

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 13 Nov 2024, 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 ON4UN* UA2FF	316 W2VO	KJ9I SM5BFJ SP2FAX	NN4T UA6A	K4TEA N1BUG SV1FJA UX1UA W7UT
341 EA8AK	324 K2TQC OH2BO W1NG	315 IK4WMA OH3SR S50U W1JR	309 UT5UGR W3GH*	303 CT1EEB DJ0MDR F5LGE JA1BK JA4LKB K1UO K9QVB* SM3GSK YU1FW	298 9A2AJ IK2DFZ OZ3PZ SM5CEU
340 K1ZM	323 S50A SP5EWY	314 4X4DK IK4GME K5RK N1DG NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG SM6CVX W5IZ		297 DK5PR N4CC OE6IMD OM2XW RA3DX W0CD* W0FLS
339 W4DR W4ZV	322 EY8MM K4PI UX0UN W3UR		307 DJ7MI OH5VT RZ3AM UT3UA VE3EJ	302 DL4MCF GM0GAV GM3YTS	
334 N4WW OH2BU VE1ZZ*	321 K5NA*	313 GM3POI OE3GCU OZ7YY		301 DL9KR LZ2JE N1RJ N3XX S54E	296 DF2UU DJ2BW* F5NTV G0JHC G4PWA OE1WEU ON5NT W1JZ
333 R7LV	320 SM4HCM W8UVZ WB9Z	312 OH1MA	306 K4CIA N4RJ SM0AJU WT3Q	300 F6BKI G3KMA I2ZFD PA3FQA RC3FL SM3EVR SP3EPK SV8JE VA3EF	
332 UR0MC	319 K8MFO N0XA SM4CAN	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A	305 EA6SX JA7NI K4ZW N4IS RW3PZ*		295 JA2JPA K3UA
330 AA1K HA0DU K5UR LZ2DF OH1XX UT7QF	318 W9ZR				294 JH2FXX LA5HE RJ3AA
329 K3UL UA4HBW	317 I4EAT* W3LPL	310 I4AVG	304 N4JJ*	299 JA4DND	

293 DL1AMQ KV4FZ* S58T	287 DL1RWN G3XTT N2QT VA3DX W4PK WD5COV	280 EA6NB HB9BIN SM4DHF SP6HEQ	SP6AEG	266 K8PT LA3MHA NR1R R3LA W8TE W8XD	F6GCP I1FQH IK2YCW N3NT R9FM SP5DIR
292 G4BWP JH4UYB OZ1BTE R7FK* SM5AQD SV1AOZ SV8CS W3YX W8TOP	286 DJ2YA IK1GPG JR2KDN K3SX N3SL PA0WRS UT7UW W8AV	279 IK4DRY JR7VHZ N2TK UA6MF	273 F5NBU IK8HJC JA8ISU K2CL K5BG KF2O MD0CCE RA3DA SM6CCO UA3DPM UX1AA W6UB	265 AA1V AA4V AA7A G4OBK RW0LT YO5BRZ	258 KW9A KX4R RN3CT VE3QAA
291 9A7V DF3GY JA4LXY KD9SV N0TB R7NW SM3NRY SP3E UA3LAR UT7UJ	284 K5XI UA3AB	278 DK0EE F6BEE JA3FYC K5DU KG4W NJ6P UR5WA	272 9A2EU CT1EKY DL1DUL DL2OE	264 AA6YQ K7ZV W1GL	257 EI7BA IK5HHA K1GUN SV8BHN W9YSX
290 IZ0AEG SM6CMU SP3IBS UA3AKO W5ZN	283 CT1APE G4CCZ HB9BGV NA0Y NO3M R3OK	277 AA4MM DJ9VA F6AOJ IK5BAF ON7TK SM6CNN	271 EU7A G4GED HB9AMO OZ1CTK SP6CIK	263 IZ1ANU K9OW W2SM W3AP	256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL N5KD N8TR PA7MM W1TSP
289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX JH4IFF K4SO K8KS N2LT N4KG* SM6CTQ SP3DV US5WE UY5ZZ W0BV W2YC	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ	270 I2AOX OE5KE SM5KNV	262 G0DQS K4UEE* K4XP KR9U SP9JZU UX4UA* W1YY	255 G3ZSS K4QL KY7M N2MF UX0FF W3DF W5OZI
