

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 21 Dec 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	324 K2TQC OH2BO W1NG	314 IK4GME K5RK N1DG NX4D OK3GU OZ1LO PE5T RW2A UA4CR	K4SV K8GG	301 DL9KR LZ2JE N1RJ N3XX S54E
341 EA8AK	323 EY8MM S50A SP5EWY	313 GM3POI OE3GCU OZ7YY	307 DJ7MI OH5VT RZ3AM UT3UA VE3EJ	300 F6BKI G0JHC G3KMA I2ZFD PA3FQA RC3FL SM3EVR SP3EPK SV8JE VA3EF
340 K1ZM	322 K4PI UX0UN W3UR	312 OH1MA	306 K4CIA N4RJ SM0AJU WT3Q	299 JA4DND K4TEA N1BUG SV1FJA UX1UA W7UT
339 W4DR W4ZV	321 WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A SP2FAX	305 EA6SX JA7NI K4ZW N4IS UA6A	298 9A2AJ IK2DFZ OZ3PZ SM5CEU
334 N4WW OH2BU	320 SM4HCM W8UVZ	310 I4AVG KJ9I SM5BFJ SM6CVX	304 CT1EEB DJ0MDR NN4T	297 DK5PR N4CC OE6IMD OM2XW RA3DX W0FLS
333 R7LV	319 K8MFO N0XA SM4CAN	309 UT5UGR W5IZ	303 F5LGE JA1BK JA4LKB K1UO SM3GSK YU1FW	
332 UR0MC	318 W9ZR		302 DL4MCF GM0GAV GM3YTS	
330 AA1K HA0DU K5UR LZ2DF OH1XX UT7QF	317 W3LPL	308 I4EWH IK4MGP IV3PRK		
329 K3UL UA4HBW	316 W2VO			
328 R4GM UA4CC	315 4X4DK IK4WMA OH3SR S50U W1JR			
325 K9UWA UA2FF				

296 DF2UU F5NTV G4PWA OE1WEU ON5NT W1JZ	N8DX RX4HZ US4EX	W2YC	UW2ZM VE2TZT YO3APJ	RZ3DX
295 JA2JPA K3UA	288 PA3GCV RA3CQ RY9C SL0ZG SP7VC UA4LY W0JX WK3N	281 DF2PY JA2PJC JA5EXW K1CP K9CT S59Z W4TO	274 G3TXF K1ZZ SP6AEG W6UB	266 K8PT LA3MHA NR1R R3LA W8TE W8XD
294 JH2FXK LA5HE RJ3AA SV8CS WD5COV	287 DL1RWN G3XTT N2QT VA3DX W4PK	280 EA6NB HB9BIN NJ6P SM4DHF SP6HEQ	273 F5NBU IK8HJC JA8ISU K2CL K5BG KF2O MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA1V AA4V AA7A G4OBK RW0LT SV8BHN YO5BRZ
293 DL1AMQ S58T	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UT7UW W8AV	279 IK4DRY JR7VHZ N2TK SM6CNN UA6MF	272 9A2EU CT1EKY DL1DUL DL2OE	264 AA6YQ K7ZV SP9JZU W1GL
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SV1AOZ W3YX W8TOP	285 CT1APE	278 DK0EE F6BEE JA3FYC K5DU KG4W N5DG UR5WA	271 EU7A G4GED HB9AMO OZ1CTK SP6CIK	263 IZ1ANU K9OW W2SM W3AP
