

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 29 Mar 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	SP2FAX	304 CT1EEB DJ0MDR SM3GSK	K4TEA N1BUG OE1WEU SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	316 W2VO	310 I4AVG KJ9I RA3CQ SM5BFJ SM6CVX	303 F5LGE JA1BK JA4LKB K1UO RU3DX YU1FW	298 9A2AJ IK2DFZ OE6IMD OZ3PZ SM5CEU
340 K1ZM	324 K2TQC OH2BO S50A W1NG	315 IK4WMA K5RK N1DG OH3SR S50U W1JR	309 UT5UGR W5IZ	302 DL4MCF GM0GAV GM3YTS	297 DK5PR N4CC OM2XW RA3DX W0FLS
335 OH2BU	323 EY8MM SP5EWY	314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	301 DL9KR F6BK1 LZ2JE N1RJ N3XX S54E SV8JE	296 DF2UU F5NTV G4PWA JA2JPA ON5NT RY9C W1JZ
334 N4WW	322 K4PI UX0UN W3UR	313 GM3POI OE3GCU OG2M OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR SP3EPK VA3EF	295 K3UA
333 R7LV	321 WB9Z	312 OH1MA	306 EA6SX K4CIA SM0AJU WT3Q	299 JA4DND	294 DL1AMQ JH2FXK LA5HE RJ3AA SV8CS
332 UR0MC	320 SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA RA7A RZ3AM	305 JA7NI K4ZW N4IS NN4T UA6A		
331 K5UR LZ2DF	319 K8MFO N0XA SM4CAN				
330 AA1K HA0DU OH1XX UT7QF	318 4X4DK W9ZR				
329 K3UL UA4HBW					

WD5COV	N2QT VA3DX W4PK	280 EA6NB SM4DHF SP6HEQ YO3APJ	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD	KX4R
293 N0TB S58T	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	259 DF4PL F6GCP G3ZSS I1FQH R9FM
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	285 G4CCZ HB9BGV	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM UR5WA	272 9A2EU CT1EKY DL1DUL DL2OE OH1LEU SP6CIK	264 IK2YCW K7ZV SP9JZU W1GL	258 KW9A N5KD RN3CT VE3QAA
291 9A7V DF3GY IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW LA5IIA W2SM W3AP	257 K1GUN W9YSX
290 UA3AKO	283 JA5EXW JH4IFF N7NR NA0Y NO3M R3OK				256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL N8TR PA7MM W1TSP W3DF
289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX K4SO K8KS K9CT N2LT SM6CTQ US5WE UY5ZZ W0BV W2YC	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ VE2TZT	270 JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA K4XP KR9U W1YY	255 K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI
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	268 DL5DSM G3WPH LA3MHA RA3XDX RK4FD W1MK	261 9A4T DL9YX K2EK K5KC N3NT N6SS NO8D SP1S SP5DIR	254 N0AT OM3DX WA4FFW
287 DL1RWN G3XTT			267 LU8DPM RZ3DX	260 EA5BM K1LT K4DY	253 5B4AGN AA1QD K5ESW S58Q UA1OMS W0YG