288 PA3GCV RA3CQ RY9C SL0ZG SP7VC UA4LY W0JX WK3N	281 DF2PY JA2PJC JA5EXW K1CP K9CT S59Z W4TO	275 9A1CCY K2UO K4IQJ OH3BU SP5CJQ SP9DWT UW2ZM VE2TZT W2OKM* YO3APJ	269 IK6DLK JA5AUC K6ND KD5M RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS N7NR NO8D SP1S	254 N0AT OM3DX WA4FFW
		274 G3TXF IK4CIE K1ZZ	268 DL5DSM G3WPH RA3XDX RK4FD SM5DJZ* W1MK	260 K1LT K4DY	253 5B4AGN K5ESW RU3FM S58Q SP9FKQ* UA1OMS
			267 LU8DPM RZ3DX	259 DF4PL EA5BM	

W0YG	246	UA3TT	SP8AJK	JH1HGC	N6AR
252	DJ2TI	VE1YX	YO9HP	K5EK	N6JV
EA1DR	K0IEA	VE3NH	235	N7NG	UT5JAJ
IV3YYK	N6TR	240	CX6VM	ON4ACG	VE3DZ
JF2MBF	TF4M	IV3ODE	EA6ET	S51DI	225
LA5IIA	W2TQC	K0JUH	JH4ADV	W9IXX	A45XR
PA4VHF	W5XZ	K1FZ	K3SWZ	230	IW1ARB
S52F	245	K1ZG	KA9CFD	FK8CP	JH7PFD
W3UM	DL4CF	K9OT	N6DX	IZ8FFA	K1MM
251	F2JD	LA2XPA	OK1CF	JA1CMD	K5AB
DJ7RD	JA1GV	SV8GFW	R7DX	N8JV	K9FD/KH6
DL9RT	N9US	UR5MID	RA0FF	SM3NXS	N4CH
JA2VPO	RL9F	VO1NA	RU3QR	W4GF	RA3QK
JH0BBE	RY7G	239	VE3XN	W4VQ	RV1CC
N4II	244	F6BLP	WA7NS	229	RW3XZ
ON4AOI	AG9S	JR3GWZ	234	CT1FJK	SP3CGK
VK4MA	DK6WL	JR3IIR	AC4G	DJ4AX	US0SY
W3KX	IK0XBX	K0KT	AJ6T	JA8FKO	VA5DX
W5UN	JA1HGY	KH6AT	K4UTE	J11BEX	W7KW
W7LR	JA7QVI	LY3UM	KF0QR	OE5NNN	224
250	K9RX	RN3QN	PY1BVY	RO7T	DL5WW
HB9RG	ON4IQ	SV1ELF	VE7IG*	228	IZ1LGB
NQ1K	243	238	233	AF9H	JA9CHI
OZ8BZ	AB3CV	DL8WN	AB4I	AI0O	N8BM
PY2RO	DK2JX	IK0XEZ	IZ4BEZ*	EA1N	ON4GG
249	DK3DG	JA0CRI	JA0FSB	K4HB	SP5INQ
AI9L	JF8QNF	JA0DAI	K0CS	NT0V*	SP8NR
I1EIS	NN4X	K1HTV	K1AR	OH2BEN	VE6WZ
JG3QZN	ON4ATW	VO1HP	KA7T	227	VK6VZ
JQ3DUE	S57A	237	SK3PY	DL7HU	W2RQ
K9NW	W9RPM	AA1QD	UA4HAU	E72A	223
SP5DRH	W9XY	DL7MAE	VA2WA	ES1RA	AB0X
248	WX4G	IK0MHR	W7AO	IK0HBN	HA7TM
K3WW	242	K1DG	YO7LCB	IK6FWJ	I3BUI
K5RX	KG7H	K1VW*	232	JA1UQP	JH2TPI
N2NL	R5AJ	NI0G	JA8EAT	K1FK	RT6T
R5DT	241	OM4EX	K2AZ	K3NW	SV2JAO
SM3VAC	EA4KD	SV1RK	K2UU	KD0Q	SV8CKM
T77C	JA1SY	W4YO*	K4XL	N2WK	ZS4TX
UT9FJ	JA3EMU	236	NI6T	NV9L	222
W9NGA	K2FF	G8VR	UA3AP	W1TC	DF6PB
247	K5ZK	JA5MHD	UR5EDX	WB6RSE	IV3JVJ
K6XT	N4XM	K1JO	W3LL	226	K3SV
N5DG	N5TY	K9NR	231	DJ5FI	K6EID
NO2R	N7RT	K9ZO	4X4NJ	JA6BZI	N5AW
R7IA	OE2LCM	KC7V	EA6VQ	JF2KOZ	N8PR
WB3AVN	OK1DWJ	OK2ZI	HA9RE	JR6EZE	N9BX
	SP5GRM	OZ4O	IK0YUT	K9FD	SM0CCM
					W9BF

221 DJ8NK K4MWB K8FH K8SIX N6VR SP7GAQ W0VTT W1ZK W6JRY WS6X	MM0EAX UA3AGW	DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM SM5CZQ WB9CIF	RU3ZX SM5JE* W6PJ W9EWZ	JA2XYO JF4VZT K4XO K8AC K9MMS KK2I PA0A R6AF W8GC	W0DD W0MHK W3GG
220 AG8B HB9LCW HL5IVL JR4OZR K8ZTT KA1R N1LN N5JR VE3EXY	216 JA2NDQ JA6LCJ K5EJ N5UL OE1ZL RZ0AF W0GJ W6XA YU3AA YV1DIG	211 IK4DRR JA2IVK JA4DEN K3WA N4PQX NX0I RA1QD RU3SD UR5FEO WA5VGI	207 I4LCK K1LPS K3JT K8EUR PY2BW UN5J W0LS	202 DL1MGB DL2KQ DL9DRA EA1RT JA3CSZ JH3VNC K2NV K4JJW LY1G N7KA OK1DOT R9TO UA9FAR W7DO WA2HZO ZL3IX	199 JA2DPC JA2JNA JE1PNX JO7WXN K1GG K3LR K6GXO N4DW OZ1AXG W1TO
