

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 17 Jan 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 OH3SR S50U W1JR	309 UT5UGR W5IZ	302 DL4MCF GM0GAV GM3YTS
341 EA8AK	324 K2TQC OH2BO W1NG	314 IK4GME K5RK N1DG NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG	301 DL9KR F6BKI LZ2JE N1RJ N3XX S54E
340 K1ZM	323 EY8MM S50A SP5EWY	313 GM3POI OE3GCU OZ7YY	307 DJ7MI OH5VT UT3UA VE3EJ	300 G0JHC G3KMA I2ZFD PA3FQA RC3FL SM3EVR SP3EPK SV8JE VA3EF
339 W4DR W4ZV	322 K4PI UX0UN W3UR	312 OH1MA	306 EA6SX K4CIA N4RJ SM0AJU WT3Q	299 JA4DND K4TEA N1BUG SV1FJA UX1UA W7UT
334 N4WW OH2BU	321 WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A RZ3AM SP2FAX	305 JA7NI K4ZW N4IS UA6A	298 9A2AJ IK2DFZ OZ3PZ SM5CEU
333 R7LV	320 SM4HCM W8UVZ	310 I4AVG KJ9I SM5BFJ SM6CVX	304 CT1EEB DJ0MDR NN4T	297 DK5PR N4CC OE6IMD
332 UR0MC	319 K8MFO N0XA SM4CAN		303 F5LGE JA1BK JA4LKB K1UO SM3GSK YU1FW	
331 K5UR	318 W9ZR			
330 AA1K HA0DU LZ2DF OH1XX UT7QF	317 W3LPL			
329 K3UL UA4HBW	316 4X4DK W2VO			
328 R4GM UA4CC				

OM2XW	289	SM6CTQ	275	RK4FD
RA3DX	I5NPH	SP3DV	9A1CCY	W1MK
W0FLS	JA3ONB	US5WE	F5NBU	
296	K0KX	UY5ZZ	IK4CIE	267
DF2UU	K4WM	W0BV	K2UO	LU8DPM
F5NTV	N8DX	W2YC	K4IQJ	RZ3DX
G4PWA	RX4HZ		OH3BU	
OE1WEU	US4EX	281	SP5CJQ	266
ON5NT		DF2PY	UW2ZM	K8PT
W1JZ	288	JA2PJC	VE2TZT	LA3MHA
	PA3GCV	JA5EXW		NR1R
295	RA3CQ	K1CP	274	R3LA
JA2JPA	RY9C	K9CT	G3TXF	W8TE
K3UA	SL0ZG	S59Z	K1ZZ	W8XD
	SP7VC	W4TO	SP6AEG	
294	UA4LY		W6UB	265
JA4LXY	W0JX	280		AA1V
JH2FXK	WK3N	EA6NB	273	AA4V
LA5HE		HB9BIN	IK8HJC	AA7A
RJ3AA	287	NJ6P	JA8ISU	G4OBK
SV8CS	DL1RWN	SM4DHF	K2CL	RWOLT
WD5COV	G3XTT	SP6HEQ	K5BG	SV8BHN
	N2QT	YO3APJ	KF2O	YO5BRZ
	VA3DX		MD0CCE	
293	W4PK	279	RA3DA	264
DL1AMQ		IK4DRY	SM6CCO	AA6YQ
S58T	286	JR7VHZ	UA3DPM	IK2YCW
	DJ2YA	N2TK	UX1AA	K7ZV
292	IK1GPG	N5DG		SP9JZU
G4BWP	K3SX	SM6CNN	272	W1GL
JH4UYB	N3SL	UA6MF	9A2EU	
JR2KDN	PA0WRS		CT1EKY	263
OZ1BTE	UT7UW	278	DL1DUL	IZ1ANU
SM5AQD	W8AV	DK0EE	DL2OE	K9OW
SV1AOZ		F6BEE	SP6CIK	LA5IIA
W3YX	285	IK6DLK		W2SM
W8TOP	CT1APE	JA3FYC	271	W3AP
	G4CCZ	K5DU	EU7A	
291	HB9BGV	KG4W	G4GED	262
9A7V		UR5WA	HB9AMO	G0DQS
DF3GY	284		OZ1CTK	K4XP
KD9SV	K5XI	277		KR9U
N0TB	UA3AB	AA4MM	270	W1YY
R7NW		DJ9VA	OE5KE	
SM3NRY	283	F6AOJ	SM5KNV	261
SM6CMU	NA0Y	IK5BAF		9A4T
SP3E	NO3M	ON7TK	269	DL9YX
UA3LAR	R3OK	SP9DWT	JA5AUC	EI7BA
UT7UJ			K6ND	K2EK
W5ZN	282	276	KD5M	K5KC
	DL1YD	DK5WL	RV3LO	N6SS
290	I0WDX	DL7VEE	W1ZC	NO8D
IZ0AEG	JH4IFF	G3LZQ		SP1S
SP3IBS	K4SO	N8RR	268	SP5DIR
UA3AKO	K8KS	N9IW	DL5DSM	
	N2LT	OK1AWZ	G3WPH	260
	N7NR	RU3FM	RA3XDX	EA5BM

K1LT	252	N6TR	LA2XPA	234
K4DY	EA1DR	TF4M	UR5MID	AC4G
KX4R	IV3YYK	W2TQC	VO1NA	AJ6T
259	JF2MBF	W5XZ	239	IZ8FFA