291 9A7V DF3GY JA4LXY KD9SV N0TB R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ	284 K5XI UA3AB	277 AA4MM DJ9VA F6AOJ IK5BAF ON7TK	270 OE5KE SM5KNV	262 G0DQS K4XP KR9U W1YY
290 IZ0AEG SP3IBS UA3AKO W5ZN	283 G4CCZ HB9BGV NA0Y NO3M R3OK	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ SP9DWT	269 IK6DLK JA5AUC K6ND KD5M RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S SP5DIR
289 I5NPH JA3ONB K0KX K4WM	282 DL1YD I0WDX JH4IFF K4SO K8KS N2LT N7NR SM6CTQ SP3DV US5WE UY5ZZ W0BV	275 9A1CCY IK4CIE K2UO K4IQJ OH3BU SP5CJQ	268 DL5DSM G3WPH RA3XDX RK4FD W1MK	260 EI7BA K1LT K4DY KX4R
			267 LU8DPM	259 DF4PL EA5BM F6GCP

I1FQH IK2YCW N3NT R9FM	PA4VHF S52F W3UM	DL4CF JA1GV N9US RL9F RY7G W9XY	239 F6BLP JA5MHD JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK	KF0QR PY1BVY
258 KW9A RN3CT VE3QAA	251 DJ7RD DL9RT I1EIS JA2VPO JH0BBE N4II VK4MA W5UN W7LR	244 AG9S DK6WL IK0XBX JA1HGY JA7QVI K9RX ON4IQ	238 DL8WN IK0XEZ JA0DAI VO1HP	233 AB4I EA6VQ JA0FSB K0CS K1AR KA7T SK3PY UA4HAU VA2WA W7AO
257 IK5HHA K1GUN W9YSX	250 HB9RG NQ1K OZ8BZ PY2RO	243 AB3CV DK2JX DK3DG JF8QNF NN4X ON4ATW S57A W9RPM WX4G	237 DL7MAE IK0MHR K1DG NI0G OM4EX RA0FF UR5EDX	232 JA8EAT K2AZ K2UU K4XL NI6T S51DI UA3AP
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL N5KD N8TR PA7MM W1TSP	249 AI9L JQ3DUE JR3IIR K9NW SP5DRH	242 KG7H R5AJ	236 EA6ET G8VR K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK YO9HP	231 4X4NJ HA9RE IK0YUT JH1HGC K5EK N7NG ON4ACG W9IXX
255 G3ZSS K4QL KY7M N2MF UX0FF W3DF W5OZI	248 K3WW K5RX N2NL R5DT SM3VAC SV8GFW T77C UT9FJ W9NGA	241 EA4KD JA1SYY JA3EMU K2FF K5ZK N4XM N5TY N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	235 CX6VM JH4ADV K3SWZ KA9CFD N6DX OK1CF R7DX VE3XN W3LL WA7NS	230 DJ5FI FK8CP JA1CMD N8JV SM3NXS W4GF W4VQ
254 N0AT OM3DX WA4FFW	247 IV3ODE K6XT NO2R R7IA WB3AVN	240 JA0CRI K0JUH K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA		229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T
253 5B4AGN K5ESW RU3FM S58Q UA1OMS W0YG W3KX	246 DJ2TI F2JD K0IEA N6TR TF4M W2TQC W5XZ			228 AF9H AI0O EA1N K4HB OH2BEN
252 EA1DR IV3YYK JF2MBF JG3QZN LA5IIA ON4AOI	245 AA1QD			

