9BCI	W5JMW	KV1J
N6MZ	W3RJW	I2TZK	W9FI	PA0JSE
N9JV	W6XI	I4MKN	WT4Q	RV3ID
N9LQ	W9XX	IU0LFQ	YO4AUL	TZ4AM
NA2P	W9YE	JA3AZD	117	UA4PCM
S50B	WA1PMA	JA4XGC	9Y4VU	VA7CRZ
UA3DK	WY1G	JE2JMV	AE0P	W1ENE
UT3QU	XE1VIC	JH6CDI	BH4IGO	W1WEF
W1AO	120	J14WAO	DL1DWT	W7GG
W8NJR	9A5F	K5UZ	IT9AAI	W7OEV
WB8K	AC9EM	K7EG	IT9DAA	W8LRO
WV4TN	AL7TC	K8KWT	JA0AOO	WP3R
XE1H	DL2VWR	K9SG	JA1HQT	WQ5L
122	EI2GLB	N0KV	JA4FM	115
BA4RF	FG5FR	N8PW	JA7GYP	AA5JF
G3NDC	HB9BLQ	N9UA	JA7IC	C6AGU
JA1MRM	IZ0LKV	NT2A	JM3GXU	CU2CE
JH1AGU	IZ5NFD	NY7T	JR2UBS	DL9GOA
K1ESE	JR3UIC	OH5NG	K1BZ	G4XEE
K1YT	JR6LLN	OK1DT	K2BB	G8BCG
K2MP	K2BA	R6FFB	K6PJ	G8DX
K7ZA	K2HK	SV1ACK	K7PI	HA5UK
KR0P	K3QIA	W0RX	K8OOK	IZ7JVR
LA7WCA	K5JC	W4HZ	K8QM	JA2KNW
LA8PT	K6FW	W8FIB	N2BJ	JA5FDJ
N9AW	KA8ZPE	XE1RCS	N3ND	JG3LGD
NA9RB	N3NR	118	N4IR	JH1RFM
NN7X	N4BAF	5T5PA	N6MB	K0GD
OZ3Y	N4LR	AA4DD	N8AA	K0SD
RD4A	N4TB	AB2E	N8XI	K4CMS
UU4JMG	N4TL	DL5OCE	NY4G	K4GHS
VE6AX	N4UFP	JA4FHE	SM7BIC	K4GK
W2TB	OE3EVA	J18DGO	SP8HKT	K5XM
WA3I	OZ2A	K3FRK	UA6J	K8YTO
WA7BNG	PZ5RA	K3WGR	UB3A	KO8SCA
121	RL3BZ	K4CNW	UR9IDX	LY4T
AA6RR	SP6JIU	K8LN	US1CT	N0IRM
CT3KN	SP7ITB	K8WVA	W4ZRZ	N4OA
DF1DB	SV1IW	K9DR	W6SL	N5BO
DK1EI	UR5IKN	KD2T	W8ZR	N8KOL
DK6CQ	UR9QQ	KD6UO	WA2USA	PA3AXU
HB9DHG	US0YA	KG8CW	WC2K	RZ6MJ
	W2YR			UA1ANA

UA1CGS	JH3GCN	JR7TEQ	K5WAF	LZ1PM
UA6XT	K0TPP	K0JPL	K7ORK	N2CG
UN6T	K5CD	K1EDG	K9AJ	N3HBX
VE3YF	K8SL	K1KO	KM1R	N3IQ
W4UCK	K9FN	K2HAT	KZ0X	N3JB
YL2CZ	K9GWH	K4UAS	LA0CX	N4KE
	KA4RRU	K8CC	N4WJ	NC6K
114	KH6DX	KB2FCV	N7BD	NK7C
BA4DW	KI0G	KI4DLS	N9HF	NY4I
BA7IO	KT1J	KM1C	NA1DX	OZ1LCG
CT3FN	N7KO	LA8HGA	UR6QA	RD9M
CU3AK	NA3F	N5ZC	UT1UY	SM5BHW
DL6NB	NG0G	N6MA	VE6KC	SP9WZS
F6CWA	NI5F	N6PE	VE7CT	SV1VS
G3SDL	NK5B	NA9Q	VE7UF	UA3O
HK3PJ	ON5UE	RU4SU	W0VHF	US7MM
HP3TA	R7NA	SM3DMP	W1FO	W0UY
I5OYY	RA4UN	UA1ACG	W3FOX	W3XY
IK7YZG	RZ3AUL	UA1CEI	W4HOG	W4DC
IW0HEX	SM5ARL	UT6UD	W4OX	W4NE
