

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 24 Jun 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 W5IZ	YU1FW
341 EA8AK	324 K2TQC K4PI OH2BO S50A W1NG	314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM3YTS
340 K1ZM	323 EY8MM SP5EWY	313 GM3POI OE3GCU OG2M OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK SV8JE
339 W4DR W4ZV	322 UX0UN W3UR	312 OH1MA S54E	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR VA3EF
335 OH2BU	321 WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I RA7A RZ3AM SP2FAX	305 JA7NI K4ZW N4IS NN4T UA6A	299 JA4DND K4TEA N1BUG OE1WEU SV1FJA UX1UA W7UT
334 N4WW	320 K8MFO SM4HCM W8UVZ	310 I4AVG RA3CQ SM5BFJ SM6CVX	304 CT1EEB DJ0MDR SM3GSK	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ SM5CEU
333 R7LV	319 N0XA SM4CAN			
332 UR0MC	318 4X4DK UT5UGR W9ZR			
331 K5UR LZ2DF	317 W3LPL			
330 AA1K HA0DU OH1XX UT7QF	316 W2VO			
329 K3UL UA4HBW				
328 R4GM UA4CC				

297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS	289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	OK1AWZ VE2TZT	268 DL5DSM G3WPH RA3XDX SP9JZU W1MK
296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ	288 PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	281 DF2PY HB9BIN JA2PJC K1CP NJ6P S59Z W4TO	275 9A1CCY F5NBU I2AOX IK4CIE K2UO K4IQJ OH3BU SP6AEG UW2ZM	267 LU8DPM RZ3DX
295 K3UA SV8CS	287 CT1APE 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 WD5COV	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA4V AA6YQ AA7A K4XP 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 KX4R LA5IIA N3NT W2SM W3AP
291 9A7V IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW	270 AA1V JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA KR9U W1YY
290 UA3AKO			269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S

SP5DIR	S58Q UA1OMS W0YG	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ	240 G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	N6DX OK1CF R7DX VE3XN WA7NS
260 EA5BM K1LT K4DY	252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 JR3GWZ K0KT K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK	234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR PY1BVY S51DI
259 DF4PL F6GCP G3ZSS I1FQH R9FM	251 DJ7RD DL9RT I1EIS JH0BBE K9NW N4II PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 DL8WN EA6ET IK0XEZ JA0DAI RA0FF VO1HP W3LL	233 K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO WA7NB