SV8CKM	223	IK1YDB	NA2M	208
VE3DZ	AB0X	JA2FBY	RU4SO	G3NSM
227	HA7TM	JA8CDT	W0LYI	JA7MSQ
DL7HU	JH2TPI	JF3KON	W1FJ	JF4VZT
E72A	RT6T	K0EU	W2WG	K2FU
ES1RA	SV2JAO	K5UO	W3YY	N5ORT
IK0HBN	ZS4TX	UT4MF		RU3ZX
IK6FWJ	222	W5PJR	212	UN5J
JA1UQP	DF6PB	WA7NB	AA9A	UY1HY
K1FK	IV3JVJ	217	DL9GFB	W6PJ
K3NW	K3SV	JG1ULJ	K4MQG	W9EWZ
KD0Q	K6EID	K5PC	K8ZH	207
N2WK	N5AW	ON6YH	KE9I	I4LCK
NV9L	N8PR	UA3AGW	KG6I	K1LPS
W1TC	N9BX	216	LA7JO	K3JT
WB6RSE	N9BX	JA2NDQ	N1ZZ	K8EUR
	SM0CCM	JA6LCJ	N4MM	PY2BW
	W9BF	JH1IFS	SM5CZQ	W0LS
226	221	K5EJ	WB9CIF	
JA6BZI	DJ8NK	N5UL	WS9V	206
JF2KOZ	K4MWB	OE1ZL		DM5EE
JR6EZE	K8FH	RZ0AF	211	IK0IOL
K9FD*	K8SIX	W0GJ	F6DAY	JA3PIS
N6AR	MM0EAX	W6XA	IK4DRR	K2VV
N6JV	N6VR	YO7LCB	JA2IVK	K5AQ
UT5JAJ	SP7GAQ	YU3AA	JA4DEN	K5RT
VE6WZ	W1ZK	YV1DIG	K3WA	KG9N
225	W6JRY	215	N4PQX	N8DJX
A45XR	WS6X	JA9PPC	NX0I	N9AU
IW1ARB	220	N7JW	RU3SD	SM6BZV
JH7PFD	AG8B	RA1QD	UR5FEO	US0KW
K1MM	HB9LCW	W0UO	W1ECT	VE3BW
K5AB	HL5IVL	W2LK	WA5VGI	
K9FD/KH6*	JR4OZR	214	210	205
N4CH	K8ZTT	AD5A	I8SAT	I4KDJ
RA3QK	KA1R	DL7BA	JH0INP	JA3AAW
RV1CC	N1LN	HL3IUA	JJ2LPV	JA9FPI
RW3XZ	N5JR	JA2JW	LA4GHA	K1DT
SP3CGK	VE3EXY	JA2WYN	UW7LL	PY2XB
SP8NR	219	JJ3PRT	W7JW	W8UN
US0SY	IK3VUU	K3JGJ	209	WB8ZRL
VA5DX	JA2FJP	K4NA	DL5CF	204
W7KW	LB8DC	OK1DX	DL9MRF	DJ5AV
224	N0AV	RN7G	EU1KY	IK7NXM
DL5WW	OE8RT	W4NL	HB9CXZ	K4JJW
I3BUI	RA3WDK	W6YI	HB9DDZ	KK4SI
IZ1LBG	SP4K	213	JA0UUA	LX2A
JA9CHI	UT7UV	DF2IS	LA7GIA	N4NX
N8BM	WA2UUK	EI3IO	N9LB	N7FU
ON4GG	218	HA1RW	VE1DX	UA0SR
SP5INQ	DJ4PI	JF6DSZ	VE3LYC	US6EX
VK6VZ	DK0PM	K1ST	W0ZR	W2HUV
W0VTT	DK2NG		W7KNT	WD8PKF
W2RQ				WF4U
				WI8A

203 IZ8VYU JA2XYO JE1PNX K4XO K8AC K9MMS KK2I PA0A R6AF W8GC	W3GG	K7SO K9RT KF8UN N1SV W5ZG W9OP	RK2FWA RX3APM WA2VYA	IZ8FWN JA8DNV K0BJ K3PA K6SRZ K7LAY N8LJ NE1B WA3C
202 DL1MGB DL2KQ DL9DRA EA1RT JA3CSZ JA5AQC JH3VNC K2NV LY1G N7KA OK1DOT R9TO RA3S UA9FAR W7DO WA2HZO ZL3IX	199 JA2DPC JA2JNA K1GG K6GXO N4DW OZ1AXG W1TO	194 K4KDX K9JF KB9LIE KC9ARR W1NT W2LO W9OO WD8JJA	190 IZ8XQC JA1DUH JA1MCU K2TE K9KU KF7PG KM1D LA7AFA N4XU N5GH SP2LNW VE7VV XE2X	185 AB6QM EA6BF G3KWK IK3SWB K5ZD N4TJ N5UR OE2BZL SV1DPI UA9CBO
