

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 01 May 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	328 R4GM UA4CC	317 W3LPL	RZ3AM SP2FAX	UA6A	299 JA4DND K4TEA N1BUG OE1WEU SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	316 W2VO	310 I4AVG KJ9I RA3CQ SM5BFJ SM6CVX	304 CT1EEB DJ0MDR SM3GSK	
340 K1ZM	324 K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA K5RK N1DG OH3SR S50U W1JR	309 UT5UGR W5IZ	303 F5LGE GM0GAV JA1BK JA4LKB K1UO RU3DX YU1FW	298 9A2AJ IK2DFZ OE6IMD OZ3PZ SM5CEU
339 W4DR W4ZV	323 EY8MM SP5EWY	314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM3YTS	297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS
335 OH2BU	322 UX0UN W3UR	313 GM3POI OE3GCU OG2M OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK SV8JE	296 DF2UU F5NTV G4PWA ON5NT RY9C W1JZ
334 N4WW	321 WB9Z	312 OH1MA S54E	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR VA3EF	295 K3UA SV8CS
333 R7LV	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA RA7A	305 JA7NI K4ZW N4IS NN4T		294 DL1AMQ JH2FXK
332 UR0MC	319 N0XA SM4CAN				
331 K5UR LZ2DF					
330 AA1K HA0DU OH1XX UT7QF					
329 K3UL UA4HBW	318 4X4DK W9ZR				

LA5HE RJ3AA WD5COV	287 CT1APE DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	JA2PJC K1CP NJ6P S59Z W4TO	SP6AEG UW2ZM	267 LU8DPM RZ3DX	K1LT K4DY KX4R
293 N0TB S58T		280 EA6NB SP6HEQ YO3APJ	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD	259 DF4PL F6GCP G3ZSS I1FQH R9FM
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	286 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		258 KW9A N5KD RN3CT VE3QAA
291 9A7V DF3GY IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	285 G4CCZ HB9BGV UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU CT1EKY DL1DUL DL2OE OH1LEU SP6CIK	265 AA4V AA6YQ AA7A K4XP RW0LT SV8BHN YO5BRZ	257 K1GUN N8TR W9YSX
290 UA3AKO	284 K5XI SP3DV			264 IK2YCW K7ZV W1GL	256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF
289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW LA5IIA N3NT W2SM W3AP	255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI
288 PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	282 DL1YD I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	276 DK5WL G3LZQ N8RR N9IW OK1AWZ VE2TZT	270 AA1V JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA KR9U W1YY	