258 KW9A N2NL N5KD RN3CT VE3QAA	250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G	237 DL7MAE NI0G OM4EX UR5EDX	232 DJ5FI EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP
257 K1GUN N8TR W9YSX	249 AB3CV AI9L JR3IIR K9RX SP5DRH	242 EA4KD KG7H SV8CKM	236 AB4I AC4G K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF	248 K3WW K5RX 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	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ
255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN YO9HP			
254 N0AT OM3DX WA4FFW				
253 5B4AGN AA1QD K5ESW				

229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	VA5DX W7KW	JA2FBY JA2FJP JF3KON KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	K4NA OK1DX RN7G W4NL	DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO
228 AF9H AI0O E72A K4HB N2WK OH2BEN UW5ZM VE3DZ	224 DL5WW IZ1LBG MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ	218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA LA7JO NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW 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 N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	207 IZ8FWN K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS
226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N8PR N9BX SM0CCM	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG		206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW
225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR	221 JA2WYN K4MWB K8SIX N6VR W1ZK W6JRY WS6X	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 EA1RT IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA
	220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	214 DL7BA HL3IUA IZ8VYU JA2JW	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	
	219 IK3VUU		209 DL5CF	

W8UN WB8ZRL	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP N4QS W0MHK W5TCX	UA0SC UT5EL W0FS	N9EN PA0LOU RN1ON UA0CA W9MU WA2VYA	AB4IQ CT1FMX JA1KQX KB0EO KB1EFS KE9ET KL0S N8LJ RM0F W6SR W8JV WA3C WA6YEE
204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W2IRT W3GG	196 4Z4DX AA4HP IK4PLW JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO RZ4FO W2FCR W4UM	192 9A2NA CT1IUA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG N4DB OH2IS W3UA W3YQ W8LGJ	187 AJ1H K0SR K6SRZ KN5O LA0FA N2NS OK1CZ SM0NJO W7AWA
203 JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO N4DW W1TO YO2DFA	195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K3PA K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	191 JA1ANR K0JGH K8FC K9LA NE1B RK2FWA	186 9A8A IK2QPR JA8DNV K0BJ K7LAY W1YM YL2TW