DF4PL	JG3QZN	245	F6BLP	K1AR
F6GCP	JQ3DUE	AB3CV	G8VR	K4UTE
I1FQH	ON4AOI	DL4CF	JA5MHD	KF0QR
N3NT	PA4VHF	JA1GV	JR3GWZ	PY1BVY
R9FM	R5DT	N9US	K0KT	233
258	S52F	RL9F	K1HTV	AB4I
G3ZSS	W3UM	RY7G	KH6AT	EA6VQ
KW9A	251	W9XY	LY3UM	JA0FSB
N5KD	DJ7RD	244	RN3QN	K0CS
RN3CT	DL9RT	AG9S	RU3QR	K2UU
VE3QAA	I1EIS	DK6WL	SV1ELF	KA7T
257	JA2VPO	IK0XBX	SV1RK	SK3PY
IK5HHA	JH0BBE	JA1HGY	238	UA4HAU
K1GUN	N4II	JA7QVI	DL8WN	VA2WA
W9YSX	VK4MA	ON4IQ	IK0XEZ	W7AO
256	W5UN	243	JA0DAI	232
9A5CY	W7LR	DK2JX	K1DG	JA8EAT
JA5BZL	250	DK3DG	VO1HP	K2AZ
JH1GZE	HB9RG	JF8QNF	237	K4XL
K1QX	NQ1K	NN4X	DL7MAE	NI6T
K5VRX	OZ8BZ	ON4ATW	IK0MHR	NV9L
K8FL	PY2RO	S57A	NI0G	S51DI
N8TR	249	W9RPM	OM4EX	UA3AP
PA7MM	AI9L	WX4G	RA0FF	231
W1TSP	IV3ODE	242	UR5EDX	4X4NJ
255	JR3IIR	KG7H	236	HA9RE
K4QL	K9NW	241	EA6ET	IK0YUT
KY7M	SP5DRH	EA4KD	K1JO	JH1HGC
N2MF	248	JA1SYY	K9NR	K5EK
R5AJ	K3WW	JA3EMU	K9ZO	N7NG
UX0FF	K5RX	K2FF	KC7V	ON4ACG
W3DF	K9RX	K5ZK	OK2ZI	W9IXX
W5OZI	N2NL	N4XM	OZ4O	230
254	SM3VAC	N5TY	SP8AJK	DJ5FI
N0AT	SV8GFW	N7RT	YO9HP	FK8CP
OM3DX	T77C	OE2LCM	235	JA1CMD
WA4FFW	UT9FJ	OK1DWJ	CX6VM	N8JV
253	W9NGA	SP5GRM	JH4ADV	SM3NXS
5B4AGN	247	UA3TT	K3SWZ	W4GF
AA1QD	K6XT	VE1YX	KA9CFD	W4VQ
K5ESW	NO2R	VE3NH	N6DX	229
S58Q	R7IA	240	OK1CF	CT1FJK
UA1OMS	WB3AVN	JA0CRI	R7DX	DJ4AX
W0YG	246	K0JUH	VE3XN	JA8FKO
W3KX	DJ2TI	K1FZ	W3LL	J11BEX
	F2JD	K1ZG	WA7NS	OE5NNN
	K0IEA	K9OT		RO7T

228 AF9H AI0O EA1N K4HB N2WK OH2BEN SV8CKM VE3DZ	N8BM SP5INQ VK6VZ W0VTT W2RQ	RA3WDK SP4K UT7UV WA2UUK	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M RU4SO W0LYI W1FJ W2WG W3YY	VE3LYC W0ZR W7KNT
227 DL7HU E72A ES1RA IK0HBN IK6FWJ JA1UQP JA9CHI K1FK K3NW KD0Q W1TC WB6RSE	223 AB0X HA7TM JH2TPI RT6T SV2JAO ZS4TX	218 DJ4PI DK0PM DK2NG IK1YDB JA2FBY JA8CDT JF3KON K0EU K5UO UT4MF W5PJR	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I LA7JO N1ZZ N4MM SM5CZQ WB9CIF WS9V	208 G3NSM JA7MSQ JF4VZT K2FU N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
226 JA2NDQ JA6BZI JF2KOZ JR6EZE K9FD* N6AR N6JV ON4GG UT5JAJ VE6WZ	222 DF6PB IV3JVJ K3SV K6EID N5AW N8PR N9BX SM0CCM W9BF	217 K5PC ON6YH UA3AGW	211 F6DAY IK4DRR JA4DEN K3WA LA7GIA NX0I RU3SD UR5FEO W1ECT WA5VGI	207 I4LCK K1LPS K3JT K8EUR PY2BW W0LS
225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR US0SY VA5DX W7KW	221 DJ8NK K4MWB K8FH K8SIX MM0EAX N6VR SP7GAQ W1ZK W6JRY WA7NB WS6X	216 JA6LCJ JH1IFS K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	210 I8SAT JH0INP JJ2LPV LA4GHA UW7LL W7JW	206 DM5EE IK0IOL JA3PIS K2VV K5AQ K5RT KG9N N8DJX N9AU SM6BZV US0KW VE3BW