		275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU SP5CJQ	269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S SP5DIR	254 N0AT OM3DX WA4FFW
	281 DF2PY HB9BIN		268 DL5DSM G3WPH RA3XDX SP9JZU W1MK	260 EA5BM	253 5B4AGN AA1QD K5ESW

S58Q UA1OMS W0YG	NN4X NO2R R7IA WB3AVN	OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	OK2ZI OZ4O SP8AJK YO9HP	N6AR N7NG ON4ACG W9IXX	K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT
252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ	240 G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN WA7NS	230 DF6PB FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ WA7NB	225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW
251 DJ7RD DL9RT I1EIS JH0BBE K9NW N4II PY2RO W5UN W7LR	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 S51DI	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	
250 HB9RG NQ1K OZ8BZ	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 DL8WN EA6ET IK0XEZ JA0DAI K1DG RA0FF VO1HP W3LL	233 K0CS K2UU KA7T SK3PY SV8CKM UA4HAU VA2WA W1TC W7AO	228 AF9H AI0O E72A EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ	224 DL5WW IZ1LBG N0AV N8BM SP5INQ VK6VZ W2RQ
249 AB3CV AI9L JR3IIR SP5DRH	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G		232 DJ5FI JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP	227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX
248 K3WW K5RX K9RX N2NL SM3VAC SV8GFW T77C UT9FJ W9NGA	242 EA4KD KG7H	237 DL7MAE NI0G OM4EX UR5EDX			222 IV3JVV K3SV K6EID K8ZTT N5AW N8PR N9BX SM0CCM SP7GAQ
247 K0IEA K6XT	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY N7RT	236 AB4I AC4G K1JO K9NR K9ZO KC7V	231 4X4NJ HA9RE IK0YUT	226 I3BUI JA6BZI JF2KOZ JR6EZE	

221 JA2WYN K4MWB K8FH K8SIX MM0EAX N6VR W1ZK W6JRY WS6X	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	K4MQG K8ZH KE9I KG6I LA7JO N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	UY1HY W6PJ W9EWZ	203 JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	LA5YJ RW4NN RW7M UY0ZG W0DD W0MHK W1NT W2IRT W3GG
220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR WA2HZO ZL3IX	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO N4DW W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP JF3KON LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA OK1DX RN7G W4NL	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	206 IK0IOL JA3PIS K2VV K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW	201 CU2DX DL1EJA F4BKV JF1PUW JO7WXN K3HP N4QS W5TCX	198 DL1ROJ G3UJE G4BUE IT9JNR KB8VAO RX3APM W8HB