202 AA5AM 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 KB8VAO RX3APM W8HB	194 K4KDX K9JF KB9LIE KC9ARR LA7AFA SM7GIB W2LO W4FC WD8JJA WN6W	190 IZ8XQC JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH SP2LNW VE7VV WE9R XE2X	185 AB6QM CT1EAV EA6BF G3KWK IK3SWB JA2LCP K5ZD LA3WAA N4TJ N5UR OE2BZL SP3FAR SV1DPI UA9CBO
	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA	193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC K4ODL N5LZ	189 9A2F EA8PP FM5CD JA0VSH K0BBC SP7HOV UA7T	184 HA5WA JA2ZL JF1NZW K4HGX K5KLA KB4ET
			188 AA1ON	

S57AC	OK1MG	PE1L	171	N4QQ
US8UA	S57UN	SP1MGM	AA9D	N8BJQ
W2YJ	SM4DDE	TF3SG	DL6KR	PA7F
183	SV3FUP	VE3FF	G0EHO	SP5GH
CT3MD	W8KEN	W8HC	HA9PP	W4SVO
IT9INO	178	WX0V	JA6HUG	W6VX
K4CN	4Z5CX	174	JR1TNE	W8OI
K8VC	EA3CJ	4Z5MU	K1NU	WA0MHJ
N9MB	JA4MRL	JA0GJJ	LA5LJA	WA5YNB
NN2L	K2UR	JA1PPW	N0RN	
ON6SAS	NE0U	JA2XW	N4OGW	167
W2FP	SM7DLK	JA7MOL	N7RO	DK5AD
W8NW	SV1JG	JF7DZA	N9RC	EC3A
182	W6NWS	JK1OPL	RA3DNC	EI6FR
DJ9ON	W7MEM	JR6PGB	SV1LK	JA6VQA
DK3UA	ZS1LS	K0TT	UN9L	K6KO
HK3W	177	K1KI	WA9PIE	K8NK
JA1SHE	9H1SP	K2KA	170	K9MBQ
K8RRT	AE5E	K3AJ	DJ6TK	N0IJ
N3OC	CT1GFK	K4TR	JA6JPS	N3BNA
UR3EO	IK4ADE	K4WS	JE3ENP	PA3C
181	K3WC	N1EN	JF1WPB	RA1AOB
DK3WW	K4RG	OE1WHC	JM1GYQ	RN9N
JA3ENN	K9NU	RN7F	K6ZZ	S51EC
JN4MMO	SM6DHU	UA3LNM	KI5BLU	VE6WQ
K2EP	W2OR	W8UV	N4PY	W1YW
LZ2ZG	W5LT	W8VVG	SP3GTS	WA4LOX
VE3OSZ	W7FI	WT8C	SV3KH	WC5N
W9AJ	WB7B	173	W3IP	166
180	176	5B4ALJ	W9EVI	4Z1UF
DM2DXA	EU1AB	I1JQJ	WA3AFS	DJ4SO
DM3VL	I6FLD	JA9TWN	WP4U	HB9FMN
EA8JF	JA0DET	K1NTR	169	IV3TDM
JA2BDR	JA5IU	K4XR	IK0PEA	JA1FNA
JE2URF	JA6BJV	K9YC	JA1ADT	JA9LJS
K6SSS	JA8KSF	KA1J	JE2LPC	K1KA
K7BG	JL1SAM	N5FG	JR1IZM	K3KY
LA9AJA	K8MN	PY5EW	K1LI	K4JLD
N1RR	N5OK	172	N4XX	K4PB
N4AH	OK1DWC	EA7TV	N7US	K4ZYU
ON5FP	RL3FA	G0BLB	UT8MM	OH2BLD
UT2UB	SM5FUG	G3NKC	UY5AA	RM3DA
W1RM	W4BP	IZ5MOQ	W6RW	W0DJC
W7BEM	W4GD	JA3FGJ	W7Yaq	W1RR
W8TN	YO7NE	JG0CQK	WB3JFS	W8ILC
179	175	JG3IWL	168	WA8TXT
CT1FPQ	JA1CHN	K0DEQ	G3MXJ	165
IT9ELD	JA9NLE	K1BD	IK2EGL	DL7UCX
IW0SAF	JS3CTQ	K6FG	JE7JDL	F6HDH
JR7BDQ	K4DLI	KJ0M	JF2UPM	I2ZGC
K8WK	K5GKC	W3JX	K4XD	IK0AGU
N2PK	N7IR	W4FQT	K5QY	JE7RJS
	N7XR	WC4X	K8RYU	JH7CFX
			KR4F	K5JZ
				KK4CB

N4HB	JH4CPC	W2XL	HB9BUN	IZ3ENH
N9FN	K1USA	W3GQ	JA8NFV	JA2VQF
NY0V	K5GO	W4QN	JR3OEH	JA6BEE
RC9F	K8ND	157	K0KVR	JH1NYM
SM4CTT	LB2TB	AA4H	NX8Y	JR1XIS
SP6EQZ	N4GN	AC6DD	W1NA	K2AX
W5BN	OH6RA	DL6MRS	W2XI	K2FW
164	VK3HJ	EA5BY	W5DNT	N5JB
GU4YOX	YU2TW	G3TQZ	WB0TEV	OK1ATP
HA7UW	160	G4GIR	WS7L	RD3A