224 DL5WW I3BUI IZ1LBG	220 AG8B HB9LCW HL5IVL JJ3PRT JR4OZR K8ZTT KA1R N1LN N5JR VE3EXY	215 AD5A JA9PPC N7JW RA1QD W0UO W2LK W6YI	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX	205 I4KDJ JA3AAW JA9FPI K1DT PY2XB W8UN WB8ZRL
	219 IK3VUU JA2FJP JG1ULJ LB8DC N0AV OE8RT	214 DL7BA HL3IUA JA2JW JA2WYN K3JGJ K4NA OK1DX RN7G W4NL		204 DJ5AV IK7NXM K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX

W2HUV WD8PKF WF4U WI8A	LA7HJA RW4NN RW7M UY0ZG W0DD W0MHK W2IRT W3GG	195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	WN6W	SM0NJO W7AWA
203 IZ8VYU JA2XYO JE1PNX K4XO K8AC K9MMS KK2I PA0A R6AF W8GC	199 JA2DPC JA2JNA K1GG K6GXO N4DW OZ1AXG W1TO	194 K4KDX K9JF KB9LIE KC9ARR W1NT W2LO W4FC W4UM W9OO WD8JJA	191 G0OIL JA1ANR K8FC K9LA RK2FWA RX3APM WA2VYA	186 9A8A IK2QPR IZ8FWN JA8DNV K0BJ K3PA K6SRZ K7LAY NE1B WA3C
202 DL1MGB DL2KQ DL9DRA EA1RT JA3CSZ JA5AQC JH3VNC K2NV LY1G N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR W7DO WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR KV7K W8HB	193 DL5ZB DL6ZXG EA3WD HA5BSW JA1XEC K4ODL K9YY KB8VAO N9EN PA0LOU RN1ON UA0CA W9MU	190 CT1IUA IZ8XQC JA1DUH JA1MCU K2TE K9KU KF7PG KM1D LA7AFA N4XU N5GH SP2LNW VE7VV XE2X	185 AB6QM EA6BF G3KWK IK3SWB K0BBC K5ZD N4TJ N5UR OE2BZL SV1DPI UA9CBO
201 AA5AM CU2DX DL1EJA F4BKV JA9NFO JI2KXK JO7WXN K3HP K3LR K5MC N4QS N5ZM W5TCX	197 G3SNN HB9DDO I5KKW JH2UVL K8NVR LA5YJ OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL	192 9A2NA DK1FW IK0FVC JA0EOK JA7JWF K3FN K4FJ K5XX K7GM K9EU N4DB N5LZ W3UA W8LGJ	189 9A2F EA8PP FM5CD JA3RAR K0JGH SM7GIB SP7HOV UA7T WE9R	184 AA1ON I2AOX JA2ZL JF1NZW JF1PUW JH1RFR K4HGX K5KLA KB4ET KL0S OH2IS S57AC US8UA
200 JA1GTF JH2RMU K1GE K9US	196 4Z4DX AA4HP AG4W DK2LO F6EXV IK4PLW JA4PXC K8PO KA9FOX KP2A ND0N RA9CMO RZ4FO W0FS W2FCR		188 AB4IQ JA1KQX KB0EO KB1EFS N8LJ RM0F W6SR W8JV WA6YEE	183 CT1FMX CT3MD IT9INO K8VC KE9ET LA3WAA NN2L ON6SAS W2FP W8NW
			187 AJ1H DF2GH JA0VSH K0SR KN5O N2NS OK1CZ	182 DJ9ON

DK3UA	CT1EAV	OK1DWC	JM1GYQ	VE6WQ
JA1SHE	CT1GFK	RN7F	JR7BDQ	W1YW
UR3EO	EA8JF	UA3LNM	K6ZZ	W3IP
W1YM	HA5WA	W8UV	N4PY	WA0MHJ
181	IK4ADE	W8VVG	SP3GTS	WA4LOX
DK3WW	JE1BMJ	WT8C	SV3KH	166
N3OC	K3WC	173	W9AJ	4Z1UF
VE3OSZ	K9NU	5B4ALJ	W9EVI	DJ4SO
YO2DFA	SM6DHU	I1JQJ	WA3AFS	IV3TDM
180	W2OR	JA1PPW	WC4X	JA1FNA
DM2DXA	W5LT	JA3ENN	169	JA9LJS
DM3VL	W7FI	JA9TWN	IK0PEA	K3KY
K2EP	176	K1NTR	JA1ADT	K4JLD
K4CN	EU1AB	K4XR	JR1IZM	K4PB
K6SSS	I6FLD	KA1J	K1LI	K4ZYU
K7BG	JA0DET	N5FG	N4XX	K9MBQ
LA9AJA	JA5IU	PY5EW	N7US	OH2BLD
N1RR	JA6BJV	W8HC	PE1L	RM3DA
N4AH	JA8KSF	172	UT8MM	W1RR
ON5FP	JL1SAM	G0BLB	UY5AA	W8ILC
UT2UB	K8MN	G3NKC	WB3JFS	WA8TXT
W1RM	N5OK	IZ5MOQ	168	165
W3YQ	RL3FA	JA3FGJ	G3MXJ	DL7UCX
W8TN	W4BP	JA9NLE	IK2EGL	I2ZGC
179	W4GD	JG3IWL	JE7JDL	JA6VQA