JA4KDT	SP3EPG	VE7XF	W5AQ	W5ZPA
JA5WIZ	SV1FKZ	W1HEO	W7VS	WL7E
JH6WMJ	SV1JFV	W2CVW	W8KA	XE1FAS
K1RV	SV2AVP	W2SKI	W8MIL	YU7AU
K2DC	UN7TW	W3MR	W9RB	ZL3NW
K3MD	VE3KI	W3UL	WA2BOT	
K3NF	W2GW	W4VHF	WA2MUA	109
K3OSX	W6BK	W5VX	WB4TDH	DF1KG
K5RJ	W8FAX	W6TC	WB9EEE	EA3GHZ
KB8U	W9DX	W8GEX	YL3DQ	EU4T
KZ4V	W9VNE	W8HMK	YO6HOY	F8EZE
N1QY	WA4DOU	W9SE		G3SVD
N2JJ	WB2HJV	WA8MCD	110	J68HZ
N3MN	WB2UFF	WA8OLN	BA4MY	JA2CXF
N4IQ	WS4C	WT9U	DG7RO	K2ONP
NU8Z	WX3P	ZP6CW	DL1VDL	K4RDU
UA3FT	XE1RBV		EA5BYP	K5FZ
W0VX	ZL1BYZ	111	F5BAR	K5KA
W4TUN		AA4U	G3LNS	K5KPE
W5VY	112	AB4GE	G8AJM	K6MW
WA1FCN	A92IO	AF4OX	HC1BI	KE1F
WA9YYY	DJ1RL	CU3AN	I2BBJ	KZ5DX
WN9O	DK5RL	DK2WH	IK5RUN	N1BZ
XE3ARV	DL5CL	DK6ED	IK8UHA	N7TY
	EA1JO	DL1HRN	IZ0CKJ	N8NN
113	EI8IU	EV1R	JA7EPO	N9ISN
9A1A	EW1DO	F6ECI	JE2UFF	ND4V
DJ5DT	G3XGC	G3PLP	JH1VHU	NN4RR
DJ9RR	HB9CEX	G4DBN	K1EO	NU4I
DL8CM	HB9CRV	HL3GOB	K2BLA	NX7U
DL8DYL	HB9EFK	IK2ANI	K3JRR	PY5CC
EA5KA	HB9G	JA1AUD	K3PH	RW4UU
G4AFJ	IU8FRE	JA1FGB	K4WW	RW9QA
JA0GCI	IZ4DIW	JA1NCZ	K6MI	RX3AGD
JA1OVD	JA1SXR	JE2EHP	K6VKO	TG9NX
JA4ITW	JA4BXL	JE8TGI	KB4MRX	UB5ZAL
JH1ORA	JA7BXS	JF2WGN	KC2STA	UT7KF

VU2CPL	107	DJ6OZ	WC6DX	UR2RGN
W5WP	4Z5LA	DL1QQ	YL2GN	VE1PZ
W9HBH	DJ8ES	DL2NOM	YU3EF	VR2MY
WB5TUF	DK3FB	DL3JSW		VY2ZM
WN0L	DL2CHN	DL6JZ	105	W1LE
YV3AGT	DL5XU	EA3CCN	DF2PI	W1LY
	DO4DXA	HA8DZ	DF8AA	W4OWY
108	EA5AT	IK0ZIO	DJ3XD	W5KI
AI2Q	EA7QW	IW3GJF	DJ6KH	W6FF
AL7R	FG8OJ	JA1VLK	DL4ZAB	WQ5W
DL6CNG	G4AKY	JA2MNB	DL6XK	YU1NR
ER1LW	G4RGK	JE6IGP	DO1CTL	
G3VAO	HI8R	JG3HBO	ES1GO	104
HB9BAT	I5IHE	JG5RVQ	G3YUV	9K2OD
HB9FAN	IT9XTP	JH2KKW	HA8FW	9M2AX
IK0PRG	JA5EY	JH6PFY	IZ2EWR	AD1C
IZ0BTV	JA8JTH	JJ0NCC	JA1BWA	AG4Q
JA2MOG	JH9DRL	JR0EQQ	JA1TAA	AH0U
JA3NHL	K0MD	K0DEW	JA4EVN	CP8HD
JJ2PIK	K3SW	K1PX	JA6VA	CX3CE
JK1MZT	K3YBN	K4DSE	JA7BME	DK3BK
K1EP	K8LBT	K4SAF	JA8RRF	DL4FAP
K1XM	K8ZR	K5AM	JA9APM	DL7UPN
K2CJ	KE2R	K5ZQ	JF1RYU	E73D
K2KQ	KZ1W	K8JJC	JO4CFV	EA8ZS