219 IK3VUU JA2FJP K6TA* LB8DC N0AV OE8RT RA3WDK SP4K VE3LYC WA2UUK	215 JA9PPC JH1IFS N7JW W0UO W2LK	210 I8SAT JH0INP JJ2LPV K0MN* LA4GHA UW7LL W7JW WS9V	206 DM5EE IK0IOL JA3PIS K2VV K5AQ K5RT KC6AWX* KG9N N8DJX N9AU SM6BZV US0KW VE3BW	201 AA5AM DL1EJA F4BKV JA9NFO JI2KXK K3HP K5MC LA7GIA UY1HY W5TCX	198 DL1ROJ G3UJE G4BUE IT9JNR UA0SR W2IRT W8HB
218 DJ4PI DK0PM IK1YDB JA2FBY JA8CDT JF3KON K0EU K5UO UT4MF UT7UV W5PJR WA7NB	214 HL3IUA JA2JW JA2WYN JJ3PRT K1AM* K3JGJ K4NA OK1DX ON6YH RN7G W4NL W6YI	209 AD5A DL5CF DL9MRF EU1KY F6DAY HB9DDZ JA0UUA N9LB VE1DX W0AIH* W0ZR W1ECT W6PBI* W7KNT	205 I4KDJ JA3AAW K1DT W8UN WB8ZRL		197 G3SNN HB9DDO I5KKW JH2UVL K3KO* K8NVR LA5YJ OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL
217 JG1ULJ K5PC LA7JO	213 DF2IS DL7BA EI3IO HA1RW JF6DSZ K1ST NA2M RU4SO W0LYI W1FJ W2WG W3YY	208 G3NSM JA7MSQ K2FU N5ORT	204 DJ5AV IK7NXM KK4SI LX2A N4NX N7FU PY2XB US6EX W2HUV WD8PKF WF4U WI8A	200 JA1GTF JA5AQC JA9FPI JH2RMU K1GE LA7HJA N4QS N5ZM RA3S RW4NN RW7M UY0ZG	196 4Z4DX AA4HP AG4W DK2LO F6EXV IK4PLW JA4PXC K8PO KA9FOX KP2A ND0N RA9CMO

RZ4FO	W3UA	W8JV	S57AC	SV3FUP	JS3CTQ
SM2OAN	W4UM	WA6YEE	US8UA	W1RM	K4DLI
W0FS	W8LGJ			W2YJ	LA0FA
W2FCR		187	183	W7BEM	N7XR
195	191	AJ1H	CT1FMX	YL2TW	SM5FUG
G3ZEM	G0OIL	DF2GH	CT3MD		SP1MGM
JA1EOD	JA0EOK	K0SR	IT9INO	178	VE3FF
JN7FAH	K8FC	KN5O	K8VC	EA3CJ	W7MEM
K7SO	K9LA	N2NS	KE9ET	JA0VSH	WX0V
K9RT	KB8VAO	OK1CZ	LA3WAA	JA2LCP	
KF8UN	RK2FWA	RM0F	NN2L	JA4MRL	174
N1SV	RX3APM	SM0NJO	ON6SAS	JE2URF	4Z5CX
W5ZG	WA2VYA	W7AWA	W2FP	K2UR	JA0GJJ
W9OP	WN6W		W8NW	K8RRT	JA2XW
		186		NE0U	JA7MOL
194	190	9A8A	182	SM7DLK	JF7DZA
EA5RM	EA3JL	AB4IQ	DJ9ON	SV1JG	JK1OPL
K4KDX	IZ8XQC	IK2QPR	DK3UA	W6NWS	JR6PGB
K9JF	JA1ANR	IZ8FWN	JA1SHE		K0TT
KB9LIE	JA1DUH	K0BJ	OH2IS	177	K2KA
KC9ARR	JA1MCU	K0JGH	UR3EO	9H1SP	K2PLF*
W1NT	K2TE	K3PA	UT5UT*	AE5E	K3AJ
W2LO	K9KU	K6SRZ	W1YM	CT1EAV	K4TR
W9OO	KF7PG	K7LAY		EA8JF	K4WS
WD8JJA	KM1D	N8LJ	181	HA5WA	N3OC
	LA7AFA	NE1B	DK3WW	JE1BMJ	N7IR
	N5GH	WA3C	VE3OSZ	K3WC	OE1WHC
193	SP2LNW		YO2DFA	K7GM	OK1DWC
DL5ZB	VE7VV	185		K9NU	RN7F
DL6ZXG	XE2X	AB6QM	180	N4XU	UA3LNM
EA3WD		EA6BF	DM2DXA	SM6DHU	W8UV
HA5BSW	189	G3KWK	DM3VL	W2OR	W8VVG
K4ODL	9A2F	IK3SWB	K2EP	W5LT	WT8C
K9YY	CT1IUA	JA8DNV	K6SSS	W7FI	
KV7K	EA8PP	K5ZD	K7BG		173
N9EN	FM5CD	K9US	LA9AJA	176	5B4ALJ
NK1K	IK0FVC	N4TJ	N1RR	EU1AB	I1JQJ
PA0LOU	JA1XEC	N5UR	N4AH	HK3W	IK4ADE
RN1ON	JA3RAR	OE2BZL	ON5FP	I6FLD	JA3ENN
W0RI*	JH1QAX	SV1DPI	UT2UB	JA0DET	JA9TWN