IT9ELD	YO7NE	K0DEQ	JF2UPM	JE7RJS
IW0SAF	175	K1BD	K5QY	JN4MMO
JA2BDR	JA1CHN	K6FG	K8RYU	K5JZ
K8WK	JS3CTQ	KJ0M	KR4F	KI5BLU
OK1MG	K4DLI	W4FQT	N4QQ	KK4CB
S57UN	K5GKC	171	N8BJQ	NY0V
SM4DDE	LA0FA	AA9D	PA7F	RC9F
SV3FUP	N7IR	DL6KR	SP5GH	SM4CTT
W2YJ	N7XR	G0EHO	TF3SG	SP6EQZ
W7BEM	SM5FUG	HA9PP	W4SVO	W0DJC
W8KEN	SP1MGM	JA6HUG	W6RW	W5BN
YL2TW	VE3FF	JR1TNE	W6VX	WC5N
178	W7MEM	K1NU	W8OI	164
EA3CJ	WX0V	K9YC	WA5YNB	GU4YOX
HK3W	174	LA5LJA	167	HA7UW
JA2LCP	4Z5CX	N0RN	DK5AD	HB9BZA
JA4MRL	4Z5MU	N4OGW	JE3ENP	JA1RTX
JE2URF	JA0GJJ	N7RO	JG0CQK	JA7ZP
K2UR	JA2XW	N9RC	K4XD	JH2SON
K8RRT	JA7MOL	RA3DNC	K6KO	K1NJ
NE0U	JF7DZA	SV1LK	K8NK	N5WA
SM7DLK	JK1OPL	WB7B	N0IJ	N9FN
SV1JG	JR6PGB	ZS1LS	N3BNA	RA3ZH
W6NWS	K0TT	170	PA3C	SV2AEL
177	K2KA	CT1FPQ	RA1AOB	W4NS
9H1SP	K3AJ	DJ6TK	RN9N	W7YAQ
AE5E	K4TR	JA6JPS	S51EC	WP4U
	K4WS	JF1WPB	SP3FAR	
	OE1WHC		UN9L	

163	UA0FZ	156	N5TW	N3QE
9A2JK	UX5UO	DL4MM	N8II	N9CO
DJ9HX	W1BR	F6HDH	R9OK	N9MB
K8TL	W5XC	IK0AGU	SM6CLU	OE8SPW
UR4CWQ	WX0B	IK0FUX	SP5CCC	SV1CNS
VE3CFK	159	IZ8IEV	UT5UY	UA6YW
W7AL	JA4FKX	JH2QMT	WB8BPU	W6DAO
WW3S	JE2LPC	JO7HAM	WE1P	W7CT
162	JH6QFJ	K0QC	152	WA2BCK
4O3A	JH7CFX	K8YSE	EW2A	149
9A4W	K1KA	KS1J	HB0CC	AA6AA
F3AT	K4RO	N3UA	HB9BUN	DL7CX
JA6GIJ	W3HKK	N4HB	JT1CO	IK4FNF
K1KI	W6BJH	UA3SAQ	KS3F	IZ3ENH
LB6KC	W7SX	VA3LX	N9OY	JL1ARF
N8MR	W9RN	W1YIF	S55ZZ	JR5JAQ
RW3RN	WA9PIE	W4TV	UA6IGI	K3RA
W0HT	WD5BJT	155	UT5AB	K3TN
W0TT	158	AB9V	VE6LB	K4YYL
W1LW	DJ4PT	DL1RK	W1SKU	K8ME
W3JX	DL1FKA	DL6MRS	W1VT	NX8Y
W4DKS	JA9APS	JE2DZC	W6RLL	SM6CUK
W8WEJ	JH1TWT	K2LS	W7AJ	UW7UA
161	JI1FXS	K4WA	WB3CQM	W0GG
DK2GZ	JI1NJC	N3RC	151	W7HPW
DL6RAI	JR1GJP	NE0DX	AA7G	WB8B
JA1DOF	K5TT	NW7E	DK2OY	WD5K
JH4CPC	OZ1HX	SM6VR	EI9JF	WS5W
K1USA	RU6M	ZS6EZ	F3SG	WW2DX
K5GO	SM4EMO	154	JA6BEE	YO3DDZ
K7NN	W0SZ	3V8SF	K2FW	148
K8ND	W1OX	GM3PPE	N1EN	DK2CC
LB2TB	W2XL	HB9TKS	N5JB	EA7TV
N4GN	W3GQ	JA8NFV	OK1ATP	F5CQ
OH6RA	W4QN	K0KVR	RD3A	F5LVL
VK3HJ	157	K4RG	RU3A	HB9SLO
YU2TW	AA4H	W1NA	S54A	JH1QDB
160	AC6DD	W2XI	SP7AWG	KR2Q
AD5Q	DK1WB	W5DNT	SV9AHZ	N2WB
DL1DA	G3TQZ	WB0TEV	W7RH	NE3F
EC3A	G4GIR	WS7L	WA1Z	W5FKX
EI6FR	JA1GHH	YS1RR	WP4G	W9JJB
HB9DHK	JH7IAJ	153	150	147
HB9FMN	K9GA	AJ9C	DL4SZB	EA3GP
IW2FND	LY5A	DL3ZA	EA1AF	IV3VBM
IZ4DPV	N5MOA	EA5BY	IT9DSZ	JA1SVP
JA2EPW	NE9Z	G3TJW	IV3RAV	JA1XQC
JE2LUN	RN3OG	HL2CFY	JA2NQG	JH4ALY
JE2OVG	RU4UR	JE3GRQ	JA2VQF	K2AX
JF2XGF	SM3PHM	JF1IRW	JH1NYM	K7HP
JR7MAZ	SV8ZS	JR9OPJ	K0RS	K8UT
K3MSB	W2TA	K7SP	K7LV	K9MK
NR4M	W5GZ	K8VFF	K8AJS	KM1H
RU6L	YV2IF	N4TV	KU4XO	N1IBM

PC3T	W2/CT1GIF	JA2ATE	W0SD	OK1DW
UN7LZ	W4GE	JA5XAE	WA8WV	SM5OJH
W1OP	W7ZI	JL1UXH		SP2BMX
W2KKZ	WC5M	K2RW	138	UT3UZ
146	WD5T	N8OC	DK8MCT	UW8SM
F5PAC	YO3CD	NJ3K	DK8YY	W2OIB