HB9BZA	AD5Q	JA1GHH	YS1RR	RU3A
JA1RTX	DK1WB	JE2DZC	153	S54A
JA7ZP	DL1DA	JH2QMT	AA6AA	SP7AWG
JH2SON	IK0FUX	JH7IAJ	AJ9C	SV9AHZ
K1NJ	IW2FND	LY5A	DL3ZA	W7CT
N5WA	JA2EPW	N5MOA	G3TJW	W7RH
RA3ZH	JE2OVG	NE9Z	HL2CFY	WA1Z
RN3OG	JF2XGF	RU4UR	JF1IRW	WA2BCK
SV2AEL	JR7MAZ	SM3PHM	JR9OPJ	WP4G
W4DKS	K3MSB	SV8ZS	K7SP	150
W4NS*	NR4M	W2TA	K8VFX	EA1AF
163	RU6L	W5GZ	KR2Q	IV3RAV
9A2JK	UA0FZ	YV2IF	N4TV	JA2NQG
DJ9HX	UX5UO	156	N5TW	K0RS
JE2LUN	W1BR	AB9V	N8II	K5TR
K7NN	W5XC	DL4MM	R9OK	K7LV
K8TL	W9RN	IZ8IEV	SM6CLU	K8AJS
OK2QA	WX0B	JO7HAM	SP5CCC	KD0PO
UR4CWQ	159	K0QC	UT5UY	KU4XO
VE3CFK	JA4FKX	K8YSE	WB8BPU	N3QE
W7AL	JH6QFJ	KS1J	152	N9CO
WW3S	K4RO	N3RC	EW2A	OE8SPW
162	OK2ZV	N3UA	HB0CC	SQ5EBM
4O3A	UN7JX	N7WS	JT1CO	SV1CNS
9A4W	W3HKK	OE5RLM	KQ4AV	UA6YW
F3AT	W6BJH	UA3SAQ	KS3F	W6DAO
HB9TKS	W7SX	VA3LX	N9OY	WW2DX
IZ4DPV	WD5BJT	W1YIF	S55ZZ	149
JA6GIJ	158	W4TV	UA6IGI	DL7CX
JR5JAQ	DJ4PT	155	UN7LZ	HB9HFN
LB6KC	DL1FKA	DL1RK	UT5AB	IK4FNF
N8MR	IT9DSZ	DL4SZB	VE6LB	JA1SVP
RW3RN	JA9APS	JE3GRQ	W1SKU	JL1ARF
W0HT	JH1TWT	K2LS	W1VT	K3RA
W0TT	J11FXS	K4WA	W6RLL	K3TN
W1LW	J11NJC	NE0DX	W7AJ	K4YYL
W8WEJ	JR1GJP	NW7E	WB3CQM	K8ME
161	K5TT	SM6VR	151	K8ROX
DK2GZ	K9GA	WE1P	AA7G	K9MK
DL6RAI	OZ1HX	ZS6EZ	CU2AP	R8TX
HB9DHK	RU6M	154	DK2OY	SM6CUK
JA1DOF	SM4EMO	3V8SF	EI9JF	UW7UA
JH4ALY	W0SZ	GM3PPE	F3SG	W0GG
	W1OX		HB9SLO	W2/CT1GIF
				W7HPW

WB8B	K3VAT	142	W4NU	IZ0RVI
WD5K	K4OY	I5HOR	W7IV	IZ2FOS
WS5W	K8BL	IT9BLB	W8GNM	JA3APU
YO3DDZ	KF6HI	JH0BQX	W8LWU	JA4OK
148	N1CGP	JR7WFC	WO2T	JH4JNG
CT1FCX	N4GG	K3PP	YL2MU	K2QMF
DK2CC	N5XZ	K4WZ	YO9FNP	K6EME
F5CQ	NA5C	KK1W	139	K8NS
F5LVL	RT0F	LA9VFA	DF7EE	LA9GX
JH1QDB	SM3DTR	MM0SAJ	DJ4XA	RA3CO
K5VWW	144	N7QT	DL5EBE	RG7G
LA6OP	CU3EQ	NA4D	DL8OH	UU1JA
N2WB	DL5CW	NQ7R	JA1TMG	W1ITU
NE3F	DL5KUA	NY2NY	J11DCW	W5ODD
W5FKX	E70T	OK1DO	K3ANS	WB5JID
W9JJB	EI6IZ	W2OO	K6AM	136
147	GM3ITN	W5LUA	K8GI	E72U
EA3GP	HB9BYQ	W5VQ	K8RF	ER0FEO
F5PAC	I5MXX	WA5POK	KA8SYV	HB9IQB
IV3VBM	IT9GSF	WB8CQV	KU0A	IK8CNT
JA1XQC	IV3DXW	141	LA8WG	JH4HMG
K7HP	IZ4GWE	AC9S	OH1JP	K0TV
K8UT	JA3GN	DL5MHQ	OK1MP*	K4ZO
KM1H	JE1FQV	EW1BA	SM5CBM	K7TM
N1IBM	K0VSH	HB9FMT	SV8ZC	KR6C
PC3T	N1IX	JA1PTJ	W0SD	N2ZN
W1OP	N3KK	JA2ATE	WA8WV	OK1DW
W2KKZ	SM4OLL	JA9RRH	138	SM5OJH
146	SM5CLE	JH1HHC	DK8MCT	SP2BMX
EU4A	W4GE	JL1UXH	DK8YY	UT3UZ
G4FTC	W5ADD	K2RW	EI9FBB	UW8SM
JA1HQG	W7ZI	N8OC	F6DDR	W2OIB
JA4DHN	W8RLS	NJ3K	IK8EPC	WB7QXU
JA5XAE	WC5M	OE6VIE	JA3OOK	135
JH1GNU	WD5T	SV3FUO	JF3LOP	5B4MF
K1CA	YO3CD	W2CG	JH7RXU	DJ9ZB
K5KV	143	W3BW	K1RO	F6FXU
K5SM	DL1DUO	W4JVN	K2RET	IK8GYS
K6NR	DL6EN	W4VIC	KJ6P	IU0HDC
K7WP	HS0ZEE	W4WT	LB5WB	JA7LMZ