201 AA5AM CU2DX DL1EJA F4BKV JA9NFO JI2KXK JO7WXN K3HP K5MC N4QS N5ZM W5TCX	198 DL1ROJ G3UJE G4BUE IT9JNR W2IRT W8HB	193 DL5ZB DL6ZXG EA3WD HA5BSW K4ODL K9YY KV7K N9EN NK1K PA0LOU RN1ON UA0CA W4FC W9MU	189 9A2F CT1IUA EA8PP FM5CD JA1XEC JA3RAR JH1QAX K0JGH SM7GIB SP7HOV UA7T WE9R	184 AA1ON JA2ZL JF1NZW JF1PUW JH1RFR K4HGX K5KLA KB4ET KL0S OH2IS S57AC US8UA
200 JA1GTF JH2RMU K1GE K3LR K9US LA7HJA RW4NN RW7M UY0ZG W0DD W0MHK	196 4Z4DX AA4HP AG4W DK2LO F6EXV IK4PLW JA4PXC K8PO KA9FOX KP2A ND0N RA9CMO RZ4FO SM2OAN W0FS W2FCR	192 9A2NA DK1FW IK0FVC JA0EOK JA7JWF K3FN K4FJ K5XX K7GM K9EU N4DB N5LZ W3UA W4UM W8LGJ WN6W	188 AB4IQ JA1KQX KB0EO KB1EFS W6SR W8JV WA6YEE	183 CT1FMX CT3MD IT9INO K8VC KE9ET LA3WAA NN2L ON6SAS W2FP W8NW
	195 EA3JL EA5RM G3ZEM JA1EOD JN7FAH	191 G0OIL JA1ANR K8FC K9LA KB8VAO	187 AJ1H DF2GH JA0VSH K0SR KN5O N2NS OK1CZ RM0F SM0NJO W7AWA	182 DJ9ON DK3UA JA1SHE K0BBC UR3EO W1YM
			186 9A8A IK2QPR	

181 DK3WW N3OC VE3OSZ YO2DFA	SM6DHU W2OR W5LT W7FI	I1JQJ IK4ADE JA3ENN JA9TWN K1NTR K4XR K5GKC KA1J N5FG PY5EW W8HC	W9EVI WA3AFS WC4X	DJ4SO IV3TDM JA1FNA JA9LJS K3KY K4JLD K4PB K4ZYU K9MBQ OH2BLD RM3DA W1RR W8ILC WA8TXT
180 DM2DXA DM3VL I2AOX K2EP K6SSS K7BG LA9AJA N1RR N4AH ON5FP UT2UB W1RM W3YQ W8TN	176 EU1AB HK3W I6FLD JA0DET JA5IU JA6BJV JA8KSF JL1SAM K8MN N5OK RL3FA W4BP W4GD YO7NE	172 G0BLB G3NKC IZ5MOQ JA3FGJ JA9NLE JG3IWL K0DEQ K1BD K6FG KJ0M W4FQT	169 IK0PEA JA1ADT JR1IZM K1LI N4XX N7US PE1L RA3DNC UT8MM UY5AA WB3JFS	165 DL7UCX I2ZGC JA6VQA JE7RJS JN4MMO K5JZ KI5BLU KK4CB SM4CTT SP6EQZ W0DJC W5BN WC5N
179 IT9ELD IW0SAF JA2BDR K4CN K8WK OK1MG S57UN SM4DDE SV3FUP W2YJ W7BEM YL2TW	175 JA1CHN JS3CTQ K4DLI LA0FA N7IR N7XR SM5FUG SP1MGM VE3FF W7MEM WX0V	171 AA9D DL6KR G0EHO HA9PP JA1PPW JA6HUG JR1TNE K1NU K9YC LA5LJA N0RN N4OGW N7RO N9RC SV1LK WB7B ZS1LS	168 4Z5MU G3MXJ IK2EGL JE7JDL JF2UPM K5QY K8RYU KR4F N4QQ N8BJQ PA7F SP5GH TF3SG W4SVO W6VX W8OI WA5YNB	164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA N9FN NY0V RA3ZH SV2AEL W4NS W6RW W7YAQ