W4FC	SP7HOV	UA9CBO	W3YQ	JA2ZL	JL1SAM
W9MU	UA7T	W0EWM*	W8TN	JA5IU	K1NTR
	W5DM*			JA6BJV	K5GKC
192	WE9R	184	179	JA8KSF	KA1J
AD8P*		AA1ON	IT9ELD	K8MN	N5FG
DK1FW	188	CU2DX	IW0SAF	N5OK	PY5EW
JA7JWF	9A2NA	JF1NZW	JA2BDR	RL3FA	W8HC
K3FN	JA1KQX	JF1PUW	K0BBC	W4BP	
K4FJ	KB0EO	JH1RFR	K4CN	W4GD	172
K5XX	KB1EFS	K4HGX	K8WK	YO7NE	G0BLB
K9EU	SM7GIB	K5KLA	OK1MG		G3NKC
N4DB	UA0CA	KB4ET	S57UN	175	IZ5MOQ
N5LZ	W6SR	KL0S	SM4DDE	JA1CHN	JA3FGJ

K0DEQ	168	165	W0TT	JH7CFX	JH1TWT
K1BD	4Z5MU	CT1FPQ	W1LW	K1KA	JH2QMT
K4XR	G3MXJ	DL7UCX	W3JX	K4RO	JO7HAM
K6FG	IK2EGL	JA6VQA	W4DKS	W6BJH	K8YSE
KJ0M	JA1ADT	JE7RJS	WW3S	W7SX	KS1J
W4FQT	JE7JDL	JN4MMO		W9RN	N3UA
	K5QY	K5JZ	161	WA9PIE	N4HB
171	K8RYU	KI5BLU	DK2GZ	WD5BJT	UA3SAQ
AA9D	KR4F	KK4CB	DL6RAI		VA3LX
DL6KR	N4QQ	OH2BLD	JA1DOF	158	W1YIF
G0EHO	N8BJQ	SM4CTT	JH4CPC	DJ4PT	W4TV
JA1PPW	PA7F	W0DJC	K1USA	DL1FKA	
JA6HUG	SP5GH	W5BN	K5GO	JI1FXS	155
JG3IWL	TF3SG	WC5N	K7NN	JI1NJC	AB9V
JR1TNE	W4SVO		K8ND	JR1GJP	DL1RK
K2FL*	W6VX	164	LB2TB	K5TT	K2LS
K9YC	W8OI	GU4YOX	N4GN	OZ1HX	K4WA
LA5LJA	WA5YNB	HA7UW	OH6RA	RU6M	NE0DX
N4OGW		HB9BZA	RW3RN	SM4EMO	NW7E
N7RO	167	JA1RTX	VK3HJ	W0SZ	RC9F
N9RC	DK5AD	JA7ZP	W8WEJ	W1OX	SM6VR
SV1LK	K4XD	K1NJ	YU2TW	W2XL	ZS6EZ
WB7B	K6KO	N5WA	ZS5LB*	W3GQ	
ZS1LS	K8NK	N9FN		W4QN	154
	N0IJ	NY0V			3V8SF
170	N3BNA	RA3ZH	160	157	DK1WB
DJ6TK	PA3C	W4NS	9A2JK	AA4H	G4GIR
JA6JPS	RA1AOB	W7YAQ	AD5Q	AC6DD	GM3PPE
JM1GYQ	RN9N		DL1DA	EI6FR	HB9TKS
JR7BDQ	S51EC	163	EC3A	G3TQZ	JA8NFV
K6ZZ	SP3FAR	DJ9HX	HB9DHK	IZ4DPV	K0KVR
N0RN	UN9L	JA9NLE	HB9FMN	JA1GHH	W1NA
N4PY	VE6WQ	JH2SON	IW2FND	JA9APS	W2XI
SP3GTS	W1YW	K8TL	JA2EPW	JH7IAJ	W5DNT
SV3KH	W3IP	UR4CWQ	JE2LUN	K9GA	WS7L
W8KEN	WA0MHJ	VE3CFK	JE2OVG	LY5A	YS1RR
W9AJ	WA4LOX	W6RW	JF2XGF	N5MOA	
W9EVI		W7AL	JR7MAZ	NE9Z	153
WA3AFS	166	WP4U	K3MSB	RN3OG	AJ9C
	4Z1UF		NR4M	RU4UR	DL3ZA
169	DJ4SO	162	RU6L	SM3PHM	EA5BY
HA9PP	IV3TDM	4O3A	SP6EQZ	SV8ZS	G3TJW
IK0PEA	JA1FNA	9A4W	SV2AEL	W2TA	HL2CFY
JR1IZM	JA9LJS	CT1GFK	UA0FZ	W5GZ	JE3GRQ
K1LI	K3KY	F3AT	UX5UO	W7TVF*	JF1IRW
K1NU	K4JLD	I2ZGC	W1BR	YV2IF	K4RG
N4XX	K4PB	JA6GIJ	W5XC		K8VJV
N7US	K4ZYU	JF1WPB	WX0B	156	N3RC
PE1L	K9MBQ	JF2UPM		DL4MM	N4TV
RA3DNC	RM3DA	K1KI	159	F6HDH	N5TW
UT8MM	W1RR	LB6KC	JA4FKX	IK0AGU	N8II
UY5AA	W8ILC	N8MR	JE2LPC	IK0FUX	R9OK
WB3JFS	WA8TXT	W0HT	JG0CQK	IZ8IEV	SM6CLU
			JH6QFJ		

SP5CCC	N9CO	K8UT	N1IX	NQ7R	DL5EBE
UT5UY	N9MB	KM1H	N3KK	NY2NY	DL8OH
WB8BPU	OE8SPW	N1IBM	N7BT	OK1DO	JA1TMG
WE1P	OZ3SK*	UN7LZ	SM4OLL	W2OO	K1CA
WJ4T*	UA6YW	W2KKZ	SM5CLE	W5LUA	K3ANS
	W6DAO	WW2DX	W2/CT1GIF	W5VQ	K6AM
152	W7CT		W4GE	W7ZI	K8RF
EW2A	WA2BCK	146	WC5M	WA5POK	KD0PO
JE3ENP		F5PAC	WD5T	WB8CQV	KU0A