G4FTC	143	OE6VIE	EI9FBB	WB7QXU
JA1HQG	DL1DUO	SV3FUO	EU4A	135
JA4DHN	DL6EN	W3BW	F6DDR	5B4MF
JH1GNU	DL6EN	W4JVN	IK8EPC	DJ9ZB
K1CA	HB9HFN	W4VIC	JA3OOK	F6FXU
K5KV	HS0ZEE	W4WT	JF3LOP	HB9IQB
K5SM	I0JBL	W8HW	JH7RXU	IK8GYS
K5VWW	K7CMZ	ZS1C	JK1AJX	IV3DXW
K6NR	K7CW	140	K1RO	IZ0RVI
K7WP	K8ROX	9A1CAL	K2RET	JA7LMZ
N7BT	KJ9C	DF2RG	KJ6P	JA8BNP
RU0SN	LZ2ZG	JA9RRH	KK1W	JA8JL
W1IZL	N2RJ	K5WK	NA5C	JH4HMG
W1ZT	N2WM	K6KLY	OZ8X	K1ZE
145	N5UW	KF8DX	RW4CY	K7FL
AF4HX	N6PAT	N4XP	V51B	NZ9R
JJ3HGJ	R8TX	N6PSE	W1GD	R7LP
JN1BMX	W0IZ	N7WS	W2YE	RN3RQ
K1OA	W6QUV	OH6NIO	W4YV	SM3LGO
K3VAT	W8RLS	OK2ZV	W7OM	SM5CZK
K4OY	WB8ZRV	ON7DR	137	SP3XR
K8BL	WD9DZV	UN1L	EA1YO	W1DIG
KF6HI	142	VE6SV	GM3YOR	W2GD
LA6OP	I5HOR	W0SEI	IZ2FOS	W4BUW
N1CGP	IT9BLB	W4NU	JA3APU	W4MBD
N4GG	JE1FQV	W7IV	JE6TSP	W4RFZ
RT0F	JR7WFC	W8LWU	JH4JNG	W6JTI
SM3DTR	K3PP	WO2T	JR1XIS	W8GNM
144	K4WZ	YL2MU	K2QMF	WE4S
CU3EQ	KQ4AV	YO9FNP	K8NS	134
DL5CW	LA9VFA	139	N2PK	CT3HF
DL5KUA	MM0SAJ	CU2AP	ON6AA	IK4DCS
E70T	N5XZ	DF7EE	RA3CO	K1TO
EI6IZ	N7QT	DJ4XA	RG7G	K3OX
GM3ITN	NA4D	DL5EBE	UU1JA	K7XB
HB9BYQ	NQ7R	DL8OH	W1ITU	KA8SYV
HI3T	NY2NY	JA1TMG	W2CG	KX4TT
I5MXX	OK1DO	JH0BQX	W5ODD	N9RS
IT9GSF	W2OO	K3ANS	WB5JID	OE1TKW
IZ4GWE	W5ADD	K6AM	136	PY5HOT
JA3GN	W5LUA	K8GI	DS1JFY	RG6G
JR3OEH	W5VQ	K8RF	E72U	RX4HW
K0VSH	WA5POK	KD0PO	ER0FEO	UA0ACG
K5TR	WB8CQV	KU0A	IK8CNT	W1EQ
N1IX	141	LA8WG	JA4OK	W4JKC
N3KK	AC9S	OK1MP	K0TV	YU1AM
SM4OLL	DL5MHQ	OK2QA	K6EME	133
SM5CLE	EW1BA	SM5CBM	KR6C	9K2NO
	JA1PTJ	SV8ZC	N2ZN	

EU1U	J11DCW	PY5EG	126	OE1AZS
IZ8DFO	JJ1TEA	W7QHE	DJ8WD	OH1ZK
JA7GLB	JM1FHL	W8MET	F8BPN	RA0BA
JA7LGE	K1UU		G4IUF	UN7JID
JA9AGN	K5VIP	128	HB9FMT	UU7JM
JH1HHC	KH2L	AA4SC	IZ7EVZ	VE3UTT
K1ZN	N4QWZ	DM2RM	JA1XCZ	W5DAW
K2CDJ	N5PHT	IT9ZZO	JA7KY	W9CG
KS4YT	N6RK	IU0HDC	JJ1DWT	YO2RR
KU2A	NA5DX	JA2AHH	JN1RQV	
N9MR	NN4R	JA2KSP	K2ZD	124
OE1KM	ON4ON	JA9AA	K4JKB	AA7XT
RA5BM	R0SR	JE1LFX	K4XU	IK3VBB
RV4LC	R9MJ	K0FF	KC2LSD	J11DHY
UQ2PZ	R9SA	K3XA	LB7ZG	K4ZO
VE3WT	W8DCH	K4JAF	N8NA	KD4POJ
W0NFL		K4SE	OK3CQD	NA2U
W2QO	130	K6LPO	OZ1IKY	PA0TCA
	DF9ZW	KG7CW	PA5TT	PA3EWP
132	E73M	LB5WB	SQ5EBM	UA0BA
AA4NC	EI2JD	N5KM	VE3CX	VE1DUN
AB9M	G7VJR	R9SG	VE7BV	W2JU
AD6W	HK0HEU	S53X	W8MK	W2RIJ
IT9RDG	JA2FBC	S55DX	W8REW	W3FM
JA2KVD	JG1DUZ	SM3GQP	W9ILY	W6CYX
JA6CBG	K2MYR	SV3DCX	WB0O	W8LMG
JR2LJO	K6SIK	VQ9LA	WB2REM	
JR6FC	K7LFY	W2WC	WD4LBR	123
K6YUI	K8BCK	W4IS	XE1KK	AB1OC
K7TM	K9GL	W6RKC	YU1EXY	AC4TO
K9ZM	N3MK	ZS1A		DL7JRD
N6HY	NA4EA	ZS6UT	125	DL9FCY
ON4CAS	NO9E		9A1AD	F4GTB
OZ2RH	OZ2ABI	127	GW3TMP	G4WFQ
SM4BZH	R3VA	HB9CQK	HB9RYZ	G5LP
SM6BGG	R5QA	HK1MW	HK4SAN	HB0WR
SP6M	R9AB	JA1DDH	IK5DNF	IK2CHZ
SV5DKL	RU1AO	JA1WLO	JA4IYL	IK3XJP
VE3CRG	TA1CM	JA8RJE	JA6VU	JA0CRG