178 EA3CJ JA2LCP JA4MRL JE2URF K2UR K8RRT NE0U SM7DLK SV1JG W6NWS	174 4Z5CX JA0GJJ JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K0TT K2KA K3AJ K4TR K4WS OE1WHC OK1DWC RN7F UA3LNM W8UV W8VVG WT8C	170 CT1FPQ DJ6TK JA6JPS JF1WPB JM1GYQ JR7BDQ K6ZZ N4PY SP3GTS SV3KH W8KEN W9AJ	167 DK5AD K4XD K6KO K8NK N0IJ N3BNA PA3C RA1AOB RN9N S51EC SP3FAR UN9L VE6WQ W1YW W3IP WA0MHJ WA4LOX	163 DJ9HX JG0CQK K8TL UR4CWQ VE3CFK W7AL WP4U
177 9H1SP AE5E CT1EAV EA8JF HA5WA JE1BMJ K3WC K9NU	173 5B4ALJ		166 4Z1UF	

162	JE2LPC	JH2QMT	WE1P	WA2BCK
4O3A	JH6QFJ	JO7HAM		
9A4W	JH7CFX	K8YSE	152	149
CT1GFK	K1KA	KS1J	EW2A	AA6AA
F3AT	K4RO	N3UA	HB0CC	DL7CX
JA6GIJ	W3HKK	N4HB	JE3ENP	IK4FNF
K1KI	W6BJH	UA3SAQ	JR9OPJ	IZ3ENH
LB6KC	W7SX	VA3LX	JT1CO	JL1ARF
N8MR	W9RN	W1YIF	K7SP	K3RA
RW3RN	WA9PIE	W4TV	KS3F	K3TN
W0HT	WD5BJT		N9OY	K4YYL
W0TT		155	S55ZZ	K8ME
W1LW	158	AB9V	UA6IGI	NX8Y
W3JX	DJ4PT	DL1RK	UT5AB	SM6CUK
W4DKS	DL1FKA	DL6MRS	VE6LB	SV1CNS
W8WEJ	JH1TWT	K2LS	W1SKU	UW7UA
WW3S	JI1FXS	K4WA	W1VT	W0GG
	JI1NJC	NE0DX	W6RLL	W7HPW
161	JR1GJP	NW7E	W7AJ	WB8B
DK2GZ	K5TT	RC9F	WB3CQM	WD5K
DL6RAI	OZ1HX	SM6VR		WS5W
JA1DOF	RU6M	ZS6EZ	151	WW2DX
JH4CPC	SM4EMO		DK2OY	YO3DDZ
K1USA	W0SZ	154	EI9JF	
K5GO	W1OX	3V8SF	F3SG	148
K7NN	W2XL	DK1WB	JA6BEE	DK2CC
K8ND	W3GQ	GM3PPE	K2FW	EA7TV
LB2TB	W4QN	HB9TKS	N1EN	F5CQ
N4GN		JA8NFV	N5JB	F5LVL
OH6RA	157	JE2DZC	OK1ATP	HB9BUN
VK3HJ	AA4H	K0KVR	RD3A	HB9SLO
YU2TW	AC6DD	K4RG	RU3A	JA2VQF
	EI6FR	N3RC	S54A	JH1QDB
160	G3TQZ	W1NA	SP7AWG	KR2Q
9A2JK	G4GIR	W2XI	SV9AHZ	N2WB
AD5Q	IZ4DPV	W5DNT	W7RH	NE3F
DL1DA	JA1GHH	WB0TEV	WA1Z	W5FKX
EC3A	JA9APS	WS7L	WP4G	W9JJB
HB9DHK	JH7IAJ	YS1RR		
HB9FMN	K9GA		150	147
IW2FND	LY5A	153	DL4SZB	AA7G
JA2EPW	N5MOA	AJ9C	EA1AF	EA3GP
JE2LUN	NE9Z	DL3ZA	IT9DSZ	IV3VBM
JE2OVG	RN3OG	EA5BY	IV3RAV	JA1SVP
JF2XGF	RU4UR	G3TJW	JA2NQG	JA1XQC
JR7MAZ	SM3PHM	HL2CFY	JH1NYM	JH4ALY
K3MSB	SV8ZS	JE3GRQ	K0RS	K2AX
NR4M	W2TA	JF1IRW	K7LV	K7HP
RU6L	W5GZ	K8VFF	K8AJS	K8UT
UA0FZ	YV2IF	N4TV	KU4XO	K9MK
UX5UO		N5TW	N3QE	KM1H
W1BR	156	N8II	N9CO	N1IBM
W5XC	DL4MM	R9OK	N9MB	UN7LZ
WX0B	F6HDH	SM6CLU	OE8SPW	W1OP