JR9OPJ	149	G4FTC	YO3CD	WP4G	LA8WG
JT1CO	DL7CX	JA1HQG			OK1MP
K7SP	IK4FNF	JA4DHN	143	141	OK2QA
KS3F	JL1ARF	JH1GNU	DL1DUO	DL5MHQ	SM5CBM
N9OY	K3RA	K5KV	DL6EN	EW1BA	SV8ZC
S55ZZ	K3TN	K5SM	HB9HFN	JA1PTJ	W0SD
UA6IGI	K4YYL	K6NR	HS0ZEE	JA2ATE	W5ADD
UT5AB	K8ME	K7WP	K0QC	K2RW	W9XQ*
VE6LB	NX8Y	RU0SN	K7CMZ	NJ3K	WA8WV
W1SKU	SM6CUK	W1IZL	K7CW	SV3FUO	
W1VT	SV1CNS	W1ZT	K8ROX	W1AX*	138
W2RS*	UW7UA		K9MK	W3BW	DK8MCT
W6RLL	W0GG	145	KJ9C	W4JVN	DK8YY
W7AJ	W7HPW	AF4HX	LA6OP	W4VIC	EI9FBB
WB3CQM	WB8B	JJ3HGJ	LZ2ZG	W8HW	EU4A
	WD5K	JN1BMX	N2RJ	ZS1C	F6DDR
151	WS5W	K1OA	N2WM		IK8EPC
DK2OY	YO3DDZ	K3VAT	N5UW	140	JF3LOP
EI9JF		K4OY	N6PAT	9A1CAL	JK1AJX
F3SG	148	K7HP	R8TX	DF2RG	K1RO
JA6BEE	DK2CC	K8BL	VE3CV*	JA9RRH	K2RET
K2FW	EA7TV	KF6HI	W0IZ	K5WK	KJ6P
N1EN	F5CQ	N1CGP	W6QUV	K6KLY	KK1W
N5JB	F5LVL	N4GG	W8RLS	KF8DX	N8OC
OK1ATP	HB9BUN	RT0F	WB8ZRV	N4XP	OE6VIE
RD3A	IZ3ENH	SM3DTR	WD9DZV	N7WS	OZ8X
RU3A	JA2VQF	W1OP		OH6NIO	RW4CY
S54A	JH1QDB		142	OK2ZV	W1GD
SP7AWG	KR2Q	144	HB9SLO	ON7DR	W2YE
SV9AHZ	N2WB	AA6AA	I0JBL	PC3T	W4YV
W7RH	NE3F	DL5KUA	I5HOR	UN1L	W7OM
WA1Z	W5FIX*	DL6MRS	IT9BLB	VE6SV	
	W5FKX	E70T	JE1FQV	W0SEI	137
150	W9JJB	EI6IZ	JE2DZC	W4NU	CU3EQ
DL4SZB		GM3ITN	JR7WFC	W7IV	GM3YOR
IT9DSZ	147	HB9BYQ	K3PP	W8LWU	IZ2FOS
IV3RAV	AA7G	HI3T	K4WZ	YL2MU	JA3APU
JA2NQG	EA3GP	I5MXX	K5VWW	YO9FNP	JA3OOK
JH1NYM	HB0CC	IT9GSF	KQ4AV		JA5XAE
K0RS	IV3VBM	IZ4GWE	LA9VFA	139	JE6TSP
K7LV	JA1SVP	JA3GN	MM0SAJ	CU2AP	JR1XIS
K8AJS	JA1XQC	JR3OEH	N5XZ	DF7EE	K2QMF
KU4XO	JH4ALY	K0VSH	N7QT	DJ4XA	K8NS
N3QE	K2AX	K5TR	NA4D	DL5CW	N2PK

ON6AA	134	SV5DKL	R3VA	VQ9LA	OZ1IKY
RA3CO	CT3HF	VE3CRG	R5QA	W2WC	PA5TT
RG7G	IK4DCS	W1EQ	R9AB	W4IS	S51NM
UU1JA	K1TO	W4AXL	RU1AO	W6RKC	SQ5EBM
W1ITU	K3OX	W4RBO	SP6M	W8MET	VE3CX
W2CG	K7XB	W4WM	TA1CM	ZS1A	VE7BV
W5ODD	KA8SYV	W5SL	UN7JX	ZS6UT	W8MK
WB5JID	KX4TT	W7AH	VE3DO		W8REW
WO2T	N9RS	W7CD	W2MPK	127	W9ILY
	OE1TKW	W9FR	W5AJ	HB9AZZ	WB0O
136	PY5HOT	WB3D	W6DR	HK1MW	WB2REM
DS1JFY	RG6G	XE2S	W9ZT	JA1DDH	WD4LBR
E72U	UA0ACG			JA1WLO	XE1KK
ER0FEO	W4JKC	131	129	JA8RJE	YU1EXY
IK8CNT	YU1AM	DK7YY	EA1YO	JS2LHI	
JA4OK		G3UHU	JA1NWD	K0RW	125
K0TV	133	HS1NGR	JA8JO	K3TRM	9A1AD
KR6C	9K2NO	IV3KFB	JH0BQX	K7TM	EA1AF
N2ZN	EU1U	IZ0RVI	K3NK	KM4H	GW3TMP
N6PSE	IZ8DFO	JA2TBS	K4TT	KM4NS	HK4SAN
OK1DW	JA7GLB	J11DCW	K6XM	N1AC	IK5DNF
SM5OJH	JA7LGE	JJ1TEA	K9ZM	N1GC	IU0HDC
SP2BMX	JA9AGN	JM1FHL	KM3V	OE8HIK	JA4IYL
UT3UZ	JH1HHC	JR6FC	N0YY	OH1JP	JA6VU
UW8SM	K1ZN	K5VIP	N3KS	SK7AX	JE1TSD
W2OIB	K2CDJ	KH2L	N3RR	SM0BYD	JE6UWU
WB7QXU	K8GI	N4QWZ	PY5EG	SP6A	JH3CUL
	KS4YT	N5PHT	SM3BCS*	SP7ASZ	JH4ADK
135	KU2A	N6RK	W7QHE	V51B	JL1RUC
5B4MF	N9MR	NA5DX	WE4S	W0CP	K1HAP