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA NA2M RU4SO W0LYI W1FJ W2WG W3YY	209 DL5CF DL9MRF EA1RT EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA W8UN WB8ZRL	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS	196 4Z4DX AA4HP IK4PLW IZ8FWN JA3RAR JA4PXC K8PO KP2A
217 DM5EE JH1IFS K5PC KV7K ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J	204 DJ5AV EA5KA IK7NXM JA9NFO K3LR K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US K9YY	

ND0N	192	KB0EO	KB4ET	179	W4GD
RA9CMO	9A2NA	KB1EFS	S57AC	IT9ELD	YO7NE
RZ4FO	CT1IUA	KE9ET	US8UA	IW0SAF	
W2FCR	JA7JWF	N8LJ	W2YJ	JR7BDQ	175
W4UM	JH1RFR	RM0F		K8WK	JA1CHN
	K3FN	W6SR	183	N2PK	JA9NLE
195	K4FJ	W8JV	CT3MD	OK1MG	JS3CTQ
EA3JL	K5XX	WA3C	IT9INO	S57UN	K4DLI
EA5RM	K7GM	WA6YEE	K4CN	SM4DDE	K5GKC
G3ZEM	K9EU		K8VC	SV3FUP	N7IR
JA1EOD	KF7PG	187	N9MB	W8KEN	N7XR
JH1QAX	N4DB	AJ1H	NN2L		PE1L
JN7FAH	OH2IS	K0SR	ON6SAS	178	SP1MGM
K7SO	W3UA	K6SRZ	W2FP	4Z5CX	TF3SG
K9RT	W3YQ	KL0S	W8NW	EA3CJ	VE3FF
KF8UN	W8LGJ	KN5O		JA4MRL	WX0V
N1SV		N2NS	182	K2UR	
NK1K	191	OK1CZ	DJ9ON	LA0FA	174
W5ZG	JA1ANR	SM0NJO	DK3UA	NE0U	4Z5MU
W9OP	K0JGH	W7AWA	HK3W	SM7DLK	JA0GJJ
	K8FC		JA1SHE	SV1JG	JA1PPW
194	K9LA	186	K8RRT	W6NWS	JA2XW
K4KDX	RK2FWA	9A8A	UR3EO	W7MEM	JA7MOL
K9JF		IK2QPR	W1YM	ZS1LS	JF7DZA
KB9LIE	190	JA8DNV			JK1OPL
KC9ARR	IZ8XQC	K0BJ	181	177	JR6PGB
LA7AFA	JA1DUH	K3PA	DK3WW	9H1SP	K0TT
W2LO	JA1MCU	K7LAY	JA3ENN	AE5E	K1KI
W4FC	K2TE	YL2TW	JN4MMO	CT1GFK	K2KA
W9OO	K9KU		K2EP	IK4ADE	K3AJ
WD8JJA	KM1D	185	LZ2ZG	K3WC	K4TR
WN6W	N4XU	AB6QM	N3OC	K9NU	K4WS
	N5GH	CT1EAV	VE3OSZ	SM6DHU	OE1WHC
193	NE1B	EA6BF	W9AJ	W2OR	RN7F
DF2GH	SP2LNW	G3KWK		W5LT	UA3LNM
DK1FW	VE7VV	IK3SWB	180	W7FI	W8UV
DL5ZB	WE9R	JA2LCP	DM2DXA	WB7B	W8VVG
DL6ZXG	XE2X	K5ZD	DM3VL		WT8C
EA3WD		LA3WAA	EA8JF	176	
HA5BSW	189	N4TJ	JA2BDR	CT1FPQ	173
JA0EOK	9A2F	N5UR	JE2URF	EU1AB	5B4ALJ
JA1XEC	EA8PP	OE2BZL	K6SSS	I6FLD	I1JQJ
K4ODL	FM5CD	SP3FAR	K7BG	JA0DET	JA9TWN
N5LZ	JA0VSH	SV1DPI	LA9AJA	JA5IU	K1NTR
N9EN	SP7HOV	UA9CBO	N1RR	JA6BJV	K4XR
PA0LOU	UA7T		N4AH	JA8KSF	K9YC
RN1ON		184	ON5FP	JL1SAM	KA1J
SM7GIB	188	HA5WA	UT2UB	K8MN	N5FG
UA0CA	AA1ON	I2AOX	W1RM	N5OK	PY5EW
W9MU	AB4IQ	JA2ZL	W7BEM	OK1DWC	W8HC
WA2VYA	CT1FMX	JF1NZW	W8TN	RL3FA	
	JA1KQX	K4HGX		SM5FUG	172
	K0BBC	K5KLA		W4BP	EA7TV

G0BLB	N4XX	K3KY	WW3S	WX0B	YV2IF