N7BT	K7CMZ	W8HW	ON6AA	JA8BNP
RU0SN	K7CW	ZS1C	OZ8X	JA8JL
W1IZL	KJ9C	140	RW4CY	K1ZE
W1ZT	N2RJ	9A1CAL	UN7JID	K4ZRJ
145	N2WM	DF2RG	V51B	K7FL
AF4HX	N5UW	JR2LJO	W1GD	K7XB
HI3T	N6PAT	K5WK	W2YE	NZ9R
I0JBL	N6PSE	K6KLY	W4YV	R7LP
JE6TSP	NN4R	KF8DX	W7OM	RN3RQ
JJ3HGJ	W0IZ	N4XP	137	SM3LGO
JK1AJX	W6QUV	OH6NIO	DS1JFY	SM5CZK
JN1BMX	WB8ZRV	ON7DR	EA1YO	SP3XR
K1OA	WD9DZV	UN1L	GM3YOR	W1DIG
		VE6SV	HB9RYZ	W1EQ
		W0SEI		W2GD

W4BUW W4MBD W4RFZ W6JTI WE4S	N6HY ON4CAS OZ2RH SM4BZH SM6BGG SP6M VE3CRG W4AXL W4RBO W4WM W5SL W6DR W7AH W7CD W9FR WB3D XE2S	K9GL KO8SCA NA4EA NO9E OZ2ABI PY5EG R3VA R5QA R9AB RU1AO S51NM SP6JIU TA1CM VE3DO W2MPK W9ZT	VQ9LA W2WC W4IS W6RKC ZS1A ZS6UT	W9ILY WB0O WB2REM WD4LBR YU1EXY
134 CT3HF IK4DCS JA7LGE K1TO K1ZN K3OX KX4TT N9MR* N9RS NA5DX OE1TKW PY5HOT RG6G RX4HW SM0BYD SV5DKL UA0ACG W4JKC YU1AM	131 DK7YY G3UHU HS1NGR IV3KFB JA0AOO JA2TBS JH4ADK JJ1TEA JM1FHL K1UU K5VIP KC2LSD KH2L KM3V KM4H N3MK N4QWZ N5PHT N6RK ON4ON R0SR R9MJ R9SA W8DCH	129 HA1RB HB9AZZ JA1NWD JA8JO JI4POR K4TT K6XM N0YY N3KS N3RR W0YVA W7QHE W8MET	127 CT3KN HK1MW JA1DDH JA1WLO JA8RJE JA9KRO JH3AIU JS2LHI K0RW K3TRM KM3T N1AC N1GC OE8HIK SK7AX SP6A SP7ASZ W0CP W0RT W1OPD W3BG W3FOX W3MF XE1KK	125 9A1AD AG1A GW3TMP HK4SAN IK5DNF JA4IYL JA6VU JE1TSD JE6UWU JF2WXS JL1RUC K1HAP K5KG K8DV KA6BIM KI4WCQ LZ1XL N2KA N3EN N4JT N9RD ND5S NW6S OE1AZS RA0BA UU7JM VE3UTT W5DAW W8LMG W9CG* YO2RR
133 9K2NO EU1U HB9CQK IZ8DFO JA7GLB JA9AGN JR6FC JR7FRW K2CDJ KS4YT KU2A OE1KM RA5BM RV4LC UQ2PZ VE3WT W0NFL W2QO W5AJ	130 DF9ZW E73M EI2JD G7VJR HK0HEU JA2FBC JG1DUZ K2MYR K3NK K6SIK K7LFY K8BCK	128 AA4SC DM2RM IT9ZZO JA2AHH JA2KSP JA9AA JE1LFX JH4GJR K0FF K3XA K4JAF K4SE K6LPO KG7CW KM4NS N5KM OH1ZK OZ1IKY R9SG S53X S55DX SM3GQP SV3DCX US8UW	126 DJ8WD DL9FCY F8BPN G4IUF IZ7EVZ JA1XCZ JA7KY JH3CUL JJ1DWT JN1RQV K2ZD K4JKB K4XU LB7ZG N8NA OE3SGU OK3CQD PA3EWP PA5TT VE3CX VE7BV W8MK W8REW	124 AA7XT IK3VBB JI1DHY KD4POJ NA2U PA0TCA UA0BA VA7CRZ VE1DUN W2JU W2RIJ W3FM W6CYX
132 AA4NC AB9M AD6W IT9RDG JA2KVD JA6CBG K6YUI K9ZM				123 AB1OC AC4TO

DL7JRD	W2TB	N4UFP	DL5OCE	UA6J
F4GTB	WA3I	N8PW	JA4FHE	UB3A
G4WFQ	WA7BNG	OE3EVA	J18DGO	UR9IDX
G5LP		OZ2A	K3FRK	US1CT
HB0WR	121	PZ5RA	K3WGR	VE3YF
IK2CHZ	AA6RR	RL3BZ	K4CNW	W4ZRZ
IK3XJP	DF1DB	SP7ITB	K7PI	W6SL
JA0CRG	DK1EI	SV1IW	K8LN	W8ZR
JA1SJV	DK6CQ	UR5IKN	K8WVA	WA2USA
JA3MHA	HB9DHG	US0YA	K9DR	
JA6WJL	IK2SGB	W2YR	KD2T	116
JK1EXO	JA2HYD	W3OA	KD6UO	AA8CH
JR1EBE	J14WAO	W4PRO	KG8CW	AJ4F
K2PK	KD8RQE	W6RFL	KV4AA	DL7URH
K3XO	KG9Z	W7RN	LZ2HM	EA5BRE