K2MK	N2RR	KK8X	JR1BAS	EI9E
K4WY	N3DAP	KP4AA	K1DJ	F6AJA
K6UT	N4RF	KQ3F	K2XF	F8GB
K8OM	N6EE	N0JZ	K4MS	G3BRD
KM8AM	N8AGU	N2CW	K4YJ	HB9CIP
KN4JX	NA5Q	N2SQW	K5AV	HK3O
LU2DKT	OE1CP	N2WLG	K7OX	IK0DWN
N4MEC	OK2BUZ	N3XM	K7PO	JA1SDV
N6RFM	OK3CQR	N8AID	K9RO	JA2FGL
N9TF	R0FA	NA5Z	KI5T	JF1EGO
NU4Y	RN4AA	NI5M	KK9H	JF6WTY
PA0ZH	RV6ARZ	NS3L	KT2E	JK1BSM
R5FY	SP3BQD	OE5CSP	KX2A	JO1WXO
R7LA	SP6AXW	OH2OT	LZ1JZ	K0WK
RX6DX	US5CB	OK1AYU	N2DPF	K1BG
S57J	VE3OI	OK2BGV	N4JI	K3FM
SM6AOU	VK3NX	S57AL	N4NW	K4KEW
UX7UN	W3KB	UR3CRO	N4PL	K4MF
UZ6LWZ	W6TDX	UT7UU	N4SC	K4VIG
W2UB	W8IW	UU5WW	N4VN	K5HK
W3NRJ	W8VK	V73AZ	N6NU	K6UM
W4ZYT	W9CPV	VQ9SS	ON7PQ	K7TJR
W6KK	WB6CJT	W1CWU	OZ4AAL	K9EA
W7ACD	WB8ART	W2EQ	PF7M	KA2BZS
WA2ALY	WS1L	W2LE	PJ2/K8ND	KH6KG/W5
WA4CEM	XE2YWH	W2NO	PY2DS	KI0KB
WA8MOA	YL1XZ	W3ICM	R6YY	KW0A
WB8BZK	ZL3RJ	W4IR	RA6AF	LZ2XF
WC1M		W5JAY	RD4WM	N3ER
WD9EQU	106	W8OP	SP5JXK	N3TR
WW1WW	AA4FL	WA4MYO	UA6LCN	N4GU
	AE2U	WA6TLA	UR1RWX	N4TTE

N6PF	JH1DGQ	DL3DXX	UA9UCO	K6AAW
N8MZ	JM2RUV	DL3NCR	UW7CN	K6XJ
N9DR	K0EOO	DL4CW	VE2FYR	K7AR
ND3L	K2UVV	DL4KUG	W0JMP	K7IA
NJ9C	K4LQ	DL5RDI	W1MRH	K8BN
NN3Q	K5JUC	EA8AKN	W1PV	K9JU
RA1QX	K7BTW	EI4DQ	W2LW	K9PG
RU3UR	K8CCV	EI6GF	W2TX	KC4PX
RZ6DX	K9MUG	ES5RW	W3EKT	KD3UY
RZ6LB	K9XJ	F6BWO	W4ALF	KE1VT
SM5CCE	KE1IU	FM5WD	W5TO	KE4S
SM7CQY	KJ4R	HB9AHL	W7IUV	KF7NN
SO5AS	KJ7WY	I8LWL	WA0IDK	KN6J
UA9FGJ	KM9E	IT9SFT	WA1S	KQ1F
US5CAO	LX1DA	IZ4MJP	WD8DSB	KS4XQ
UT4EK	N0RU	JA0HXV	WS4Y	LA2GV
UT7EC	N1HOQ	JA1JAT	WW5G	LZ1XZ
UX4UM	N9BBQ	JA6OXT	YO2IS	N0STL
UY0MM	N9PGG	JA8OW		N2AJ
VE3VHB	N9SF	K0YN	101	N5AQ
W0YBS	OH3GD	K1PTF	AA2VG	N6WM
W1QA	OH4UI	K2LP	AA3LX	N8AG
W3DRY	OK1DQT	K2TK	AA4NU	N9JCS
W3TMZ	OK2BQU	K3KG	AC2AC	NE1F
W5CWQ	OK3BRK	K4AQQ	AC5O	NX2X
W5GJ	OZ7JZ	K4KAY	CT1JGA	OA4TT
W5ZO	PA0GMM	K5ZO	D44BC	OE3WQB
W6PH	R9GM	K6DJ	DH2FW	OH3TY
W7DR	RA0FA	K7BHM	DK9WI	OK1PGF
WA0I	RA4HT	K7UA	DL1KS	OK2BOB