	IK0AGU	SP5CCC	UA6YW	W2KKZ
159	IK0FUX	UT5UY	W6DAO	
JA4FKX	IZ8IEV	WB8BPU	W7CT	

146	YO3CD	SV3FUO	DK8YY	135
F5PAC		W3BW	EI9FBB	5B4MF
G4FTC	143	W4JVN	EU4A	DJ9ZB
JA1HQG	DL1DUO	W4VIC	F6DDR	F6FXU
JA4DHN	DL6EN	W4WT	IK8EPC	HB9IQB
JH1GNU	HB9HFN	W8HW	JA3OOK	IV3DXW
K5KV	HS0ZEE	ZS1C	JF3LOP	IZ0RVI
K5SM	I0JBL		JH7RXU	JA7LMZ
K5VWW	K0QC	140	JK1AJX	JA8BNP
K6NR	K7CMZ	9A1CAL	K1RO	JA8JL
K7WP	K7CW	DF2RG	K2RET	JH4HMG
N7BT	K8ROX	JA9RRH	KJ6P	K1ZE
RU0SN	KJ9C	K5WK	KK1W	K7FL
W1IZL	LZ2ZG	K6KLY	NA5C	NZ9R
W1ZT	N2RJ	KF8DX	OZ8X	R7LP
	N2WM	N4XP	RW4CY	RN3RQ
145	N5UW	N7WS	V51B	SM3LGO
AF4HX	N6PAT	N8OC	W1GD	SM5CZK
JJ3HGJ	R8TX	OH6NIO	W2YE	SP3XR
JN1BMX	W0IZ	OK2ZV	W4YV	W1DIG
K1OA	W6QUV	ON7DR	W7OM	W2GD
K3VAT	W8RLS	UN1L		W4BUW
K4OY	WB8ZRV	VE6SV	137	W4MBD
K8BL	WD9DZV	W0SEI	GM3YOR	W4RFZ
KF6HI		W4NU	IZ2FOS	W6JTI
LA6OP	142	W5ADD	JA3APU	W8GNM
N1CGP	I5HOR	W7IV	JE6TSP	WE4S
N4GG	IT9BLB	W8LWU	JR1XIS	
PC3T	JE1FQV	WO2T	K2QMF	134
RT0F	JR7WFC	YL2MU	K8NS	CT3HF
SM3DTR	K3PP	YO9FNP	N2PK	IK4DCS
	K4WZ		ON6AA	K1TO
144	KQ4AV	139	RA3CO	K3OX
CU3EQ	LA9VFA	CU2AP	RG7G	K7XB
DL5CW	MM0SAJ	DF7EE	UU1JA	KA8SYV
DL5KUA	N5XZ	DJ4XA	W1ITU	KX4TT
E70T	N7QT	DL5EBE	W2CG	N9RS
EI6IZ	NA4D	DL8OH	W5ODD	OE1TKW
GM3ITN	NQ7R	JA1TMG	WB5JID	PY5HOT
HB9BYQ	NY2NY	JH0BQX		RG6G
HI3T	OK1DO	K1CA	136	RX4HW
I5MXX	W2OO	K3ANS	DS1JFY	UA0ACG
IT9GSF	W5LUA	K6AM	E72U	W1EQ
IZ4GWE	W5VQ	K8GI	ER0FEO	W4JKC
JA3GN	WA5POK	K8RF	IK8CNT	YU1AM
JR3OEH	WB8CQV	KD0PO	JA4OK	
K0VSH		KU0A	K0TV	133
K5TR	141	LA8WG	KR6C	9K2NO
N1IX	AC9S	OK1MP	N2ZN	EU1U
N3KK	DL5MHQ	OK2QA	N6PSE	IZ8DFO
SM4OLL	EW1BA	SM5CBM	OK1DW	JA7GLB
SM5CLE	JA1PTJ	SV8ZC	SM5OJH	JA7LGE
W2/CT1GIF	JA2ATE	W0SD	SP2BMX	JA9AGN
W4GE	JA5XAE	WA8WV	UT3UZ	JH1HHC
W7ZI	K2RW		UW8SM	K1ZN
WC5M	NJ3K	138	W2OIB	K2CDJ
WD5T	OE6VIE	DK8MCT	WB7QXU	K6EME

KS4YT	NN4R	K0FF	JA7KY	W9CG
KU2A	ON4ON	K3XA	JJ1DWT	YO2RR
N9MR	R0SR	K4JAF	JL1UXH	
OE1KM	R9MJ	K4SE	JN1RQV	124
RA5BM	R9SA	K6LPO	K2ZD	AA7XT
RV4LC	W8DCH	KG7CW	K4JKB	IK3VBB
UQ2PZ		LB5WB	K4XU	JH4JNG
VE3WT	130	N5KM	KC2LSD	J11DHY
W0NFL	DF9ZW	R9SG	LB7ZG	K1UU
W2QO	E73M	S53X	N8NA	K4ZO
	EI2JD	S55DX	OK3CQD	KD4POJ
132	G7VJR	SM3GQP	OZ1IKY	NA2U