DJ9ZB	OE1KM	NN4R		W0RT	K5KG
F6FXU	RA5BM	ON4ON	128	W0YVA	K8DV
HB9IQB	RV4LC	R0SR	AA4SC	W3BG	KA6BIM
IV3DXW	UQ2PZ	R9MJ	DM2RM	W3MF	KI4WCQ
JA7LMZ	VE3WT	R9SA	IT9ZZO		LZ1XL
JA8BNP	W0NFL	W7JY*	JA2AHH	126	N2KA
JA8JL	W2QO	W8DCH	JA2KSP	DJ8WD	N3EN
K1ZE			JA9AA	F8BPN	N4JT
K7FL	132	130	JE1LFX	G4IUF	NA5C
NZ9R	AA4NC	DF9ZW	J14POR	HB9FMT	ND5S
R7LP	AB9M	E73M	K0FF	IK8GYS	NW6S
RN3RQ	AD6W	EI2JD	K3XA	IZ7EVZ	OE1AZS
SM3LGO	IT9RDG	G7VJR	K4JAF	JA7KY	OH1ZK
SM5CZK	JA2KVD	HK0HEU	K4SE	JH4HMG	RA0BA
SP3XR	JA3DY*	JA2FBC	K6LPO	JJ1DWT	UN7JID
W1DIG	JA6CBG	K2MYR	KG7CW	JL1UXH	UU7JM
W2GD	K6EME	K7LFY	LB5WB	K2ZD	VE3UTT
W4BUW	K6YUI	K8BCK	N5KM	K4JKB	W5DAW
W4MBD	N6HY	K9GL	R9SG	K4XU	W9CG
W4RFZ	ON4CAS	N3MK	S53X	KC2LSD	YO2RR
W6JTI	OZ2RH	NA4EA	S55DX	LB7ZG	
W8GNM	SM4BZH	NO9E	SM3GQP	N8NA	124
WB0TEV	SM6BGG	OZ2ABI	SV3DCX	OK3CQD	AA7XT

IK3VBB	122	HB9BLQ	N9UA	IT9DAA	PA0JSE
JF2WXS	G3NDC	HB9DHG	NT2A	JA1HQ7	RV3ID
JH4JNG	HA1RB	IZ0LKV	NY7T	JA4FM	TZ4AM
J11DHY	JA1MRM	IZ5NFD	OH5NG	JA7GYP	UA4PCM
JR2LJO	K1YT	JH4GJR	OK1DT	JA7IC	VA7CRZ
K1UU	K2MP	JR6LLN	R6FFB	JE2JMV	W1ENE
K4ZO	K7ZA	K1ESE	SV1ACK	JM3GXU	W1WEF
KD4POJ	KR0P	K2BA	SV1IW	JR2UBS	W7GG
NA2U	LA7WCA	K2HK	W0QQ	K1BZ	W7OEV
PA0TCA	LA8PT	K3QIA	W0RX	K2BB	W8LRO
PA3EWP	N9AW	K6FW	W4HZ	K6PJ	WQ5L
UA0BA	NA9RB	K6SIK	W5QP*	K7PI	
VE1DUN	NN7X	KA8ZPE	XE1RCS	K80OK	115
W2JU	OE3SGU	N0OK		K8QM	C6AGU
W2RIJ	OZ3Y	N4BAF	118	KV4AA	CU2CE
W3FM	RD4A	N4TB	5T5PA	N2BJ	DL9GOA
W6CYX	UU4JMG	N4UFP	AB2E	N3ND	G4XEE
	VE6AX	OE3EVA	AE3T	N3NR	G8BCG
	W8LMG	OZ2A	AG1A	N4IR	G8DX
123		PZ5RA	DL5OCE	N4TL	HA5UK
AB1OC	121	SP7ITB	JA4FHE	N6MB	HB9RYZ
AC4TO	AA6RR	UR5IKN	J18DGO	N8AA	IZ7JVR
DL7JRD	CT3KN	US0YA	JN1RQV	N8XI	JH1RFM
DL9FCY	DF1DB	W2YR	JR3UIC	NY4G	K0GD
G4WFQ	DK1EI	W3OA	K3WGR	SM7BIC	K0SD
G5LP	DK6CQ	W4PRO	K4CNW	SP6JIU	K4CMS
HB0WR	F4GTB	W6RFL	K5JC	SP8HKT	K4GHS
IK2CHZ	IK2SGB	W7RN	K8LN	UA6J	K4GK
IK3XJP	JA1SJV	WA3I	K8WVA	UB3A	K5XM
JA0CRG	JH7RXU	WV4TN	K9DR	UR9IDX	K8YTO
JA1XCZ	KD8RQE	ZL4AS	KD6UO	US1CT	KO8SCA
JA3MHA	KG9Z	119	LZ2HM	W4ZRZ	KV1J
JA6WJL	N1JP	AA3AZ	N2MM	W6SL	LY4T
JR1EBE	N6HC	AJ4A	PY2PA	W8ZR	N0IRM
K2PK	SV1AHX	DK3GG	RN3TT	WA2USA	N4OA
K3XO	UQ1GWW	EW4M	SV9COL		N8KOL
K4ZIN	UT4EO	G4DJJ	TA2RC	116	PA3AXU
K5GH	UU2JQ	HB9AAQ	VK4CAG	AJ4F	RZ6MJ
K7UT	VA3AYA	HB9BCI	W1K SZ	CT1FCX	UA1ANA
K9CS	W2GG	HB9CQK	W3RJW	DL7URH	UA1CGS
KV4T	W2TB	I2TZK	W4DAO	EA5BRE	UA6XT
N2ED	W6XI	I4MKN	W4NF	EI2GLB	UN6T
N4DWK	W9YE	IU0LFQ	W4NJ	HA7PF	VE3YF
N6MZ	WA1PMA	JA3AZD	WT4Q	IK0EIE	W5JMW
N9JV	WY1G	JA4XGC	YO4AUL	IK2OHG	W9XX
N9LQ	XE1VIC	JH6CDI		IT9TQH	WA7BNG
NA2P		K5UZ	117	IV3HYD	WP3R
S50B	120	K7EG	9Y4VU	JA1WTI	YL2CZ
UA3DK	9A5F	K8KWT	AE0P	JG1DUZ	