K4ZIN	N0OK	WT4Q	N2MM	HA7PF
K5GH	N1JP	ZL4AS	N4DJ	IK0EIE
K7UT	N3ND		PY2PA	IK2OHG
K9CS	N6HC	119	RN3TT	IT9TQH
KV4T	SV1AHX	AA3AZ	SV9COL	IV3HYD
N2ED	UQ1GWW	AA4DD	TA2RC	JA1WTI
N4DWK	UT4EO	AE3T	VK4CAG	K1DC
N6MZ	UU2JQ	AJ4A	W1KSZ	K1RI
N9JV	VA3AYA	DK3GG	W4DAO	K9FN
N9LQ	W0QQ	EW4M	W4NJ	KT1V
NA2P	W2GG	G4DJJ	W5JMW	KV1J
NA9RB	W3RJW	HB9AAQ	W9FI	NA9Q
S50B	W6XI	HB9BCI	WX3P	OZ1LCG
UA3DK	W9XX	I2TZK	YO4AUL	PA0JSE
UR9QQ	W9YE	I4MKN		RV3ID
UT3QU	WA1PMA	IU0LFQ	117	TZ4AM
W1AO	WY1G	JA3AZD	9Y4VU	UA4PCM
W4NF	XE1VIC	JA4XGC	AE0P	W1ENE
W8NJR		JE2JMV	BH4IGO	W1WEF
WB8K	120	JH6CDI	DL1DWT	W7GG
WV4TN	9A5F	K5UZ	G3PLP	W7OEV
XE1H	AC9EM	K7EG	IT9AAI	W8LRO
	AL7TC	K8KWT	IT9DAA	WQ5L
122	DL2VWR	K9SG	JA1HQT	
BA4RF	EI2GLB	N0KV	JA4FM	115
G3NDC	FG5FR	N9UA	JA7GYP	AA5JF
JA1MRM	HB9BLQ	NT2A	JA7IC	C6AGU
JH1AGU	IZ0LKV	NY7T	JM3GXU	CU2CE
K1ESE	IZ5NFD	OH5NG	JR2UBS	DL9GOA
K1YT	JA4EPE	OK1DT	K1BZ	G4XEE
K2MP	JR3UIC	R6FFB	K2BB	G8BCG
K7ZA	JR6LLN	SV1ACK	K6PJ	G8DX
KR0P	K2BA	W0RX	K8OOK	HA5UK
LA7WCA	K2HK	W4HZ	K8QM	HK3PJ
LA8PT	K3QIA	W8FIB	N2BJ	IZ7JVR
N3NR	K5JC	WC2K	N4IR	JA2KNW
N9AW	K6FW	WP3R	N6MB	JA3NHL
NN7X	KA8ZPE	XE1RCS	N8AA	JA5FDJ
OZ3Y	N4BAF		N8XI	JG3LGD
RD4A	N4LR	118	NY4G	JH1RFM
UU4JMG	N4TB	5T5PA	SM7BIC	K0GD
VE6AX	N4TL	AB2E	SP8HKT	K0SD

K4CMS	XE3ARV	DL5CL	F6ECI	K2BLA
K4GHS		EA1JO	G4DBN	K3JRR
K4GK	113	EI8IU	HL3GOB	K3PH
K5XM	9A1A	EW1DO	JA1AUD	K4WW
K8YTO	DJ5DT	G3XGC	JA1FGB	K6MI
LY4T	DJ9RR	HB9CEX	JA1NCZ	K6VKO
N0IRM	DL8CM	HB9CRV	JE2EHP	KB4MRX
N4OA	DL8DYL	HB9G	JE8TGI	KC2STA
N5BO	G4AFJ	IK2ANI	JF2WGN	LZ1PM
N8KOL	HB9EFK	IU8FRE	K5WAF	N2CG
PA3AXU	JA0GCI	IZ4DIW	K7ORK	N3HBX
RZ6MJ	JA1OVD	JA1SXR	K9AJ	N3IQ
UA1ANA	JA4ITW	JA4BXL	KM1R	N3JB
UA1CGS	JH1ORA	JA7BXS	KZ0X	N4KE
UA6XT	JH3GCN	JR7TEQ	LA0CX	NC6K
UN6T	K0TPP	K0JPL	N4WJ	NK7C
W4UCK	K2HAT	K1EDG	N7BD	NY4I
YL2CZ	K8SL	K1KO	N9HF	RD9M
	K9GWH	K4UAS	NA1DX	SM5BHW
114	KA4RRU	K8CC	UR6QA	SP9WZS
BA4DW	KH6DX	KB2FCV	UT1UY	SV1VS
BA7IO	KI0G	KI4DLS	VE6KC	UA3O
CT3FN	KT1J	KM1C	VE7CT	US7MM
CU3AK	N7KO	LA8HGA	VE7UF	W0UY
DL6NB	N9ISN	N5ZC	W0VHF	W3XY
F6CWA	NA3F	N6MA	W1FO	W4DC
G3SDL	NG0G	N6PE	W4HOG	W4NE
HP3TA	NI5F	RU4SU	W4OX	W5ZPA
I5OYY	NK5B	SM3DMP	W5AQ	W6KK
IK7YZG	ON5UE	UA1ACG	W7VS	WL7E
IW0HEX	R7NA	UA1CEI	W8KA	XE1FAS
JA4KDT	RA4UN	UT6UD	W8MIL	YU7AU
JA5WIZ	RZ3AUL	VE7XF	W9RB	ZL3NW
JH6WMJ	SM5ARL	W1HEO	WA2BOT	
K1RV	SP3EPG	W2CVW	WA2MUA	109
K2DC	SV1FKZ	W2SKI	WB4TDH	DF1KG
K3MD	SV1JFV	W3MR	WB9EEE	EA3GHZ
K3NF	SV2AVP	W3UL	YL3DQ	EU4T
K3OSX	UN7TW	W4VHF	YO6HOY	F8EZE
K5CD	VE3KI	W5VX		G3SVD
K5RJ	W2GW	W6TC	110	J68HZ
KB8U	W6BK	W8GEX	BA4MY	JA2CXF
KZ4V	W8FAX	W8HMK	DG7RO	K2ONP
N1QY	W9DX	W9SE	DL1VDL	K4RDU