G3NKC	N7US	K4JLD			
IZ5MOQ	UT8MM	K4PB	162	159	156
JA3FGJ	UY5AA	K4ZYU	4O3A	HB9TKS	AB9V
JG0CQK	W6RW	OH2BLD	9A4W	JA4FKX	DL4MM
JG3IWL	W7YAQ	RM3DA	F3AT	JH6QFJ	IZ8IEV
K0DEQ	WA9PIE	W0DJC	JA6GIJ	K4RO	JO7HAM
K1BD	WB3JFS	W1RR	JR5JAQ	OK2ZV	K0QC
K6FG		W8ILC	LB6KC	UN7JX	K8YSE
KJ0M	168	WA8TXT	N8MR	W3HKK	KS1J
W3JX	G3MXJ	WP4U	RW3RN	W6BJH	N3RC
W4FQT	IK2EGL		W0HT	W7SX	N3UA
WC4X	JE7JDL	165	W0TT	WD5BJT	OE5RLM
	JF2UPM	DL7UCX	W1LW		UA3SAQ
171	K5QY	F6HDH	W8WEJ	158	VA3LX
AA9D	K8RYU	I2ZGC		DJ4PT	W1YIF
DL6KR	KR4F	IK0AGU	161	DL1FKA	W4TV
G0EHO	N4QQ	JE7RJS	DK2GZ	IT9DSZ	
HA9PP	N8BJQ	JH7CFX	DL6RAI	JA9APS	155
JA6HUG	PA7F	K5JZ	HB9DHK	JH1TWT	DL1RK
JR1TNE	SP5GH	KK4CB	JA1DOF	J11FXS	DL4SZB
K1NU	W4SVO	N4HB	JH4ALY	J11NJC	JE3GRQ
LA5LJA	W6VX	N9FN	JH4CPC	JR1GJP	K2LS
N0RN	W8OI	NY0V	K1USA	K5TT	K4RG
N4OGW	WA0MHJ	RC9F	K5GO	K9GA	K4WA
N7RO	WA5YNB	SM4CTT	K8ND	OZ1HX	NE0DX
N9RC		SP6EQZ	LB2TB	RU6M	NW7E
RA3DNC	167	W5BN	N4GN	SM4EMO	SM6VR
SV1LK	DK5AD		OH6RA	W0SZ	WE1P
UN9L	JA6VQA	164	VK3HJ	W1OX	ZS6EZ
	K4XD	GU4YOX	YU2TW	W2XL	
170	K6KO	HA7UW		W3GQ	154
DJ6TK	K8NK	HB9BZA	160	W4QN	3V8SF
JA6JPS	K9MBQ	JA1RTX	AD5Q		GM3PPE
JE3ENP	N0IJ	JA7ZP	DK1WB	157	HB9BUN
JF1WPB	N3BNA	JH2SON	DL1DA	AA4H	JA8NFV
JM1GYQ	PA3C	K1NJ	EC3A	AC6DD	JR3OEH
K6ZZ	RA1AOB	N5WA	EI6FR	DL6MRS	K0KVR
KI5BLU	RN9N	RA3ZH	IK0FUX	EA5BY	N7WS
N4PY	S51EC	RN3OG	IW2FND	G3TQZ	NX8Y
SP3GTS	VE6WQ	SV2AEL	IZ4DPV	G4GIR	W1NA
SV3KH	W1YW	W4DKS	JA2EPW	JA1GHH	W2XI
W3IP	WA4LOX	W4NS	JE2OVG	JE2DZC	W5DNT
W9EVI	WC5N		JF2XGF	JH2QMT	WB0TEV
WA3AFS		163	JR7MAZ	JH7IAJ	WS7L
	166	9A2JK	K3MSB	LY5A	YS1RR
169	4Z1UF	DJ9HX	NR4M	N5MOA	
IK0PEA	DJ4SO	JE2LUN	RU6L	NE9Z	153
JA1ADT	HB9FMN	K7NN	UA0FZ	RU4UR	AA6AA
JE2LPC	IV3TDM	K8TL	UX5UO	SM3PHM	AJ9C
JR1IZM	JA1FNA	UR4CWQ	W1BR	SV8ZS	DL3ZA
K1LI	JA9LJS	VE3CFK	W5XC	W2TA	G3TJW
N1EN	K1KA	W7AL	W9RN	W5GZ	HL2CFY

JF1IRW	W7RH	K5VWW	N5XZ	K4WZ	W4NU
JR9OPJ	WA1Z	LA6OP	NA5C	KK1W	W7IV
K7SP	WA2BCK	N2WB	RT0F	LA9VFA	W8GNM
K8VfV	WP4G	NE3F	SM3DTR	MM0SAJ	W8LWU
KR2Q		W2/CT1GIF		N7QT	WO2T
N4TV	150	W5FKX	144	NA4D	YL2MU
N5TW	EA1AF	W9JJB	CU3EQ	NQ7R	YO9FNP
N8II	IV3RAV		DL5CW	NY2NY	
R9OK	JA2NQG	147	DL5KUA	OK1DO	139
SM6CLU	K0RS	EA3GP	E70T	W2OO	DF7EE
SP5CCC	K5TR	F5PAC	EI6IZ	W5ADD	DJ4XA
UT5UY	K7LV	IV3VBM	GM3ITN	W5LUA	DL5EBE
WB8BPU	K8AJS	JA1XQC	HB9BYQ	W5VQ	DL8OH
	KD0PO	K7HP	I5MXX	WA5POK	JA1TMG
152	KU4XO	K8UT	IT9GSF	WB8CQV	JH0BQX
EW2A	N3QE	KM1H	IV3DXW		J11DCW
HB0CC	N9CO	N1IBM	IZ4GWE	141	K3ANS
JT1CO	OE8SPW	PC3T	JA3GN	AC9S	K6AM