WA0RVK	RK3QY	K8BHZ	DL3ANK	OK3EY
WA9ETW	RU3OW	KB9DAK	DL5JS	OK4MM
YC0LOW	SM3CBR	KJ6NZ	DM3ML	ON4LG
YO5ODE	SM6EHY	KN4KL	EA1WX	OZ5HP
	SM7BHH	KW4BY	EU1TT	PA4WM
103	UA3PFN	KY6R	G3ZFC	RA3AH
AG1I	US2WU	LA3ANA	G4FJK	RA4P
AI3Q	UT2AB	N5RZ	GM3WTA	RA4SD
DJ1MM	VA2ZO	NZ3M	HB9NL	RB7GG
DJ3GZ	VA3IC	OH2EA	IV3GOW	RK9F
DJ7PI	VE3EDY	OK1DTN	IV3KCB	RY6M
DL2HX	VE3MFA	OK1JDX	JA1VVX	SM2DMU
DL8YRM	VE3VV	OK3CSQ	JA2VMU	SM7NDX
DM5TI	W0QC	PA7TWO	JA6TMU	SP7JLH
DS3HWS	W0UVC	PV8ABC	JA7SFD	SV1PL
EA7SG	W1CTN	PY2DO	JE1SYN	UA0FDX
EU6MM	W4AVY	R2AB	JF1RPZ	UG6GAW
EW3LB	W4MZ	R3IS	JH3HGH	UR7CQ
G3BDQ	W5THT	RU3UN	JH3PRR	UT1CC
G4AAW	W5VU	S59DJK	JI3KDH	UT4IS
G4PUQ	W6SZN	SM6WET	K0LW	UT7HA
G4VGO	YO7APA	SP5MXZ	K1YR	VE2OJ
I0OSI		T77V	K2BX	VE3XB
JA2GQO	102	UA1AIR	K2TER	VK2GR
JA2OLJ	A6/RV6LNA	UA1CKC	K3SEW	W1AW
JA3FHL	CT4BD	UA6HOF	K4NNX	W1FC
JA8EJO	DK3QM	UA9MR	K5DNL	W1GF

W2SF	K0XM	ON9CC
W3WH	K1NA	OZ1ZD
W4BUE	K1NZ	PA0INA
W4PM	K1TZQ	PA7RA
W7AV	K2CBI	R3PJN
W7CB	K2CYE	R9JX
W8GB	K3TZV	RA3SD
W9MAF	K4FT	RA4LW
W9ZCL	K4KSY	RA6XB
WA3EKL	K4QS	RC2A
WB3HLH	K4UQC	RN1A
WC4H	K7VIC	RT5A
WK9U	K8BZ	RU3GF
WR2G	K8CR	S53MJ
YO2OXD	K8CS	S59SV
YO6BHN	K8LE	SV1VJ
YV4DYJ	K9NZ	SV2DSJ
	KB0EL	UA3AKI
100	KC0V	UA4PAY
9M6YBG	KC4D	UA6CEY
A41ZZ	KC5LT	UN6P
AA4AK	KD8BZY	UR4CW
AB4VV	KD9HL	UR4LRG
AC4VM	KP4N	UR8IDX
AI2S	KQ5M	US8UW
DJ6OI	LA6UL	VE1RGB
DL1TPY	LA8W	VE3OAT
DL1TRK	LU5OM	VE7JKZ
DL9GTB	LU5YF	VP2VA
DU7ET	LZ3YY	VR2PX
EA1CP	MM0SJH	W0GYH
EA2AAZ	N0AH	W0MU
EA3ALD	N0ATQ	W1AN
EA8AXT	N1KI	W1YRC
EC5A	N1MD	W2CCC
ES5NC	N2SG	W3BBO
FM5GU	N2XQM	W4HHN
G0VXE	N3AF	W4MAY
G3OIL	N4CRI	W4OEP
G4CGG	N4ZR	W4OV
GM3ZSP	N7DED	W5BK
I2VGW	N7TK	W7DT
IK0HFO	N8IL	W7JET
IK4MSV	N8NB	W8CNL
IS0/YO3RA	N9ADG	W8FN
IW0BYL	NA6O	W8GDQ
IW0HQE	NB3R	WB4SON
JA1BRK	NG7A	WU2M
JA1CPU	NJ3I	YB1TJ
JA1ILA	NN4SS	YL2SM
JA4FSH	NU1T	YO2CMI
JA5DQH	OE5JDL	YO9FLD
JA9CGW	OK1DXD	ZP9MCE
JF3DRI	OK2PAZ	ZS2DL
JH7BKN	ON4ANN	
K0FLY	ON7EH	
K0LB	ON7GB	