W4AXL	UN7JX	JS2LHI	JE1TSD	JA1SJV
W4RBO	VE3DO	K0RW	JE6UWU	JA3MHA
W4WM	W2MPK	K3TRM	JF2WXS	JA6WJL
W5AJ	W9ZT	KM4H	JH3CUL	JH3AIU
W5SL		KM4NS	JH4ADK	JR1EBE
W6DR	129	N1AC	JL1RUC	K2PK
W7AH	HB9AZZ	N1GC	K1HAP	K3XO
W7CD	JA1NWD	OE8HIK	K5KG	K4ZIN
W9FR	JA8JO	S51NM	K8DV	K5GH
WB3D	J14POR	SK7AX	KA6BIM	K7UT
XE2S	K3NK	SM0BYD	KI4WCQ	K9CS
	K4TT	SP6A	LZ1XL	KV4T
131	K6XM	SP7ASZ	N2KA	N2ED
DK7YY	KM3V	W0CP	N3EN	N4DWK
G3UHU	N0YY	W0RT	N4JT	N6MZ
HS1NGR	N3KS	W0YVA	N9RD	N9JV
IV3KFB	N3RR	W3BG	ND5S	N9LQ
JA2TBS	OH1JP	W3MF	NW6S	NA2P

S50B	AC9EM	N8PW	JA0AOO	WP3R
UA3DK	AL7TC	N9UA	JA1HQT	WQ5L
UT3QU	DL2VWR	NT2A	JA4FM	
W1AO	FG5FR	NY7T	JA7GYP	115
W8NJR	HB9BLQ	OH5NG	JA7IC	AA5JF
WB8K	HB9DHG	OK1DT	JM3GXU	C6AGU
WV4TN	IZ0LKV	R6FFB	JR2UBS	CU2CE
XE1H	IZ5NFD	SV1ACK	K1BZ	DL9GOA
	JH4GJR	SV1IW	K2BB	G4XEE
122	JR6LLN	W0QQ	K6PJ	G8BCG
G3NDC	K2BA	W0RX	K7PI	G8DX
HA1RB	K2HK	W4HZ	K8OOK	HA5UK
JA1MRM	K3QIA	W8FIB	K8QM	IZ7JVR
K1ESE	K5JC	XE1RCS	N2BJ	JH1RFM
K1YT	K6FW		N3ND	K0GD
K2MP	KA8ZPE	118	N4IR	K0SD
K7ZA	N0OK	5T5PA	N6MB	K4CMS
KR0P	N4BAF	AB2E	N8AA	K4GHS
LA7WCA	N4TB	AE3T	N8XI	K4GK
LA8PT	N4TL	AG1A	NY4G	K5XM
N9AW	N4UFP	DL5OCE	SM7BIC	K8YTO
NA9RB	OE3EVA	JA4FHE	SP8HKT	KO8SCA
NN7X	OZ2A	J18DGO	UA6J	KV1J
OE3SGU	PZ5RA	K3WGR	UB3A	LY4T
OZ3Y	RL3BZ	K4CNW	UR9IDX	N0IRM
RD4A	SP7ITB	K8LN	US1CT	N4OA
UU4JMG	UR5IKN	K8WVA	W4ZRZ	N8KOL
VE6AX	US0YA	K9DR	W5JMW	PA3AXU
WA3I	W2YR	K9SG	W6SL	RZ6MJ
	W3OA	KD2T	W8ZR	UA1ANA
121	W4PRO	KD6UO	WA2USA	UA1CGS
AA6RR	W6RFL	KG8CW		UA6XT
CT3KN	W7RN	KV4AA	116	UN6T
DF1DB	ZL4AS	LZ2HM	AJ4F	VE3YF
DK1EI		N2MM	DL7URH	W1OPD
DK6CQ	119	N3NR	EA5BRE	W9XX
IK2SGB	AA3AZ	N4DJ	EI2GLB	WA7BNG
KD8RQE	AJ4A	PY2PA	HA7PF	YL2CZ
KG9Z	CT1FCX	RN3TT	IK0EIE	
N1JP	DK3GG	SP6JIU	IK2OHG	114
N6HC	EW4M	SV9COL	IT9TQH	AA4DD
SV1AHX	G4DJJ	TA2RC	IV3HYD	BA4DW
UQ1GWW	HB9AAQ	VK4CAG	JA1WTI	BA7IO
UT4EO	HB9BCI	W1KSZ	K1DC	CT3FN
UU2JQ	I2TZK	W4DAO	K1RI	CU3AK
VA3AYA	I4MKN	W4NF	K3FRK	DL6NB
W2GG	IU0LFQ	W4NJ	KT1V	F6CWA
W2TB	JA3AZD	WT4Q	PA0JSE	G3SDL
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W6XI	JE2JMV		TZ4AM	HP3TA
W9YE	JH6CDI	117	UA4PCM	I5OYY
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WY1G	K5UZ	AE0P	W1ENE	IW0HEX
XE1VIC	K7EG	BH4IGO	W1WEF	JA2KNW
	K8KWT	DL1DWT	W7GG	JA4KDT
120	N0KV	IT9AAI	W7OEV	JA5WIZ
9A5F	N4LR	IT9DAA	W8LRO	JH1AGU

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K1RV	W6BK	W5VX		JA2CXF
K2DC	W8FAX	W6TC	110	JA4BXL
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K5RJ	WA4DOU	W9SE	DL1VDL	K4RDU
KB8U	WB2HJV	WA8MCD	EA5BYP	K5KA
KZ4V	WB2UFF	WA8OLN	F5BAR	K6MW
N1QY	WS4C	WT9U	G3LNS	KC2STA
N2JJ	WX3P	ZP6CW	G8AJM	KE1F
N3MN	XE1RBV		HC1BI	N8NN
N4IQ	ZL1BYZ	111	I2BBJ	N9ISN
NU8Z		AA4U	IK5RUN	ND4V
UA3FT	112	AB4GE	IK8UHA	NN4RR