KQ4AV	SQ5EBM	W1OP	JE1FQV	DL5MHQ	K8GI
KS3F	SV1CNS	W2KKZ	K0VSH	EW1BA	K8RF
N9OY	UA6YW		N1IX	HB9FMT	KA8SYV
S55ZZ	W6DAO	146	N3KK	JA1PTJ	KU0A
UA6IGI	W7CT	EU4A	SM4OLL	JA2ATE	LA8WG
UN7LZ		G4FTC	SM5CLE	JA9RRH	OK1MP*
UT5AB	149	JA1HQG	W4GE	JH1HHC	OK2QA
VE6LB	DL7CX	JA4DHN	W7ZI	JL1UXH	SM5CBM
W1SKU	HB9HFN	JA5XAE	W8RLS	K2RW	SV8ZC
W1VT	IK4FNF	JH1GNU	WC5M	N8OC	W0SD
W6RLL	JA1SVP	K1CA	WD5T	NJ3K	WA8WV
W7AJ	JL1ARF	K5KV	YO3CD	OE6VIE	
WB3CQM	K3RA	K5SM		SV3FUO	138
	K3TN	K6NR	143	W2CG	DK8MCT
151	K4YYL	K7WP	DL1DUO	W3BW	DK8YY
AA7G	K8ME	N7BT	DL6EN	W4JVN	EI9FBB
CU2AP	K8ROX	RU0SN	HS0ZEE	W4VIC	F6DDR
DK2OY	K9MK	W1IZL	K7CMZ	W4WT	IK8EPC
EI9JF	R8TX	W1ZT	K7CW	W8HW	JA3OOK
F3SG	SM6CUK		KJ9C	ZS1C	JF3LOP
HB9SLO	UW7UA	145	N2RJ		JH7RXU
IZ3ENH	W0GG	AF4HX	N2WM	140	K1RO
JA2VQF	W7HPW	HI3T	N5UW	9A1CAL	K2RET
JA6BEE	WB8B	I0JBL	N6PAT	DF2RG	KJ6P
JH1NYM	WD5K	JE6TSP	NN4R	JR2LJO	LB5WB
JR1XIS	WS5W	JJ3HGJ	W0IZ	K5WK	ON6AA
K2AX	WW2DX	JK1AJX	W6QUV	K6KLY	OZ8X
K2FW	YO3DDZ	JN1BMX	WB8ZRV	KF8DX	RW4CY
N5JB		K1OA	WD9DZV	N4XP	UN7JID
OK1ATP	148	K3VAT		N6PSE	V51B
RD3A	CT1FCX	K4OY	142	OH6NIO	W1GD
RU3A	DK2CC	K8BL	I5HOR	ON7DR	W2YE
S54A	F5CQ	KF6HI	IT9BLB	UN1L	W4YV
SP7AWG	F5LVL	N1CGP	JR7WFC	VE6SV	W7OM
SV9AHZ	JH1QDB	N4GG	K3PP	W0SEI	

137	R7LP	W5AJ	R9SA	JE1LFX	G4IUF
DS1JFY	RN3RQ		W8DCH	JH4GJR	IZ7EVZ
EA1YO	SM3LGO	132		K0FF	JA1XCZ
GM3YOR	SM5CZK	AA4NC	130	K3XA	JA7KY
IZ0RVI	SP3XR	AB9M	DF9ZW	K4JAF	JH3CUL
IZ2FOS	W1DIG	AD6W	E73M	K4SE	JJ1DWT
JA3APU	W1EQ	HB9RYZ	EI2JD	K6LPO	JN1RQV
JA4OK	W2GD	IT9RDG	G7VJR	KG7CW	K2ZD
JH4JNG	W4BUW	JA2KVD	HK0HEU	N5KM	K4JKB
K2QMF	W4MBD	JA6CBG	JA2FBC	OH1ZK	K4XU
K6EME	W4RFZ	JR6FC	JG1DUZ	OZ1IKY	LB7ZG
K8NS	W6JTI	K6YUI	K2MYR	R9SG	N8NA
LA9GX	WE4S	K9ZM	K6SIK	S53X	OK3CQD
RA3CO		N6HY	K7LFY	S55DX	PA3EWP
RG7G	134	ON4CAS	K8BCK	SM3GQP	PA5TT
UU1JA	CT3HF	OZ2RH	K9GL	SV3DCX	VE3CX
W1ITU	IK4DCS	SM4BZH	NA4EA	VQ9LA	VE7BV
W5ODD	JA7LGE	SM6BGG	NO9E	W2WC	W8MK
WB5JID	K1TO	SP6M	OZ2ABI	W4IS	W8REW
	K3OX	VE3CRG	R3VA	W6RKC	W9ILY
136	KX4TT	W4AXL	R5QA	ZS1A	WB0O
E72U	N9MR*	W4RBO	R9AB	ZS6UT	WB2REM
ER0FEO	N9RS	W4WM	RU1AO		WD4LBR
HB9IQB	NA5DX	W5SL	SP6JIU	127	XE1KK
IK8CNT	OE1TKW	W6DR	TA1CM	CT3KN	YU1EXY
JH4HMG	PY5HOT	W7AH	VE3DO	HK1MW	
K0TV	RG6G	W7CD	W2MPK	JA1DDH	125
K7TM	RX4HW	W9FR	W9ZT	JA1WLO	9A1AD
KR6C	SM0BYD	WB3D		JA8RJE	AG1A
N2ZN	UA0ACG	XE2S	129	JA9KRO	GW3TMP
OK1DW	W4JKC		HA1RB	JH3AIU	HK4SAN
SM5OJH	YU1AM	131	HB9AZZ	JS2LHI	IK5DNF
SP2BMX		DK7YY	JA1NWD	K0RW	JA4IYL
UT3UZ	133	G3UHU	JA8JO	K3TRM	JA6VU