N2JJ	W9HBH	WA8OLN	EA5BYP	K5FZ
N3MN	W9VNE	WT9U	F5BAR	K5KA
N4IQ	WA4DOU	ZP6CW	G3LNS	K5KPE
NU8Z	WB2HJV		G8AJM	K6MW
UA3FT	WB2UFF	111	HC1BI	KE1F
W0VX	WS4C	AA4U	I2BBJ	KZ5DX
W4TUN	XE1RBV	AB4GE	IK5RUN	N1BZ
W5VY	ZL1BYZ	AF4OX	IK8UHA	N2WLG
WA1FCN		CU3AN	IZ0CKJ	N7TY
WA4CEM	112	DK2WH	JA7EPO	N8NN
WA8MCD	A92IO	DK6ED	JE2UFF	ND4V
WA9YYY	DJ1RL	DL1HRN	JH1VHU	NN4RR
WN9O	DK5RL	EV1R	K1EO	NU4I

NX7U	WA2ALY	W9CPV	W1CWU	PY2DS
PY5CC	WA8MOA	WB6CJT	W2EQ	R6YY
RW4UU	WB8BZK	WB8ART	W2LE	RA6AF
RW9QA	WC1M	WS1L	W2NO	RD4WM
RX3AGD	WC6DX	XE2YWH	W3ICM	SP5JXK
TG9NX	WD9EQU	YL1XZ	W4IR	UA6LCN
UB5ZAL	WW1WW	ZL3RJ	W5JAY	UR1RWX
UT7KF			W8OP	UR2RGN
VU2CPL	107	106	WA4MYO	VE1PZ
W5WP	4Z5LA	AA4FL	WA6TLA	VR2MY
WB5TUF	DJ8ES	AE2U	YL2GN	VY2ZM
WN0L	DK3FB	DJ6OZ	YU3EF	W1LE
YV3AGT	DL1QQ	DL2NOM		W1LY
	DL2CHN	DL3JSW	105	W4OWY
108	DL5XU	DL6JZ	DF2PI	W5KI
AI2Q	DO4DXA	EA3CCN	DF8AA	W6FF
AL7R	EA5AT	HA8DZ	DJ3XD	WQ5W
DL6CNG	EA7QW	IK0ZIO	DJ6KH	YU1NR
ER1LW	FG8OJ	IW3GJF	DL4ZAB	
G3VAO	G4AKY	JA1VLK	DL6XK	104
HB9BAT	G4RGK	JA2MNB	DO1CTL	9K2OD
HB9FAN	HI8R	JE6IGP	ES1GO	9M2AX
IK0PRG	I5IHE	JG3HBO	G3YUV	AD1C
IZ0BTV	IT9XTP	JG5RVQ	HA8FW	AG4Q
IZ2EWR	JA5EY	JH2KKW	JA1BWA	AH0U
JA2MOG	JA8JTH	JH6PFY	JA1TAA	CP8HD
JJ2PIK	JH9DRL	JJ0NCC	JA4EVN	CX3CE
JK1MZT	K0MD	JR0EQQ	JA6VA	DK3BK
K1EP	K3SW	K0DEW	JA7BME	DL4FAP
K1XM	K3YBN	K1PX	JA8RRF	DL7UPN
K2CJ	K4SAF	K4DSE	JA9APM	E73D
K2KQ	K8LBT	K5AM	JF1RYU	EA8ZS
K2MK	K8ZR	K5ZQ	JO4CFV	EI9E
K4WY	KB9DAK	K8JJC	JR1BAS	F6AJA
K4YJ	KE2R	KD9HL	K1DJ	F8GB
K6UT	KZ1W	KK8X	K2XF	G3BRD
K8OM	N2RR	KK9H	K4MS	HB9CIP
KM8AM	N3DAP	KP4AA	K5AV	HK3O
KN4JX	N4RF	KQ3F	K7OX	IK0DWN
LU2DKT	N6EE	N0JZ	K7PO	JA1SDV
N4MEC	N8AGU	N2CW	K9RO	JA2FGL
N6RFM	NA5Q	N2SQW	KI5T	JF1EGO
N9SF	OE1CP	N3XM	KT2E	JF6WTY
N9TF	OK2BUZ	N8AID	KX2A	JK1BSM
NU4Y	OK3CQR	NA5Z	LZ1JZ	JO1WYO
PA0ZH	R0FA	NI5M	N2DPF	K0WK
R5FY	RN4AA	NS3L	N4JI	K1BG
R7LA	RV6ARZ	OE5CSP	N4NW	K3FM
RX6DX	SP3BQD	OH2OT	N4PL	K4KEW
S57J	SP6AXW	OK1AYU	N4SC	K4MF
SM6AOU	US5CB	OK2BVG	N4VN	K4VIG
UX7UN	VE3OI	S57AL	N6NU	K5HK
UZ6LWZ	VK3NX	UR3CRO	N7DR	K6UM
W2UB	W3KB	UT7UU	ON7PQ	K7TJR
W3NRJ	W6TDX	UU5WW	OZ4AAL	K9EA
W4ZYT	W8IW	V73AZ	PF7M	KA2BZS
W7ACD	W8VK	VQ9SS	PJ2/K8ND	KH6KG/W5

KI0KB	G3BDQ	W5VU	SM6WET	JI3KDH
KW0A	G4AAW	W6SZN	SP5MXZ	K0FLY
LZ2XF	G4PUQ	YO7APA	T77V	K0LW
N3ER	G4VGO		UA1AIR	K1YR
N3TR	I0OSI	102	UA1CKC	K2BX
N4GU	JA2GQO	A6/RV6LNA	UA6HOF	K2TER
N4TTE	JA2OLJ	CT4BD	UA9MR	K3SEW
N6PF	JA3FHL	DK3QM	UA9UCO	K4NNX
N6WM	JA8EJO	DL3DXX	UW7CN	K5DNL
N8MZ	JH1DGQ	DL3NCR	VE2FYR	K6AAW
N9DR	JM2RUV	DL4CW	W0JMP	K6XJ
N9PGG	K0EOO	DL4KUG	W1MRH	K7AR
ND3L	K2UVV	DL5RDI	W1PV	K7IA
NJ9C	K4LQ	EA8AKN	W2LW	K8BN
NN3Q	K5JUC	EI4DQ	W2TX	K9JU