UT3QU	AC9EM	N0KV	BH4IGO	K1DC	114
W1AO	AL7TC	N4LR	DL1DWT	K1RI	AA4DD
W8NJR	DL2VWR	N8PW	G3LAS*	K9SG	BA4DW
WB8K	FG5FR		IT9AAI	KT1V	BA7IO
XE1H					

CT3FN	N4IQ	KI4DLS	LA0CX	NG0G	WN0L
CU3AK	N7KO	KM1C	N4WJ	NY4I	XE1FAS
DL6NB	NA3F	KM3T	N7BD	OZ1LCG	YV3AGT
F6CWA	NI5F	LA8HGA	N9HF	RD9M	
G3SDL	NK5B	N4ZY*	NA1DX	SM5BHW	108
HK3PJ	R7NA	N6MA	UR6QA	SV1VS	AI2Q
HP3TA	RA4UN	N6PE	UT1UY	UA3O	AL7R
I5OYY	RZ3AUL	RU4SU	VE6KC	US7MM	DG7RO
JA0AOO	SM5ARL	SM3DMP	VE7CT	W0UY	DL6CNG
JA2KNW	SP3EPG	UA1ACG	VE7UF	W3XY	ER1LW
JA4KDT	SV1FKZ	UA1CEI	W3FOX	W4DC	G3VAO
JH1AGU	SV1JFV	UT6UD	W4HOG	W4NE	HB9BAT
JH6WMJ	SV2AVP	VE7XF	W4OX	W5ZPA	HB9CEX
K1RV	UN7TW	W1HEO	W5AQ	WB4TDH	HB9FAN
K2DC	VE3KI	W2CVW	W7VS	WL7E	IK0PRG
K3MD	W2GW	W2SKI	W8KA	YU7AU	IZ0BTV
K3OSX	W6BK	W3MR	W8MIL	ZL3NW	JA2MOG
K5RJ	W8FAX	W3UL	W9RB		JA3NHL
KB8U	W8FIB	W4VHF	WA2BOT	109	JE2UFF
KZ4V	W9VNE	W5VX	WA2MUA	DF1KG	JI4WAO
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N2JJ	WB2HJV	W8GEX	YL3DQ	EU4T	JK1MZT
N3MN	WB2UFF	W8HMK	YO6HOY	F8EZE	JR7FRW
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WA9YYY	112		F5BAR	K4RDU	KM8AM
XE3ARV	A92IO	111	G3LNS	K5KA	KN4JX
	DJ1RL	AA4U	G8AJM	K6MW	LU2DKT
113	DK5RL	AB4GE	HC1BI	KC2STA	N1BZ
9A1A	DL5CL	AF4OX	HL3GOB	KE1F	N4MEC
BA4RF	EA1JO	DK2WH	I2BBJ	KL7RA*	N6RFM
DJ5DT	EI8IU	DK6ED	IK5RUN	N8NN	N9TF
DJ9RR	EW1DO	EV1R	JA1OVD	N9ISN	PA0ZH
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DL8DYL	HB9CRV	G4DBN	JH1VHU	NN4RR	R7LA
EA5KA	HB9G	IU8FRE	K1EO	NU4I	RX6DX
G4AFJ	IK7YZG	JA1AUD	K3JRR	NX7U	S57J
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JA5WIZ	JA2HYD	JA5FDJ	K5WAF	RW9QA	UZ6LWZ
JH1ORA	JA7BXS	JE2EHP	K6VKO	RX3AGD	W2UB
JH3GCN	JG3LGD	JE8TGI	KB4MRX	TG9NX	W3NRJ
K8SL	JR7TEQ	K2HAT	LZ1PM	UB5ZAL	W4ZYT
K9GWH	K0CA*	K3FRK	N2CG	UT7KF	W5VY
KA4RRU	K0JPL	K3NF	N3HBX	VU2CPL	W6KK
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KH6DX	K1KO	K7ORK	N3JB	W1OPD	W9NIO*
KI0G	K4UAS	K9AJ	N4KE	W5WP	WA2ALY
KT1J	K8CC	KM1R	N5BO	WB5TUF	WA8MOA
N4DJ	KB2FCV	KZ0X	NC6K	WC2K	WC1M

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	106	W8OP	VY2ZM	N3ER	IK2ANI
107	AA4FL	WA4MYO	W1LY	N3TR	IZ0CKJ
4Z5LA	AA5JF	WA6TLA	W4OWY	N4TTE	JA2GQO
DJ8ES	AE2U	WC6DX	W5KI	N8MZ	JA2OLJ
DK3FB	DJ6OZ	YL2GN	W6FF	NJ9C	JA8EJO
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DL5XU	DL2NOM		YU1NR	OH2OT	JK1EXO
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EA5AT	EA3CCN	DF2PI	104	RU3UR	K2UVV
EA7QW	HA8DZ	DF8AA	9M2AX	RZ6DX	K4LQ
FG8OJ	IW3GJF	DJ3XD	AD1C	RZ6LB	K5JUC
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IT9XTP	JG5RVQ	DO1CTL	DL4FAP	US5CAO	KE1IU