252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	WB3AVN 246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ 245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY 244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	UA3TT VE1YX VE3NH 240 JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA 239 G8VR JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK 238 DL8WN EA6ET IK0XEZ JA0DAI K1DG RA0FF VO1HP 237 DL7MAE NI0G OM4EX UR5EDX 236 AB4I K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK W3LL YO9HP	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN WA7NS 234 AC4G AJ6T IZ8FFA K1AR K4UTE KF0QR NV9L PY1BVY 233 JA0FSB K0CS K2UU KA7T SK3PY SV8CKM UA4HAU VA2WA W7AO 232 JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T S51DI UA3AP 231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	230 DJ5FI FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ 229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T 228 AF9H AI0O E72A EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ 227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W1TC W9BF WB6RSE 226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ	VE6WZ W0VTT 225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW WA7NB 224 DL5WW IZ1LGB N0AV N8BM SP5INQ VK6VZ W2RQ 223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX 222 DF6PB IV3JVJ K3SV K6EID N5AW N8PR N9BX SM0CCM SP7GAQ 221 K4MWB K8FH K8SIX
251 DJ7RD DL9RT I1EIS JH0BBE N4II PY2RO W5UN W7LR					
250 HB9RG NQ1K OZ8BZ					
249 AI9L IV3ODE JR3IIR K9NW SP5DRH	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G				
248 K3WW K5RX K9RX N2NL SM3VAC SV8GFW T77C UT9FJ W9NGA	242 EA4KD KG7H 241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY N7RT OE2LCM OK1DWJ SP5GRM				
247 AB3CV K0IEA K6XT NN4X NO2R R7IA					

MM0EAX	K5EJ	KG6I	W9EWZ	K3LR	W0DD
N6VR	N4PQX	KV7K		K4XO	W0MHK
W1ZK	N5UL	LA7JO	207	K9MMS	W2IRT
W6JRY	OE1ZL	N1ZZ	K1DT	KK2I	W3GG
WS6X	RZ0AF	N4MM	K1LPS	PA0A	
	W0GJ	NX0I	K3JT	R6AF	199
220	W6XA	OZ1AXG	K8EUR	W8GC	DK2LO
AG8B	YO7LCB	SM5CZQ	N9AU*		G0BNR
DK2NG	YU3AA	W1ECT	PY2BW	202	HB9DDO
HB9LCW	YV1DIG	WB9CIF	W0LS	AA5AM	JA2DPC
HL5IVL		WS9V		DL1MGB	K1GG
JA2WYN	215		206	DL2KQ	K6GXO
JJ3PRT	AD5A	211	IK0IOL	DL9DRA	N4DW
JR4OZR	K3JGJ	IK4DRR	JA3PIS	JA2JNA	W1TO
K8ZTT	N7JW	JA4DEN	K2VV	JA3CSZ	YO2DFA
KA1R	RA1QD	K3WA	K5AQ	JA5AQC	