RA1QX	K7BTW	EI6GF	W3EKT	K9PG
RU3UR	K8CCV	ES5RW	W4ALF	KC4PX
RZ6DX	K9MUG	F6BWO	W5TO	KD3UY
RZ6LB	K9XJ	FM5WD	W7IUV	KE1VT
SM5CCE	KE1IU	HB9AHL	WA0IDK	KE4S
SM7CQY	KJ4R	I8LWL	WA1S	KF7NN
SO5AS	KJ7WY	IT9SFT	WD8DSB	KN6J
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US5CAO	LX1DA	JA0HXV	WW5G	KS4XQ
UT4EK	N0RU	JA1JAT	YO2CMI	LA2GV
UT7EC	N1HOQ	JA6OXT	YO2IS	LA6UL
UX4UM	N9BBQ	JA8OW		LZ1XZ
UY0MM	NU1T	K0YN	101	N0STL
VE3VHB	OH3GD	K1PTF	AA2VG	N2AJ
W0YBS	OH4UI	K2LP	AA3LX	N5AQ
W1QA	OK1DQT	K2TK	AA4NU	N8AG
W3DRY	OK2BQU	K3KG	AC2AC	N9JCS
W3TMZ	OK3BRK	K4AQQ	AC5O	NE1F
W5CWQ	OZ7JZ	K4KAY	CT1JGA	NX2X
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W6PH	RA0FA	K7BHM	DK9WI	OH3TY
W7DR	RA4HT	K7UA	DL1KS	OK1PGF
WA0I	RK3QY	K8BHZ	DL3ANK	OK2BOB
WA0RVK	RU3OW	KJ6NZ	DL5JS	OK3EY
WA9ETW	SM3CBR	KN4KL	DM3ML	OK4MM
YC0LOW	SM6EHY	KW4BY	EA1WX	ON4LG
YO5ODE	SM7BHH	KY6R	EU1TT	OZ5HP
	UA3PFN	LA3ANA	G3ZFC	PA4WM
103	US2WU	N5RZ	G4FJK	RA3AH
AG1I	UT2AB	NZ3M	GM3WTA	RA4P
AI3Q	VA2ZO	OH2EA	HB9NL	RA4SD
DJ1MM	VA3IC	OK1DTN	IV3GOW	RB7GG
DJ3GZ	VE3EDY	OK1JDX	IV3KCB	RK9F
DJ7PI	VE3MFA	OK3CSQ	JA1VVX	RY6M
DL2HX	VE3VV	PA7TWO	JA2VMU	SM2DMU
DL8YRM	W0QC	PV8ABC	JA6TMU	SM7NDX
DM5TI	W0UVC	PY2DO	JA7SFD	SP7JLH
DS3HWS	W1CTN	R2AB	JE1SYN	SV1PL
EA7SG	W4AVY	R3IS	JF1RPZ	UA0FDX
EU6MM	W4MZ	RU3UN	JH3HGH	UG6GAW
EW3LB	W5THT	S59DJK	JH3PRR	UR7CQ

UT1CC	JA1CPU	NN4SS	YO9FLD
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UT7HA	JA4FSH	OK1DXD	ZS2DL
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VE3XB	JA9CGW	ON4ANN	
VK2GR	JF3DRI	ON7EH	
W1AW	JH7BKN	ON7GB	
W1FC	JS6TWW	ON9CC	
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W3WH	K1NA	PA7RA	
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WC4H	K7VIC	S53MJ	
WK9U	K8BZ	S59SV	
WR2G	K8CR	SV1VJ	
YO2OXD	K8CS	SV2DSJ	
YO6BHN	K8LE	UA3AKI	
YV4DYJ	K9NZ	UA4PAY	
	KB0EL	UA6CEY	
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AA4AK	KD8BZY	UR8IDX	
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AC4VM	KQ5M	VE3OAT	
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DJ6OI	LU5OM	VP2VA	
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DL1TRK	LZ3YY	W0GYH	
DL9GTB	MM0SJH	W0MU	
DU7ET	N0AH	W1AN	
EA1CP	N0ATQ	W1YRC	
EA2AAZ	N1KI	W2CCC	
EA3ALD	N1MD	W3BBO	
EA8AXT	N2SG	W4HHN	
EC5A	N2XQM	W4MAY	
ES5NC	N3AF	W4OEP	
FM5GU	N4CRI	W4OV	
G0VXE	N4ZR	W5BK	
G3OIL	N7DED	W7DT	
G4CGG	N7TK	W7JET	
GM3ZSP	N8IL	W8CNL	
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IK0HFO	N8OQ	W8GDQ	
IK4MSV	N9ADG	WB4SON	
IS0/YO3RA	NA6O	WU2M	
IW0BYL	NB3R	WV9L	
IW0HQE	NG7A	YB1TJ	
JA1BRK	NJ3I	YL2SM	