UW8SM	9K2NO	HS1NGR	JI4POR	KM3T	JE1TSD
W2OIB	EU1U	IV3KFB	K3NK	KM4NS	JE6UWU
WB7QXU	HB9CQK	JA0AOO	K4TT	N1AC	JF2WXS
	IZ8DFO	JA2TBS	K6XM	N1GC	JH4ADK
135	JA7GLB	JJ1TEA	N0YY	OE8HIK	JL1RUC
5B4MF	JA9AGN	JM1FHL	N3KS	S51NM	K1HAP
DJ9ZB	JR7FRW	K1UU	N3RR	SK7AX	K5KG
F6FXU	K1ZN	K5VIP	PY5EG	SP6A	K8DV
IK8GYS	K2CDJ	KC2LSD	W0YVA	SP7ASZ	KA6BIM
IU0HDC	KS4YT	KH2L	W7QHE	W0CP	KI4WCQ
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JA8BNP	OE1KM	KM4H		W1OPD	N2KA
JA8JL	RA5BM	N3MK	128	W3BG	N3EN
K1ZE	RV4LC	N4QWZ	AA4SC	W3MF	N4JT
K4ZRJ	SV5DKL	N5PHT	DM2RM		N9RD
K7FL	UQ2PZ	N6RK	IT9ZZO	126	ND5S
K7XB	VE3WT	ON4ON	JA2AHH	DJ8WD	NW6S
NZ9R	W0NFL	R0SR	JA2KSP	DL9FCY	OE1AZS
OH1JP	W2QO	R9MJ	JA9AA	F8BPN	OE3SGU

RA0BA	NA9RB	W0QQ	AJ4A	PY2PA	EA5BRE
UU7JM	S50B	W2GG	DK3GG	RN3TT	HA7PF
VE3UTT	UA3DK	W3RJV	EW4M	SV9COL	IK0EIE
W5DAW	UT3QU	W6XI	G4DJJ	TA2RC	IK2OHG
W8LMG	W1AO	W9XX	HB9AAQ	VK4CAG	IT9TQH
W9CG*	W4NF	W9YE	HB9BCI	W1KSZ	IV3HYD
YO2RR	W8NJR	WA1PMA	I2TZK	W4DAO	JA1WTI
	WB8K	WY1G	I4MKN	W4NJ	K1DC
124	WV4TN	XE1VIC	IU0LFQ	W5JMW	K1RI
AA7XT	XE1H		JA3AZD	W9FI	KT1V
IK3VBB		120	JA4XGC	YO4AUL	KV1J
J11DHY	122	9A5F	JE2JMV		PA0JSE
K4ZO	BA4RF	AC9EM	JH6CDI	117	RV3ID
KD4POJ	G3NDC	AL7TC	K5UZ	9Y4VU	TZ4AM
NA2U	JA1MRM	DL2VWR	K7EG	AE0P	UA4PCM
PA0TCA	JH1AGU	EI2GLB	K8KWT	BH4IGO	W1ENE
UA0BA	K1ESE	FG5FR	K9SG	DL1DWT	W1WEF
VA7CRZ	K1YT	HB9BLQ	N0KV	IT9AAI	W7GG
VE1DUN	K2MP	IZ0LKV	N8PW	IT9DAA	W7OEV
W2JU	K7ZA	IZ5NFD	N9UA	JA1HQT	W8LRO
W2RIJ	KR0P	JR3UIC	NT2A	JA4FM	WP3R
W3FM	LA7WCA	JR6LLN	NY7T	JA7GYP	WQ5L
W6CYX	LA8PT	K2BA	OH5NG	JA7IC	
	N9AW	K2HK	OK1DT	JM3GXU	115
123	NN7X	K3QIA	R6FFB	JR2UBS	AA5JF
AB1OC	OZ3Y	K5JC	SV1ACK	K1BZ	C6AGU
AC4TO	RD4A	K6FW	W0RX	K2BB	CU2CE
DL7JRD	UU4JMG	KA8ZPE	W4HZ	K6PJ	DL9GOA
F4GTB	VE6AX	N3NR	W8FIB	K8OOK	G4XEE
G4WFQ	W2TB	N4BAF	WT4Q	K8QM	G8BCG
G5LP	WA3I	N4LR	XE1RCS	N2BJ	G8DX
HB0WR	WA7BNG	N4TB		N4IR	HA5UK
IK2CHZ		N4TL	118	N6MB	HK3PJ
IK3XJP	121	N4UFP	5T5PA	N8AA	IZ7JVR
JA0CRG	AA6RR	OE3EVA	AA4DD	N8XI	JA2KNW
JA1SJV	DF1DB	OZ2A	AB2E	NY4G	JA5FDJ
JA3MHA	DK1EI	PZ5RA	DL5OCE	SM7BIC	JG3LGD
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JK1EXO	HB9DHG	SP7ITB	J18DGO	UA6J	K0GD
JR1EBE	IK2SGB	SV1IW	K3FRK	UB3A	K0SD
K2PK	JA2HYD	UR5IKN	K3WGR	UR9IDX	K4CMS
K3XO	J14WAO	UR9QQ	K4CNW	US1CT	K4GHS
K4ZIN	KD8RQE	US0YA	K7PI	VE3YF	K4GK
K5GH	KG9Z	W2YR	K8LN	W4ZRZ	K5XM
K7UT	N0OK	W3OA	K8WVA	W6SL	K8YTO
K9CS	N1JP	W4PRO	K9DR	W8ZR	KO8SCA
KV4T	N3ND	W6RFL	KD2T	WA2USA	LY4T
N2ED	N6HC	W7RN	KD6UO	WC2K	N0IRM