N1LN	W0UO	RU3SD	K5MC	JH3VNC	198
N5JR	W2LK	UR5FEO	KG9N	JI2KXK	DL1ROJ
VE3EXY	W6YI	WA5VGI	N8DJX	K2NV	G3UJE
			SM6BZV	LY1G	G4BUE
219	214	210	US0KW	N5ZM	IT9JNR
IK3VUU	DL7BA	I8SAT	VE3BW	N7KA	RX3APM
JA2FBY	HL3IUA	JA7MSQ		OK1DOT	W8HB
JA2FJP	IZ8VYU	JJ2LPV	205	R9TO	
JF3KON	JA2JW	UW7LL	F6EXV	RA3S	197
LA7GIA	K4NA	W7JW	I4KDJ	SM2OAN	G3SNN
LB8DC	OK1DX		JA3AAW	UA9FAR	I5KKW
OE8RT	RN7G	209	K8AC	W7DO	IK0FVC
RA3WDK	W4NL	DL5CF	KA9FOX	WA2HZO	JH2UVL
SP4K		DL9MRF	LA7HJA	ZL3IX	K8NVR
UT7UV	213	EA1RT	PY2XB		OE4PWW
WA2UUK	DF2IS	EU1KY	W8UN	201	OE5FIN
	EI3IO	HB9CXZ	WB8ZRL	CU2DX	ON4CD
218	HA1RW	HB9DDZ		DL1EJA	RZ6FA
DJ4PI	JA2IVK	JA0UUA	204	F4BKV	UA0SC
DK0PM	JF6DSZ	N9LB	DJ5AV	JF1PUW	UT5EL
IK1YDB	K1ST	VE1DX	IK7NXM	JO7WXN	
JA8CDT	LA4GHA	VE3LYC	JA9NFO	K3HP	196
K0EU	NA2M	W0ZR	K4JJW	N4QS	4Z4DX
K5UO	RU4SO	W7KNT	KK4SI	W5TCX	AA4HP
UT4MF	W0LYI		LX2A		IK4PLW
W5PJR	W1FJ	208	N4NX	200	IZ8FWN
	W2WG	G3NSM	N7FU	AG4W	JA3RAR
217	W3YY	I4LCK	UA0SR	G0OIL	JA4PXC
DM5EE		JA9FPI	US6EX	JA1GTF	K8PO
K5PC	212	JF4VZT	W2HUV	JH2RMU	KP2A
ON6YH	AA9A	K2FU	WD8PKF	K1GE	ND0N
UA3AGW	DL9GFB	K5RT	WF4U	K9US	RA9CMO
	F6DAY	N5ORT	WI8A	K9YY	RZ4FO
216	JH0INP	RU3ZX		LA5YJ	W0FS
JA6LCJ	K4MQG	UN5J	203	RW4NN	W2FCR
JA9PPC	K8ZH	UY1HY	JA2XYO	RW7M	W4UM
JH1IFS	KE9I	W6PJ	JE1PNX	UY0ZG	

195	K9EU	WA6YEE	K8VC	W8KEN	K4DLI
EA3JL	KF7PG		LA3WAA		K5GKC
EA5RM	N4DB	187	N9MB	178	N7IR
G3ZEM	N5LZ	AJ1H	NN2L	4Z5CX	N7XR
JA1EOD	W3UA	K0SR	ON6SAS	EA3CJ	PE1L
JH1QAX	W3YQ	K6SRZ	W2FP	JA4MRL	SP1MGM
JN7FAH	W8LGJ	KL0S	W8NW	JE2URF	TF3SG
K7SO	WN6W	KN5O		K2UR	VE3FF
K9RT		N2NS	182	LA0FA	WX0V
KF8UN	191	NE1B	DJ9ON	NE0U	
N1SV	JA1ANR	OK1CZ	DK3UA	SM7DLK	174
NK1K	K0JGH	SM0NJO	HA5WA	SV1JG	4Z5MU
W5ZG	K8FC	W7AWA	HK3W	W6NWS	JA0GJJ
W9OP	K9LA		JA1SHE	W7MEM	JA2XW
	RK2FWA	186	K8RRT	ZS1LS	JA7MOL
194		9A8A	UR3EO		JF7DZA
K4KDX	190	IK2QPR	W1YM	177	JK1OPL
K9JF	CT1IUA	JA8DNV		9H1SP	JR6PGB
KB9LIE	IZ8XQC	K0BJ	181	AE5E	K0TT
KC9ARR	JA1DUH	K3PA	DK3WW	CT1EAV	K1KI
LA7AFA	JA1MCU	K7LAY	JA3ENN	CT1GFK	K2KA
W1NT	K2TE	YL2TW	JN4MMO	IK4ADE	K3AJ
W2LO	K9KU		K2EP	JE1BMJ	K4TR
W4FC	KM1D	185	N3OC	K3WC	K4WS
W9OO	N4XU	AB6QM	VE3OSZ	K9NU	OE1WHC
WD8JJA	N5GH	EA6BF	W9AJ	SM6DHU	RN7F
	SM7GIB	G3KWK		W2OR	UA3LNM
193	SP2LNW	IK3SWB	180	W5LT	W8UV
DF2GH	VE7VV	JA2LCP	DM2DXA	W7FI	W8VVG
DK1FW	WE9R	K5ZD	DM3VL	WB7B	WT8C
DL5ZB	XE2X	N4TJ	EA8JF		
DL6ZXG		N5UR	JA2BDR	176	173
EA3WD	189	OE2BZL	K6SSS	CT1FPQ	5B4ALJ
HA5BSW	9A2F	SV1DPI	K7BG	EU1AB	I1JQJ
JA0EOK	EA8PP	UA9CBO	LA9AJA	I6FLD	JA1PPW