AA4NC	HK0HEU	SV3DCX	PA5TT	PA0TCA
AB9M	JA2FBC	VQ9LA	SQ5EBM	PA3EWP
AD6W	JG1DUZ	W2WC	VE3CX	UA0BA
IT9RDG	K2MYR	W4IS	VE7BV	VE1DUN
JA2KVD	K6SIK	W6RKC	W8MK	W2JU
JA6CBG	K7LFY	W8MET	W8REW	W2RIJ
JR2LJO	K8BCK	ZS1A	W9ILY	W3FM
K6YUI	K9GL	ZS6UT	WB0O	W6CYX
K9ZM	N3MK		WB2REM	W8LMG
N6HY	NA4EA	127	WD4LBR	
ON4CAS	NO9E	HB9AZZ	XE1KK	123
OZ2RH	OZ2ABI	HK1MW	YU1EXY	AB1OC
SM4BZH	R3VA	IU0HDC		AC4TO
SM6BGG	R5QA	JA1DDH	125	DL7JRD
SP6M	R9AB	JA1WLO	9A1AD	DL9FCY
SV5DKL	RU1AO	JA8RJE	GW3TMP	F4GTB
VE3CRG	TA1CM	JS2LHI	HK4SAN	G4Wfq
W4AXL	UN7JX	K0RW	IK5DNF	G5LP
W4RBO	VE3DO	K3TRM	JA4IYL	HB0WR
W4WM	W2MPK	K7TM	JA6VU	IK2CHZ
W5AJ	W9ZT	KM4H	JE1TSD	IK3XJP
W5SL		KM4NS	JE6UWU	JA0CRG
W6DR	129	N1AC	JF2WXS	JA3MHA
W7AH	EA1YO	N1GC	JH3CUL	JA6WJL
W7CD	JA1NWD	OE8HIK	JH4ADK	JH3AIU
W9FR	JA8JO	OH1JP	JL1RUC	JR1EBE
WB3D	JI4POR	S51NM	K1HAP	K2PK
XE2S	K3NK	SK7AX	K5KG	K3XO
	K4TT	SM0BYD	K8DV	K4ZIN
131	K6XM	SP6A	KA6BIM	K5GH
DK7YY	KM3V	SP7ASZ	KI4WCQ	K7UT
G3UHU	N0YY	W0CP	LZ1XL	K9CS
HS1NGR	N3KS	W0RT	N2KA	KV4T
IV3KFB	N3RR	W0YVA	N3EN	N2ED
JA2TBS	PY5EG	W3BG	N4JT	N4DWK
J11DCW	W7QHE	W3MF	N9RD	N6MZ
JJ1TEA			ND5S	N9JV
JM1FHL	128	126	NW6S	N9LQ
JR6FC	AA4SC	DJ8WD	OE1AZS	NA2P
K5VIP	DM2RM	F8BPN	OH1ZK	S50B
KH2L	IT9ZZO	G4IUF	RA0BA	UA3DK
N4QWZ	JA2AHH	HB9FMT	UN7JID	UT3QU
N5PHT	JA2KSP	IK8GYS	UU7JM	W1AO
N6RK	JA9AA	IZ7EVZ	VE3UTT	W8NJR
NA5DX	JE1LFX	JA1XCZ	W5DAW	WB8K

XE1H	IZ0LKV	OK1DT	K1BZ	G4XEE
122	IZ5NFD	R6FFB	K2BB	G8BCG
G3NDC	JH4GJR	SV1ACK	K6PJ	G8DX
HA1RB	JR6LLN	SV1IW	K7PI	HA5UK
JA1MRM	K2BA	W0QQ	K8OOK	IZ7JVR
K1ESE	K2HK	W0RX	K8QM	JH1RFM
K1YT	K3QIA	W4HZ	KV4AA	K0GD
K2MP	K5JC	XE1RCS	N2BJ	K0SD
K7ZA	K6FW	118	N3ND	K4CMS
KR0P	KA8ZPE	5T5PA	N4IR	K4GHS
LA7WCA	N0OK	AB2E	N6MB	K4GK
LA8PT	N4BAF	AE3T	N8AA	K5XM
N9AW	N4TB	AG1A	N8XI	K8YTO
NA9RB	N4TL	DL5OCE	NY4G	KO8SCA
NN7X	N4UFP	HB9RYZ	SM7BIC	KV1J
OE3SGU	OE3EVA	JA4FHE	SP8HKT	LY4T
OZ3Y	OZ2A	J18DGO	UA6J	N0IRM
RD4A	PZ5RA	JR3UIC	UB3A	N4OA
UU4JMG	RL3BZ	K3WGR	UR9IDX	N8KOL
VE6AX	SP7ITB	K4CNW	US1CT	PA3AXU
WA3I	UR5IKN	K8LN	W4ZRZ	RZ6MJ
121	US0YA	K8WVA	W5JMW	UA1ANA
AA6RR	W2YR	K9DR	W6SL	UA1CGS
CT3KN	W3OA	K9SG	W8ZR	UA6XT
DF1DB	W4PRO	KD2T	WA2USA	UN6T