W0VX	A92IO	AF4OX	JA1OVD	NU4I
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WA1FCN	DK5RL	DK6ED	JH1VHU	PY5CC
WA9YYY	DL5CL	DL1HRN	K1EO	RW4UU
XE3ARV	EA1JO	EV1R	K3JRR	RW9QA
	EI8IU	F6ECI	K3PH	RX3AGD
113	EW1DO	G3PLP	K4WW	TG9NX
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BA4RF	HB9CRV	HL3GOB	K6MI	UT7KF
DJ5DT	HB9EFK	JA1AUD	K6VKO	VU2CPL
DJ9RR	HB9G	JA1FGB	KB4MRX	W0VHF
DL8CM	IU8FRE	JA1NCZ	LZ1PM	W5WP
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G4AFJ	JA7BXS	JE8TGI	N3IQ	WC2K
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JA4ITW	JR7TEQ	K7ORK	N5BO	YV3AGT
JH1ORA	K0JPL	K9AJ	NC6K	
JH3GCN	K0TPP	KM1R	NY4I	108
K5CD	K1KO	KZ0X	OZ1LCG	A12Q
K8SL	K3NF	LA0CX	RD9M	AL7R
K9FN	K4UAS	N4WJ	SM5BHW	DL6CNG
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KI0G	KM1C	UR6QA	W0UY	HB9CEX
KT1J	KM3T	UT1UY	W3XY	HB9FAN
N7KO	LA8HGA	VE6KC	W4DC	IK0PRG
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NG0G	N6MA	VE7UF	W5VY	JA2MOG
NI5F	N6PE	W3FOX	W5ZPA	JA3NHL
NK5B	RU4SU	W4HOG	WB4TDH	JE2UFF
R7NA	SM3DMP	W4OX	WL7E	JJ2PIK
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RZ3AUL	UA1CEI	W7VS	ZL3NW	JR7FRW
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SP3EPG	VE7XF	W8MIL	109	K1XM
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SV2AVP	W2SKI	WA2MUA	EU4T	K4WY
UN7TW	W3MR	WB9EEE	F8EZE	K6UT
VE3KI	W3UL	YL3DQ	G3SVD	K8OM

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N9TF	OK3CQR	OE5CSP	N4VN	K6UM
NU4Y	R0FA	OK1AYU	N6NU	K7TJR
PA0ZH	RN4AA	OK2BVG	ON7PQ	K9EA
R5FY	RV6ARZ	S57AL	OZ4AAL	KA2BZS
R7LA	SP3BQD	UR3CRO	PF7M	KH6KG/W5
RX6DX	SP6AXW	UT7UU	PJ2/K8ND	KI0KB
S57J	US5CB	UU5WW	PY2DS	KK9H
SM6AOU	VE3OI	V73AZ	R6YY	KW0A
UX7UN	VK3NX	VQ9SS	RA6AF	LZ2XF
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W3NRJ	W6TDX	W2LE	UA6LCN	N3TR
W4ZYT	W8VK	W2NO	UR1RWX	N4TTE
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WA4CEM	XE2YWH	W8OP	W1LY	NK7C
WA8MOA	YL1XZ	WA4MYO	W4OWY	NN3Q
WC1M	ZL3RJ	WA6TLA	W5KI	OH2OT
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WW1WW	106	YL2GN	WQ5W	RU3UR
	AA4FL	YU3EF	YU1NR	RZ6DX
107	AE2U			RZ6LB
4Z5LA	DJ6OZ	105	104	SM5CCE
DJ8ES	DL1QQ	DF2PI	9M2AX	SM7CQY
DK3FB	DL2NOM	DF8AA	AD1C	SO5AS
DL2CHN	DL3JSW	DJ3XD	AH0U	UA9FGJ
DL5XU	EA3CCN	DJ6KH	CP8HD	US5CAO
DO4DXA	HA8DZ	DL4ZAB	CX3CE	UT4EK
EA5AT	IW3GJF	DL6JZ	DK3BK	UT7EC
EA7QW	JA1VLK	DL6XK	DL4FAP	UX4UM
FG8OJ	JA2MNB	DO1CTL	DL7UPN	UY0MM
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HI8R	JG5RVQ	HA8FW	F6AJA	W1QA
I5IHE	JH2KKW	IZ2EWR	F8GB	W3DRY
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K3SW	K2CJ	JA8RRF	JA1SDV	W6PH
K3YBN	K4DSE	JA9APM	JA2FGL	W7DR
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K5KPE	K5AM	K1DJ	JF6WTY	WA9ETW