JA1XEC	FM5CD		N1RR	JA0DET	JA9TWN
K4ODL	JA0VSH	184	N4AH	JA5IU	K1NTR
KB8VAO	SP7HOV	I2AOX	ON5FP	JA6BJV	K4XR
N9EN	UA7T	JA2ZL	UT2UB	JA8KSF	K9YC
PA0LOU		JF1NZW	W1RM	JL1SAM	KA1J
RN1ON	188	K4HGX	W7BEM	K8MN	N5FG
UA0CA	AA1ON	K5KLA	W8TN	N5OK	PY5EW
W9MU	AB4IQ	KB4ET		OK1DWC	W8HC
WA2VYA	JA1KQX	OH2IS	179	RL3FA	
	K0BBC	S57AC	IT9ELD	SM5FUG	172
192	KB0EO	US8UA	IW0SAF	W4BP	G0BLB
9A2NA	KB1EFS	W2YJ	JR7BDQ	W4GD	G3NKC
JA7JWF	KE9ET		K8WK	YO7NE	IZ5MOQ
JH1RFR	N8LJ	183	N2PK		JA3FGJ
K3FN	RM0F	CT1FMX	OK1MG	175	JG0CQK
K4FJ	W6SR	CT3MD	S57UN	JA1CHN	JG3IWL
K5XX	W8JV	IT9INO	SM4DDE	JA9NLE	K0DEQ
K7GM	WA3C	K4CN	SV3FUP	JS3CTQ	K1BD

K6FG	JE7JDL	WA8TXT	W0HT	W6BJH	K8YSE
KJ0M	JF2UPM		W0TT	W7SX	KS1J
W3JX	K5QY	165	W1LW	W9RN	N3RC
W4FQT	K8RYU	DL7UCX	W4DKS	WD5BJT	N3UA
WC4X	KR4F	EA7TV	W8WEJ		UA3SAQ
	N4QQ	I2ZGC	WA9PIE	158	VA3LX
171	N8BJQ	IK0AGU		DJ4PT	W1YIF
AA9D	PA7F	JE7RJS	161	DL1FKA	W4TV
DL6KR	SP5GH	K5JZ	DK2GZ	IT9DSZ	155
G0EHO	W4SVO	KK4CB	DL6RAI	JA9APS	DL1RK
HA9PP	W6VX	N9FN	HB9DHK	JH1TWT	DL4SZB
JA6HUG	W7YAQ	NY0V	JA1DOF	JJ1FXS	JE3GRQ
JR1TNE	W8OI	RC9F	JH4CPC	JJ1NJC	K2LS
K1NU	WA5YNB	SM4CTT	K1USA	JR1GJP	K4RG
LA5LJA		SP6EQZ	K5GO	K5TT	K4WA
N0RN	167	W0DJC	K8ND	K9GA	NE0DX
N4OGW	DK5AD	W5BN	LB2TB	OZ1HX	NW7E
N7RO	JA6VQA		N4GN	RU6M	SM6VR
N9RC	JE3ENP	164	OH6RA	SM4EMO	WE1P
RA3DNC	K4XD	GU4YOX	VK3HJ	W0SZ	ZS6EZ
SV1LK	K6KO	HA7UW	YU2TW	W1OX	
	K8NK	HB9BZA		W2XL	
170	K9MBQ	JA1RTX	160	W3GQ	154
DJ6TK	N0IJ	JA7ZP	AD5Q	W4QN	3V8SF
JA6JPS	N3BNA	JH2SON	DK1WB		GM3PPE
JF1WPB	PA3C	K1NJ	DL1DA	157	HB9BUN
JM1GYQ	RA1AOB	N4HB	EC3A	AA4H	JA8NFV
K6ZZ	RN9N	N5WA	EI6FR	AC6DD	JR3OEH
KI5BLU	S51EC	RA3ZH	IK0FUX	DL6MRS	K0KVR
N4PY	SP3FAR	RN3OG	IW2FND	EA5BY	N7WS
SP3GTS	UN9L	SV2AEL	IZ4DPV	G3TQZ	NX8Y
SV3KH	VE6WQ	W4NS	JA2EPW	G4GIR	W1NA
W3IP	W1YW	WP4U	JE2OVG	JA1GHH	W2XI
W9EVI	WA0MHJ		JF2XGF	JE2DZC	W5DNT
WA3AFS	WA4LOX	163	JR7MAZ	JH2QMT	WB0TEV
	WC5N	9A2JK	K3MSB	JH7IAJ	WS7L
169		DJ9HX	NR4M	LY5A	YS1RR
IK0PEA	166	JE2LUN	RU6L	N5MOA	
JA1ADT	4Z1UF	K7NN	UA0FZ	NE9Z	153
JR1IZM	DJ4SO	K8TL	UX5UO	RU4UR	AA6AA
K1LI	HB9FMN	UR4CWQ	W1BR	SM3PHM	AJ9C
N1EN	IV3TDM	VE3CFK	W5XC	SV8ZS	DL3ZA
N4XX	JA1FNA	W7AL	WX0B	W2TA	G3TJW
N7US	JA9LJS	WW3S		W5GZ	HL2CFY
UT8MM	K1KA		159	YV2IF	JF1IRW
UY5AA	K3KY	162	HB9TKS		JR9OPJ
W6RW	K4JLD	4O3A	JA4FKX	156	K7SP
WB3JFS	K4PB	9A4W	JH6QFJ	AB9V	K8VJV
	K4ZYU	F3AT	JH7CFX	DL4MM	N4TV
168	OH2BLD	JA6GIJ	K4RO	F6HDH	N5TW
G3MXJ	RM3DA	LB6KC	OK2ZV	IZ8IEV	N8II
IK2EGL	W1RR	N8MR	UN7JX	JO7HAM	R9OK