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K3YBN	K4DSE	JA6VA	HB9CIP	W1QA	N1HOQ
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OK3CQR	NU4Y	LZ1JZ	K1EP		SM3CBR
R0FA	OE5CSP	N4JI	K2BLA	103	SM6EHY
RN4AA	OK1AYU	N4NW	K3FM	AG1I	SM7BHH
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SP6AXW	UR3CRO	N6NU	K4VIG	DJ7PI	US2WU
US5CB	UT7UU	ON7PQ	K4YJ	DL2HX	UT2AB
VE3OI	UU5WW	OZ4AAL	K5HK	DL8YRM	VA2ZO
W3KB	V73AZ	PF7M	K6UM	DM5TI	VA3IC
W4UCK	VQ9SS	PJ2/K8ND	K7TJR	DS3HWS	VE3EDY
W6TDX	W1CWU	PY2DS	K9EA	EA7SG	VE3MFA
W8VK	W2EQ	R6YY	KA2BZS	EU6MM	VE3VV
W9CPV	W2LE	RA6AF	KH6KG/W5	EW3LB	W0UVC
WB8ART	W2NO	RD4WM	KI0KB	G3BDQ	W1CTN
WS1L	W3ICM	UA6LCN	KK9H	G4AAW	W4AVY
XE2YWH	W4IR	UR1RWX	KW0A	G4PUQ	W4MZ

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WA4CEM	OH2EA	G4FJK	ON4LG	AB4VV	KC0V
WB8BZK	OK1DTN	GM3WTA	OZ5HP	AC4VM	KC4D
YO7APA	OK1JDX	HB9NL	PA4WM	AG4Q	KC5LT
	OK3CSQ	IV3GOW	RA3AH	AI2S	KD8BZY
102	ON5UE	IV3KCB	RA4P	DJ6OI	KP4AA
A6/RV6LNA	PA7TWO	JA1VVX	RA4SD	DL1HRN	KP4N
CT4BD	PV8ABC	JA2VMU	RB7GG	DL1TPY	KQ5M
DK3QM	PY2DO	JA6TMU	RK9F	DL9GTB	KS4XQ
DL3DXX	R2AB	JA7SFD	RY6M	DU7ET	LA6UL
DL3NCR	R3IS	JF1RPZ	SM2DMU	EA2AAZ	LA8W
DL4CW	RU3UN	JH3HGH	SM7NDX	EA3ALD	LU5OM
DL4KUG	SM6WET	JH3PRR	SP7JLH	EA8AXT	LU5YF
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EI4DQ	T77V	K0LW	SV1PL	EI9E	MM0SJH
ES5RW	UA1AIR	K1YR	UA0FDX	ES5NC	N0AH
F6BWO	UA1CKC	K2BX	UG6GAW	F6ECI	N1KI
FM5WD	UA6HOF	K3SEW	UR7CQ	FM5GU	N1MD
HB9AHL	UA9MR	K6AAW	UT1CC	G0VXE	N2DPF
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JA0HXV	VR2MY	K8BN	VE3XB	I2VGW	N4CRI
JA4EVN	W1MRH	K8ZR	VK2GR	IK0HFO	N4ZR
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JA7EPO	W2LW	K9PG	W1AW	IK8UHA	N7DED
JA8OW	W2TX	KC4PX	W1FC	IS0/YO3RA	N7TK
JH3AIU	W3EKT	KD3UY	W1GF	IW0BYL	N7TY
K0EEO	W4ALF	KE1VT	W2SF	JA1BRK	N8IL
K0YN	W5TO	KE4S	W3HKK	JA1CPU	N8NB
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K4KAY		N0STL	W7QC*	K0XM	NJ3I
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K7UA	AC9S	N9JCS	WB3HLH	K4FT	OK2PAZ
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K8OQL*	D44BC	NK7C	WK9U	K4MS	ON7EH
KB9DAK	DH2FW	NX2X	WR2G	K4SAF	ON7GB
KG8CW	DK9WI	NZ9Z*	YO6BHN	K4UQC	ON9CC
KJ6NZ	DL1KS	OA4TT	YV4DYJ	K7VIC	OZ1ZD
KN4KL	DL3ANK	OE3WQB		K8BZ	PA0INA
KW4BY	DL5JS	OH3TY		K8CR	PA7RA

R3PJN
R9JX
RA3SD
RA4LW
RA6XB
RC2A
RL3BZ
RN1A
RT5A
RU3GF
S53MJ
S59DJK
S59SV
SM5AHK*
SV1VJ
SV2DSJ
UA3AKI
UA4PAY
UA6CEY
UN6P
UR4CW
UR4LRG
UR8IDX
US8UW
VE1RGB
VE3OAT
VE7JKZ
VP2VA
VR2PX
W0GYH
W0MU
W1AN
W1YRC
W2CCC
W3BBO
W4HHN
W4OV
W5BK
W7DT
W8CNL
W8FN
W8GDQ
W9FI
WB4SON
WK4Y*
WU2M
YB1TJ
YL2SM
YO2OXD
YO9FLD
ZP9MCE
ZS2DL