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KE2R	K8JJC	K4MS	JO1WXO	YO5ODE
KZ1W	KP4AA	K5AV	K0MD	
N2RR	KQ3F	K7OX	K0WK	103
N3DAP	N0JZ	K7PO	K1BG	AG1I
N4RF	N2CW	K9RO	K2BLA	AI3Q

DJ1MM	VA3IC	N5RZ	JA1VVX	SP7JLH
DJ7PI	VE3EDY	NZ3M	JA2VMU	SV1PL
DL2HX	VE3MFA	OH2EA	JA6TMU	UA0FDX
DL8YRM	VE3VV	OK1DTN	JA7SFD	UG6GAW
DM5TI	W0UVC	OK1JDX	JF1RPZ	UR7CQ
DS3HWS	W1CTN	OK3CSQ	JH3HGH	UT1CC
EA7SG	W4AVY	ON5UE	JH3PRR	UT4IS
EU6MM	W4MZ	PA7TWO	JI3KDH	UT7HA
EW3LB	W5THT	PV8ABC	JO4CFV	VE2OJ
G3BDQ	W5VU	PY2DO	K0LW	VE3XB
G4AAW	W6SZN	R2AB	K1YR	VK2GR
G4PUQ	WB8BZK	R3IS	K2BX	W0QC
G4VGO	YO7APA	RU3UN	K3SEW	W1AW
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IK2ANI	102	SP5MXZ	K6XJ	W1GF
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JA8EJO	DL3DXX	UA6HOF	K8ZR	W4PM
JH1DGQ	DL3NCR	UA9MR	K9JU	W7AV
JM2RUV	DL4CW	UA9UCO	K9PG	W7CB
K2UVV	DL4KUG	UW7CN	KC4PX	W8GB
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KM9E	JA0HXV	WA0IDK	N2AJ	YO2OXD
KX2A	JA4EVN	WD8DSB	N5AQ	YO6BHN
LA9GX	JA6OXT	WS4Y	N6WM	YV4DYJ
LX1DA	JA7EPO	YO2IS	N8AG	
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N1HOQ	JR1BAS	101	N9PGG	9M6YBG
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N9SF	K0YN	AA3LX	NX2X	AA4AK
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RA0FA	K5ZO	DL3ANK	ON4LG	DL9GTB
RA4HT	K6DJ	DL5JS	OZ5HP	DU7ET
RK3QY	K7BHM	DM3ML	PA4WM	EA2AAZ
RU3OW	K7UA	EA1WX	RA3AH	EA3ALD
SM3CBR	K8BHZ	EU1TT	RA4P	EA8AXT
SM6EHY	KB9DAK	G3ZFC	RA4SD	EC5A
SM7BHH	KJ6NZ	G4FJK	RB7GG	EI9E
UA3PFN	KN4KL	GM3WTA	RK9F	ES5NC
US2WU	KW4BY	HB9NL	RY6M	FM5GU
UT2AB	KY6R	IV3GOW	SM2DMU	G0VXE
VA2ZO	LA3ANA	IV3KCB	SM7NDX	G3OIL

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GM3ZSP	NA9Q	WB4SON
I2VGW	NB3R	WU2M
IK0HFO	NG7A	YB1TJ
IK4MSV	NJ3I	YL2SM
IS0/YO3RA	NN4SS	YO9FLD
IW0BYL	NU1T	ZP9MCE
JA1BRK	OE5JDL	ZS2DL
JA1CPU	OH4UI	
JA4FSH	OK1DXD	
JA5DQH	OK2PAZ	
JA9CGW	ON4ANN	
K0FLY	ON7EH	
K0XM	ON7GB	
K1NA	ON9CC	
K1NZ	OZ1ZD	
K2CBI	PA0INA	
K2CYE	PA7RA	
K3TZV	R3PJN	
K4FT	R9JX	
K4KSY	RA3SD	
K4UQC	RA4LW	
K7VIC	RA6XB	
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K8CR	RN1A	
K8CS	RT5A	
K8LE	RU3GF	
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KB0EL	S59DJK	
KC0V	S59SV	
KC4D	SV1VJ	
KC5LT	SV2DSJ	
KD8BZY	UA3AKI	
KD9HL	UA4PAY	
KP4N	UA6CEY	
KQ5M	UN6P	
KS4XQ	UR4CW	
LA6UL	UR4LRG	
LA8W	UR8IDX	
LU5OM	US8UW	
LU5YF	VE1RGB	
LZ3YY	VE3OAT	
MM0SJH	VE7JKZ	
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N1KI	VR2PX	
N1MD	W0GYH	
N2DPF	W0MU	
N2SG	W1AN	
N2XQM	W1YRC	
N3AF	W2CCC	
N4CRI	W3BBO	
N4ZR	W4HHN	
N7DED	W4OV	
N7TK	W5BK	
N8IL	W7DT	
N8NB	W8CNL	
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