JE2LPC	W8ILC	RW3RN	W3HKK	K0QC	SM6CLU

SP5CCC	K8AJS	JH4ALY	HB9BYQ	OK1DO	139
UT5UY	KU4XO	K7HP	I5MXX	W2OO	CU2AP
WB8BPU	N3QE	K8UT	IT9GSF	W5ADD	DF7EE
	N9CO	KM1H	IZ4GWE	W5LUA	DJ4XA
152	OE5RLM	N1IBM	JA3GN	W5VQ	DL5EBE
EW2A	OE8SPW	PC3T	JA5XAE	WA5POK	DL8OH
HB0CC	SQ5EBM	W1OP	K0VSH	WB8CQV	JA1TMG
JT1CO	SV1CNS	W2KKZ	K5TR		JH0BQX
KQ4AV	UA6YW		KD0PO	141	J11DCW
KS3F	W6DAO	146	N1IX	AC9S	K3ANS
N9OY	W7CT	EU4A	N3KK	DL5MHQ	K6AM
S55ZZ		G4FTC	SM4OLL	EW1BA	K8GI
UA6IGI	149	JA1HQG	SM5CLE	HB9FMT	K8RF
UN7LZ	DL7CX	JA4DHN	W4GE	JA1PTJ	KA8SYV
UT5AB	HB9HFN	JH1GNU	W7ZI	JA2ATE	KU0A
VE6LB	IK4FNF	K1CA	W8RLS	JA9RRH	LA8WG
W1SKU	JA1SVP	K5KV	WC5M	JH1HHC	OK1MP*
W1VT	JL1ARF	K5SM	WD5T	JL1UXH	OK2QA
W6RLL	JR5JAQ	K6NR	YO3CD	K2RW	SM5CBM
W7AJ	K3RA	K7WP		N8OC	SV8ZC
WB3CQM	K3TN	LA6OP	143	NJ3K	W0SD
	K4YYL	N7BT	DL1DUO	OE6VIE	WA8WV
151	K8ME	RU0SN	DL6EN	SV3FUO	
AA7G	K9MK	W1IZL	HS0ZEE	W2CG	138
DK2OY	R8TX	W1ZT	K7CMZ	W3BW	DK8MCT
EI9JF	SM6CUK		K7CW	W4JVN	DK8YY
F3SG	UW7UA	145	K8ROX	W4VIC	EI9FBB
IZ3ENH	W0GG	AF4HX	KJ9C	W4WT	F6DDR
JA2VQF	W7HPW	HI3T	LZ2ZG	W8HW	IK8EPC
JA6BEE	WB8B	I0JBL	N2RJ	ZS1C	JA3OOK
JH1NYM	WD5K	JE6TSP	N2WM		JF3LOP
JR1XIS	WS5W	JJ3HGJ	N5UW	140	JH7RXU
K2AX	WW2DX	JK1AJX	N6PAT	9A1CAL	K1RO
K2FW	YO3DDZ	JN1BMX	NN4R	DF2RG	K2RET
KR2Q		K1OA	W0IZ	K5WK	KJ6P
N5JB	148	K3VAT	W6QUV	K6KLY	LB5WB
OK1ATP	DK2CC	K4OY	WB8ZRV	KF8DX	NA5C
RD3A	F5CQ	K8BL	WD9DZV	N4XP	ON6AA
RU3A	F5LVL	KF6HI		N6PSE	OZ8X
S54A	HB9SLO	N1CGP	142	OH6NIO	RW4CY
SP7AWG	JH1QDB	N4GG	I5HOR	ON7DR	V51B
SV9AHZ	K5VWW	N5XZ	IT9BLB	UN1L	W1GD
W7RH	N2WB	RT0F	JE1FQV	VE6SV	W2YE
WA1Z	NE3F	SM3DTR	JR7WFC	W0SEI	W4YV
WA2BCK	W2/CT1GIF		K3PP	W4NU	W7OM
WP4G	W5FKX	144	K4WZ	W7IV	
	W9JJB	CT1FCX	KK1W	W8GNM	137
150		CU3EQ	LA9VFA	W8LWU	DS1JFY
EA1AF	147	DL5CW	MM0SAJ	WO2T	EA1YO
IV3RAV	EA3GP	DL5KUA	N7QT	YL2MU	GM3YOR
JA2NQG	F5PAC	E70T	NA4D	YO9FNP	IZ0RVI
K0RS	IV3VBM	EI6IZ	NQ7R		IZ2FOS
K7LV	JA1XQC	GM3ITN	NY2NY		JA3APU

JA4OK	W4MBD	JA6CBG	JA2FBC	OZ1IKY	N8NA
JH4JNG	W4RFZ	JR6FC	JG1DUZ	R9SG	OK3CQD
JR2LJO	W6JTI	K6YUI	K2MYR	S53X	PA3EWP
K2QMF	WE4S	K9ZM	K6SIK	S55DX	PA5TT
K6EME		N6HY	K7LFY	SM3GQP	VE3CX
K8NS	134	ON4CAS	K8BCK	SV3DCX	VE7BV
RA3CO	CT3HF	OZ2RH	K9GL	VQ9LA	W8MK
RG7G	IK4DCS	SM4BZH	NA4EA	W2WC	W8REW
UU1JA	JA7LGE	SM6BGG	NO9E	W4IS	W9ILY
W11TU	K1TO	SP6M	OZ2ABI	W6RKC	WB0O
W5ODD	K3OX	VE3CRG	R3VA	ZS1A	WB2REM
WB5JID	K7XB	W4AXL	R5QA	ZS6UT	WD4LBR
	KX4TT	W4RBO	R9AB		XE1KK
136	N9MR	W4WM	RU1AO	127	YU1EXY
E72U	N9RS	W5AJ	TA1CM	HK1MW	