N4DWK	SV1AHX	ZL4AS	KG8CW		N4OA
N6MZ	UQ1GWW		KV4AA	116	N5BO
N9JV	UT4EO	119	LZ2HM	AA8CH	N8KOL
N9LQ	UU2JQ	AA3AZ	N2MM	AJ4F	PA3AXU
NA2P	VA3AYA	AE3T	N4DJ	DL7URH	RZ6MJ

UA1ANA	JA1OVD	HB9CRV	EV1R	IK5RUN	K5KA
UA1CGS	JA4ITW	HB9EFK	F6ECI	IK8UHA	K5KPE
UA6XT	JH1ORA	HB9G	G3PLP	IZ0CKJ	K6MW
UN6T	JH3GCN	IK2ANI	G4DBN	JA7EPO	KE1F
W4UCK	K0TPP	IU8FRE	HL3GOB	JE2UFF	KZ5DX
YL2CZ	K5CD	IZ4DIW	JA1AUD	JH1VHU	N1BZ
114	K8SL	JA1SXR	JA1FGB	K1EO	N7TY
BA4DW	K9FN	JA4BXL	JA1NCZ	K2BLA	N8NN
BA7IO	K9GWH	JA7BXS	JE2EHP	K3JRR	ND4V
CT3FN	KA4RRU	JR7TEQ	JE8TGI	K3PH	NN4RR
CU3AK	KH6DX	K0JPL	JF2WGN	K4WW	NU4I
DL6NB	KI0G	K1EDG	K5WAF	K6MI	NX7U
F6CWA	KT1J	K1KO	K7ORK	K6VKO	PY5CC
G3SDL	N7KO	K2HAT	K9AJ	KB4MRX	RW4UU
HP3TA	N9ISN	K4UAS	KM1R	KC2STA	RW9QA
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K1RV	RA4UN	N6MA	UR6QA	NC6K	W9HBH
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K3NF	SP3EPG	RU4SU	VE7CT	OZ1LCG	YV3AGT
K3OSX	SV1FKZ	SM3DMP	VE7UF	RD9M	108
K5RJ	SV1JFV	UA1ACG	W0VHF	SM5BHW	AI2Q
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KZ4V	UN7TW	UT6UD	W3FOX	SV1VS	DL6CNG
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N2JJ	W2GW	W1HEO	W4OX	US7MM	G3VAO
N3MN	W6BK	W2CVW	W5AQ	W0UY	HB9BAT
N4IQ	W8FAX	W2SKI	W7VS	W3XY	HB9FAN
NU8Z	W9DX	W3MR	W8KA	W4DC	IK0PRG
UA3FT	W9VNE	W3UL	W8MIL	W4NE	IZ0BTU
W0VX	WA4DOU	W4VHF	W9RB	W5ZPA	IZ2EWR
W4TUN	WB2HJV	W5VX	WA2BOT	W6KK	JA2MOG
W5VY	WB2UFF	W6TC	WA2MUA	WL7E	JA3NHL
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XE3ARV	112	WT9U	110	DF1KG	K2CJ
113	A92IO	ZP6CW	BA4MY	EA3GHZ	K2KQ
9A1A	DJ1RL	111	DG7RO	EU4T	K2MK
DJ5DT	DK5RL	AA4U	DL1VDL	F8EZE	K4WY
DJ9RR	DL5CL	AB4GE	EA5BYP	G3SVD	K4YJ
DL8CM	EA1JO	AF4OX	F5BAR	J68HZ	K6UT
DL8DYL	EI8IU	CU3AN	G3LNS	JA2CXF	K8OM
G4AFJ	EW1DO	DK2WH	G8AJM	K2ONP	KM8AM
JA0GCI	G3XGC	DK6ED	HC1BI	K4RDU	KN4JX
	HB9CEX	DL1HRN	I2BBJ	K5FZ	LU2DKT

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N9TF	NA5Q	KK8X	JA9APM	DK3BK	UT4EK
NU4Y	OE1CP	KK9H	JF1RYU	DL4FAP	UT7EC
PA0ZH	OK2BUZ	KP4AA	JO4CFV	DL7UPN	UX4UM
R5FY	OK3CQR	KQ3F	JR1BAS	E73D	UY0MM
R7LA	R0FA	N0JZ	K1DJ	EA8ZS	VE3VHB
RX6DX	RN4AA	N2CW	K2XF	EI9E	W0YBS
S57J	RV6ARZ	N2SQW	K4MS	F6AJA	W1QA
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UZ6LWZ	US5CB	N8AID	K7PO	HB9CIP	W5CWQ
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WA4CEM	W8VK	OK1AYU	N2DPF	JF6WTY	WA0RVK
WA8MOA	W9CPV	OK2BVG	N4JI	JK1BSM	WA9ETW
WB8BZK	WB6CJT	S57AL	N4NW	JO1WXO	YC0LOW