ER0FEO	NA5DX	W5SL	VE3DO	JA1DDH	125
HB9IQB	OE1TKW	W6DR	W2MPK	JA1WLO	9A1AD
IK8CNT	PY5HOT	W7AH	W9ZT	JA8RJE	AG1A
JH4HMG	RG6G	W7CD		JA9KRO	GW3TMP
K0TV	RX4HW	W9FR	129	JH3AIU	HK4SAN
K7TM	SM0BYD	WB3D	HA1RB	JS2LHI	IK5DNF
KR6C	UA0ACG	XE2S	HB9AZZ	K0RW	JA4IYL
N2ZN	W4JKC		JA1NWD	K3TRM	JA6VU
OK1DW	YU1AM	131	JA8JO	KM3T	JE1TSD
SM5OJH		DK7YY	JI4POR	KM4NS	JE6UWU
SP2BMX	133	G3UHU	K3NK	N1AC	JF2WXS
UT3UZ	9K2NO	HS1NGR	K4TT	N1GC	JH4ADK
UW8SM	EU1U	IV3KFB	K6XM	OE8HIK	JL1RUC
W2OIB	HB9CQK	JA2TBS	N0YY	S51NM	K1HAP
WB7QXU	IZ8DFO	JJ1TEA	N3KS	SK7AX	K5KG
	JA7GLB	JM1FHL	N3RR	SP6A	K8DV
135	JA9AGN	K1UU	PY5EG	SP7ASZ	KA6BIM
5B4MF	JR7FRW	K5VIP	W7QHE	W0CP	KI4WCQ
DJ9ZB	K1ZN	KC2LSD	W8MET	W0RT	LA9GX
F6FXU	K2CDJ	KH2L		W0YVA	LZ1XL
IK8GYS	KS4YT	KM3V	128	W3BG	N2KA
IV3DXW	KU2A	KM4H	AA4SC	W3MF	N3EN
JA7LMZ	OE1KM	N3MK	DM2RM		N4JT
JA8BNP	RA5BM	N4QWZ	IT9ZZO	126	N9RD
JA8JL	RV4LC	N5PHT	IU0HDC	DJ8WD	ND5S
K1ZE	SV5DKL	N6RK	JA2AHH	DL9FCY	NW6S
K7FL	UQ2PZ	ON4ON	JA2KSP	F8BPN	OE1AZS
NZ9R	VE3WT	R0SR	JA9AA	G4IUF	OE3SGU
OH1JP	W0NFL	R9MJ	JE1LFX	IZ7EVZ	RA0BA
R7LP	W2QO	R9SA	JH4GJR	JA1XCZ	UN7JID
RN3RQ		W8DCH	K0FF	JA7KY	UU7JM
SM3LGO	132		K3XA	JH3CUL	VE3UTT
SM5CZK	AA4NC	130	K4JAF	JJ1DWT	W5DAW
SP3XR	AB9M	DF9ZW	K4SE	JN1RQV	W8LMG
W1DIG	AD6W	E73M	K6LPO	K2ZD	W9CG
W1EQ	HB9RYZ	EI2JD	KG7CW	K4JKB	YO2RR
W2GD	IT9RDG	G7VJR	N5KM	K4XU	
W4BUW	JA2KVD	HK0HEU	OH1ZK	LB7ZG	

124	122	120	JA3AZD	W5JMW	K1RI
AA7XT	BA4RF	9A5F	JA4XGC	WT4Q	KT1V
IK3VBB	G3NDC	AC9EM	JE2JMV	YO4AUL	KV1J
J11DHY	JA1MRM	AL7TC	JH6CDI		PA0JSE
K4ZO	JH1AGU	DL2VWR	J14WAO	117	RV3ID
KD4POJ	K1ESE	EI2GLB	K5UZ	9Y4VU	TZ4AM
NA2U	K1YT	FG5FR	K7EG	AE0P	UA4PCM
PA0TCA	K2MP	HB9BLQ	K8KWT	BH4IGO	VA7CRZ
UA0BA	K7ZA	IZ0LKV	N0KV	DL1DWT	W1ENE
VE1DUN	KR0P	IZ5NFD	N8PW	IT9AAI	W1WEF
W1OPD	LA7WCA	JK1EXO	N9UA	IT9DAA	W7GG
W2JU	LA8PT	JR3UIC	NT2A	JA0A00	W7OEV
W2RIJ	N9AW	JR6LLN	NY7T	JA1HQT	W8LRO
W3FM	NA9RB	K2BA	OH5NG	JA4FM	WP3R
W6CYX	NN7X	K2HK	OK1DT	JA7GYP	WQ5L
	OZ3Y	K3QIA	R6FFB	JA7IC	
123	RD4A	K5JC	SV1ACK	JM3GXU	115
AB1OC	UU4JMG	K6FW	SV1IW	JR2UBS	AA5JF
AC4TO	VE6AX	KA8ZPE	W0RX	K1BZ	C6AGU
DL7JRD	W2TB	N3NR	W4HZ	K2BB	CU2CE
F4GTB	WA3I	N4BAF	W8FIB	K6PJ	DL9GOA
G4WFQ	WA7BNG	N4LR	XE1RCS	K7PI	G4XEE
G5LP		N4TB		K8OOK	G8BCG
HB0WR	121	N4TL	118	K8QM	G8DX
IK2CHZ	AA6RR	N4UFP	5T5PA	N2BJ	HA5UK
IK3XJP	CT3KN	OE3EVA	AA4DD	N3ND	IZ7JVR
JA0CRG	DF1DB	OZ2A	AB2E	N4IR	JA2KNW
JA1SJV	DK1EI	PZ5RA	DL5OCE	N6MB	JA5FDJ
JA3MHA	DK6CQ	RL3BZ	JA4FHE	N8AA	JH1RFM
JA6WJL	HB9DHG	SP6JIU	J18DGO	N8XI	K0GD
JR1EBE	IK2SGB	SP7ITB	K3FRK	NY4G	K0SD
K2PK	JA2HYD	UR5IKN	K3WGR	SM7BIC	K4CMS
K3XO	KD8RQE	UR9QQ	K4CNW	SP8HKT	K4GHS
K4ZIN	KG9Z	US0YA	K8LN	UA6J	K4GK
K5GH	N0OK	W2YR	K8WVA	UB3A	K5XM
K7UT	N1JP	W3OA	K9DR	UR9IDX	K8YTO
K9CS	N6HC	W4PRO	K9SG	US1CT	KO8SCA
KV4T	SV1AHX	W6RFL	KD2T	W4ZRZ	LY4T
N2ED	UQ1GWW	W7RN	KD6UO	W6SL	N0IRM
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N6MZ	UU2JQ		KV4AA	WA2USA	N8KOL
N9JV	VA3AYA	119	LZ2HM		PA3AXU
N9LQ	W0QQ	AA3AZ	N2MM	116	RZ6MJ
NA2P	W2GG	AE3T	N4DJ	AJ4F	UA1ANA
S50B	W3RJW	AJ4A	PY2PA	DL7URH	UA1CGS
UA3DK	W6XI	DK3GG	RN3TT	EA5BRE	UA6XT
UT3QU	W9XX	EW4M	SV9COL	HA7PF	UN6T
W1AO	W9YE	G4DJJ	TA2RC	IK0EIE	VE3YF
W8NJR	WA1PMA	HB9AAQ	VK4CAG	IK2OHG	W4UCK
WB8K	WY1G	HB9BCI	W1KSZ	IT9TQH	YL2CZ
WV4TN	XE1VIC	I2TZK	W4DAO	IV3HYD	
XE1H		I4MKN	W4NF	JA1WTI	114
		IU0LFQ	W4NJ	K1DC	BA4DW

BA7IO	KH6DX	K0JPL	JE2EHP	K3PH	ND4V
CT3FN	KI0G	K1KO	JE8TGI	K4WW	NN4RR
CU3AK	KT1J	K4UAS	JF2WGN	K6MI	NU4I
DL6NB	N7KO	K8CC	K2HAT	K6VKO	NX7U
F6CWA	NA3F	KB2FCV	K5WAF	KB4MRX	PY5CC
G3SDL	NG0G	KI4DLS	K7ORK	KC2STA	RW4UU
HK3PJ	NI5F	KM1C	K9AJ	LZ1PM	RW9QA
HP3TA	NK5B	LA8HGA	KM1R	N2CG	RX3AGD
I5OYY	ON5UE	N5ZC	KZ0X	N3HBX	TG9NX
IK7YZG	R7NA	N6MA	LA0CX	N3IQ	UB5ZAL
IW0HEX	RA4UN	N6PE	N4WJ	N3JB	UT7KF
JA4KDT	RZ3AUL	NA9Q	N7BD	N4KE	VU2CPL
JA5WIZ	SM5ARL	RU4SU	N9HF	N5BO	W5WP
JH6WMJ	SP3EPG	SM3DMP	NA1DX	NC6K	W9FI
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K2DC	SV1JFV	UA1CEI	UT1UY	NY4I	WB5TUF
K3MD	SV2AVP	UT6UD	VE6KC	OZ1LCG	WN0L
K3NF	UN7TW	VE7XF	VE7CT	RD9M	YV3AGT
K3OSX	VE3KI	W1HEO	VE7UF	SM5BHW	
K5RJ	W2GW	W2CVW	W0VHF	SV1VS	108
KB8U	W5VY	W2SKI	W3FOX	UA3O	AI2Q
KZ4V	W6BK	W3MR	W4HOG	US7MM	AL7R
N1QY	W8FAX	W3UL	W4OX	W0UY	DL6CNG
N2JJ	W9DX	W4VHF	W5AQ	W3XY	ER1LW
N3MN	W9VNE	W5VX	W7VS	W4DC	G3VAO
N4IQ	WA4DOU	W6TC	W8KA	W4NE	HB9BAT
NU8Z	WB2HJV	W8GEX	W8MIL	W5ZPA	HB9FAN
UA3FT	WB2UFF	W8HMK	W9RB	WB4TDH	IK0PRG
W0VX	WS4C	W9SE	WA2BOT	WL7E	IZ0BTV
W4TUN	WX3P	WA8MCD	WA2MUA	XE1FAS	JA2MOG
WA1FCN	XE1RBV	WA8OLN	WB9EEE	YU7AU	JA3NHL
WA9YYY	ZL1BYZ	WC2K	YL3DQ	ZL3NW	JJ2PIK
WN9O		WT9U	YO6HOY		JK1MZT
XE3ARV	112	ZP6CW		109	K1EP
	A92IO		110	DF1KG	K1XM
113	DJ1RL	111	BA4MY	EA3GHZ	K2CJ
9A1A	DK5RL	AA4U	DG7RO	EU4T	K2KQ
DJ5DT	DL5CL	AB4GE	DL1VDL	F8EZE	K2MK
DJ9RR	EA1JO	AF4OX	EA5BYP	G3SVD	K4WY
DL8CM	EI8IU	CU3AN	F5BAR	J68HZ	K6UT
DL8DYL	EW1DO	DK2WH	G3LNS	JA2CXF	K8OM
EA5KA	G3XGC	DK6ED	G8AJM	K2ONP	KM8AM
G4AFJ	HB9CEX	DL1HRN	HC1BI	K4RDU	KN4JX