WC1M	WB8ART	UR3CRO	N4PL	K0WK	YO5ODE
WC6DX	WS1L	UT7UU	N4SC	K1BG	
WD9EQU	XE2YWH	UU5WW	N4VN	K3FM	103
WW1WW	YL1XZ	V73AZ	N6NU	K4KEW	AG1I
	ZL3RJ	VQ9SS	ON7PQ	K4MF	AI3Q
107		W1CWU	OZ4AAL	K4VIG	DJ1MM
4Z5LA	106	W2EQ	PF7M	K5HK	DJ3GZ
DJ8ES	AA4FL	W2LE	PJ2/K8ND	K6UM	DJ7PI
DK3FB	AE2U	W2NO	PY2DS	K7TJR	DL2HX
DL2CHN	DJ6OZ	W3ICM	R6YY	K9EA	DL8YRM
DL5XU	DL1QQ	W4IR	RA6AF	KA2BZS	DM5TI
DO4DXA	DL2NOM	W5JAY	RD4WM	KH6KG/W5	DS3HWS
EA5AT	DL3JSW	W8OP	SP5JXK	KI0KB	EA7SG
EA7QW	DL6JZ	WA4MYO	UA6LCN	KW0A	EU6MM
FG8OJ	EA3CCN	WA6TLA	UR1RWX	LZ2XF	EW3LB
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I5IHE	JA1VLK	105	VY2ZM	N4TTE	G4VGO
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KM9E	F6BWO	W2LW	K7AR	W1FC	JA5DQH
LX1DA	FM5WD	W2TX	K7IA	W1GF	JA9CGW
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N1HOQ	I8LWL	W4ALF	K9JU	W3WH	JH7BKN
N9BBQ	IT9SFT	W5TO	K9PG	W4BUE	K0FLY
N9PGG	IZ4MJP	W7IUU	KC4PX	W4PM	K0LB
N9SF	JA0HXV	WA0IDK	KD3UY	W7AV	K0XM
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OH4UI	JA6OXT	WD8DSB	KE4S	W8GB	K1NZ
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OZ7JZ	K2LP		KS4XQ	WB3HLH	K3TZV
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RK3QY	K5ZO	AC2AC	N2AJ	YO6BHN	K7VIC
RU3OW	K6DJ	AC5O	N5AQ	YV4DYJ	K8BZ
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UT2AB	KW4BY	DL3ANK	OE3WQB	AB4VV	KC0V
VA2ZO	KY6R	DL5JS	OH3TY	AC4VM	KC4D
VA3IC	LA3ANA	DM3ML	OK1PGF	AI2S	KC5LT
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	S59DJK	JE1SYN	SM2DMU	G0VXE	N1MD
102	SM6WET	JF1RPZ	SM7NDX	G3OIL	N2SG
A6/RV6LNA	SP5MXZ	JH3HGH	SP7JLH	G4CGG	N2XQM
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DK3QM	UA1AIR	JI3KDH	UA0FDX	I2VGW	N4CRI
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DL3NCR	UA6HOF	K1YR	UR7CQ	IK4MSV	N7DED
DL4CW	UA9MR	K2BX	UT1CC	IS0/YO3RA	N7TK
DL4KUG	UA9UCO	K2TER	UT4IS	IW0BYL	N8IL
DL5RDI	UW7CN	K3SEW	UT7HA	IW0HQE	N8NB

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NA6O	W7DT
NB3R	W7JET
NG7A	W8CNL
NJ3I	W8FN
NN4SS	W8GDQ
NU1T	WB4SON
OE5JDL	WU2M
OK1DXD	YB1TJ
OK2PAZ	YL2SM
ON4ANN	YO2CMI
ON7EH	YO9FLD
ON7GB	ZP9MCE
ON9CC	ZS2DL
OZ1ZD	
PA0INA	
PA7RA	
R3PJN	
R9JX	
RA3SD	
RA4LW	
RA6XB	
RC2A	
RN1A	
RT5A	
RU3GF	
S53MJ	
S59SV	
SV1VJ	
SV2DSJ	
UA3AKI	
UA4PAY	
UA6CEY	
UN6P	
UR4CW	
UR4LRG	
UR8IDX	
US8UW	
VE1RGB	
VE3OAT	
VE7JKZ	
VP2VA	
VR2PX	
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W0MU	
W1AN	
W1YRC	
W2CCC	
W3BBO	
W4HHN	
W4MAY	
W4OEP	