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JA4ITW	HB9EFK	F6ECI	IK5RUN	K5KA	N4MEC
JH1ORA	HB9G	G3PLP	IK8UHA	K5KPE	N6RFM
JH3GCN	IU8FRE	G4DBN	IZ0CKJ	K6MW	N9TF
K0TPP	IZ4DIW	HL3GOB	JA7EPO	KE1F	NU4Y
K5CD	JA1SXR	IK2ANI	JE2UFF	KZ5DX	PA0ZH
K8SL	JA4BXL	JA1AUD	JH1VHU	N1BZ	R5FY
K9FN	JA7BXS	JA1FGB	K1EO	N7TY	R7LA
K9GWH	JG3LGD	JA1NCZ	K2BLA	N8NN	RX6DX
KA4RRU	JR7TEQ	JA1OVD	K3JRR	N9ISN	S57J

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SP9WZS	SP6AXW	NI5M	K5AV	F8GB	W5CWQ
UX7UN	US5CB	NS3L	K7OX	G3BRD	W5GJ
UZ6LWZ	VE3OI	OE5CSP	K7PO	HB9CIP	W5ZO
W2UB	VK3NX	OH2OT	K9RO	HK3O	W6PH
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W4ZYT	W6TDX	OK2BVG	KK9H	JA1SDV	WA0I
W6KK	W8IW	S57AL	KT2E	JA2FGL	WA0RVK
W7ACD	W8VK	UR3CRO	KX2A	JF1EGO	WA9ETW
WA2ALY	W9CPV	UT7UU	LZ1JZ	JF6WTY	YC0LOW
WA4CEM	WB6CJT	UU5WW	N2DPF	JK1BSM	YO5ODE
WA8MOA	WB8ART	V73AZ	N4JI	JO1WXO	
WB8BZK	WS1L	VQ9SS	N4NW	K0WK	103
WC1M	XE2YWH	W1CWU	N4PL	K1BG	AG1I
WD9EQU	YL1XZ	W2EQ	N4SC	K3FM	AI3Q
WW1WW	ZL3RJ	W2LE	N4VN	K4KEW	DJ1MM
		W2NO	N6NU	K4MF	DJ3GZ
107	106	W3ICM	ON7PQ	K4VIG	DJ7PI
4Z5LA	AA4FL	W4IR	OZ4AAL	K5HK	DL2HX
DJ8ES	AE2U	W5JAY	PF7M	K6UM	DL8YRM
DK3FB	DJ6OZ	W8OP	PJ2/K8ND	K7TJR	DM5TI
DL2CHN	DL1QQ	WA4MYO	PY2DS	K9EA	DS3HWS
DL5XU	DL2NOM	WA6TLA	R6YY	KA2BZS	EA7SG
DO4DXA	DL3JSW	WC6DX	RA6AF	KH6KG/W5	EU6MM
EA5AT	DL6JZ	YL2GN	RD4WM	KI0KB	EW3LB
EA7QW	EA3CCN	YU3EF	SP5JXK	KW0A	G3BDQ
FG8OJ	HA8DZ		UA6LCN	LZ2XF	G4AAW
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OE1CP	N0JZ	JH6PFY	CX3CE	UX4UM	KM9E
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OK3CQR	N2SQW	JR1BAS	DL4FAP	VE3VHB	N0RU
R0FA	N2WLG	K1DJ	DL7UPN	W0YBS	N1HOQ
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RV6ARZ	N8AID	K4MS	EA8ZS	W3DRY	N9SF

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OH4UI	JA8OW	WD8DSB	KE4S	W7CB	K0LB
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UT2AB	KW4BY	DL5JS	OA4TT	AA4AK	K8LE
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	S59DJK	JF1RPZ	RY6M	ES5NC	MM0SJH
102	SM6WET	JH3HGH	SM2DMU	FM5GU	N0AH
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IT9SFT	W5TO	K9PG	W3WH	JA9CGW	NN4SS
IZ4MJP	W7IUV	KC4PX	W4BUE	JF3DRI	NU1T

OE5JDL
OK1DXD
OK2PAZ
ON4ANN
ON7EH
ON7GB
ON9CC
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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W1YRC
W2CCC
W3BBO
W4HHN
W4MAY
W4OEP
W4OV
W5BK
W7DT
W7JET
W8CNL
W8FN
W8GDQ
WB4SON

WU2M
YB1TJ
YL2SM
YO2CMI
YO9FLD
ZP9MCE
ZS2DL