DK1EI	W6RFL	KD6UO	116	VE3YF
DK6CQ	W7RN	LZ2HM	AJ4F	W1OPD
IK2SGB	WV4TN	N2MM	DL7URH	W9XX
JA1SJV	ZL4AS	N3NR	EA5BRE	WA7BNG
KD8RQE	119	PY2PA	EI2GLB	WP3R
KG9Z	AA3AZ	RN3TT	HA7PF	YL2CZ
N1JP	AJ4A	SP6JIU	IK0EIE	114
N6HC	CT1FCX	SV9COL	IK2OHG	AA4DD
SV1AHX	DK3GG	TA2RC	IT9TQH	BA4DW
UQ1GWW	EW4M	VK4CAG	IV3HYD	BA7IO
UT4EO	G4DJJ	W1K SZ	JA1WTI	CT3FN
UU2JQ	HB9AAQ	W4DAO	K1DC	CU3AK
VA3AYA	HB9BCI	W4NF	K1RI	DL6NB
W2GG	HB9CQK	W4NJ	KT1V	F6CWA
W2TB	I2TZK	W8FIB	PA0JSE	G3SDL
W3RJW	I4MKN	WT4Q	RV3ID	HK3PJ
W6XI	IU0LFQ	YO4AUL	TZ4AM	HP3TA
W9YE	JA3AZD	117	UA4PCM	I5OYY
WA1PMA	JA4XGC	9Y4VU	VA7CRZ	JA0AOO
WY1G	JE2JMV	AE0P	W1ENE	JA2KNW
XE1VIC	JH6CDI	BH4IGO	W1WEF	JA4KDT
120	K5UZ	DL1DWT	W7GG	JH1AGU
9A5F	K7EG	IT9AAI	W7OEV	JH6WMJ
AC9EM	K8KWT	IT9DAA	W8LRO	K1RV
AL7TC	N0KV	JA1HQT	WQ5L	K2DC
DL2VWR	N4LR	JA4FM	115	K3MD
FG5FR	N8PW	JA7GYP	AA5JF	K3OSX
HB9BLQ	N9UA	JA7IC	C6AGU	K5RJ
HB9DHG	NT2A	JM3GXU	CU2CE	KB8U
	NY7T	JR2UBS	DL9GOA	KZ4V
	OH5NG			N1QY

N2JJ	ZL1BYZ	ZP6CW	G8AJM	K6MW
N3MN			HB9EFK	KC2STA
N4IQ	112	111	HC1BI	KE1F
NU8Z	A92IO	AA4U	HL3GOB	N8NN
UA3FT	DJ1RL	AB4GE	I2BBJ	N9ISN
W0VX	DK5RL	AF4OX	IK5RUN	ND4V
W4TUN	DL5CL	DK2WH	IK8UHA	NN4RR
WA1FCN	EA1JO	DK6ED	JA1OVD	NU4I
WA9YYY	EI8IU	DL1HRN	JA9KRO	NX7U
XE3ARV	EW1DO	EV1R	JH1VHU	PY5CC
	G3XGC	G3PLP	K1EO	RW4UU
113	HB9CRV	G4DBN	K3JRR	RW9QA
9A1A	HB9G	IU8FRE	K3PH	RX3AGD
BA4RF	IK7YZG	JA1AUD	K4WW	TG9NX
DJ5DT	IZ4DIW	JA1FGB	K5WAF	UB5ZAL
DJ9RR	JA1SXR	JA1NCZ	K6MI	UT7KF
DL8CM	JA2HYD	JA5FDJ	K6VKO	VU2CPL
DL8DYL	JA7BXS	JE2EHP	KB4MRX	W0VHF
EA5KA	JG3LGD	JE8TGI	LZ1PM	W5WP
G4AFJ	JI4WAO	JF2WGN	N2CG	W9FI
JA0GCI	JR7TEQ	K2HAT	N3HBX	WB5TUF
JA4ITW	K0JPL	K5CD	N3IQ	WC2K
JA5WIZ	K0TPP	K7ORK	N3JB	WN0L
JH1ORA	K1KO	K9AJ	N4KE	XE1FAS
JH3GCN	K3FRK	KM1R	N5BO	YV3AGT
K8SL	K3NF	KZ0X	NC6K	
K9GWH	K4UAS	LA0CX	NY4I	108
KA4RRU	K8CC	N4WJ	OZ1LCG	A12Q
KH6DX	K9FN	N7BD	RD9M	AL7R
KI0G	KB2FCV	N9HF	SM5BHW	DL6CNG
KT1J	KI4DLS	NA1DX	SV1VS	ER1LW
N4DJ	KM1C	UR6QA	UA3O	G3VAO
N7KO	KM3T	UT1UY	US7MM	HB9BAT
NA3F	LA8HGA	VE6KC	W0UY	HB9CEX
NG0G	N5ZC	VE7CT	W3XY	HB9FAN
NI5F	N6MA	VE7UF	W4DC	IK0PRG
NK5B	N6PE	W3FOX	W4NE	IZ0BTV
R7NA	RU4SU	W4HOG	W5VY	JA2MOG
RA4UN	SM3DMP	W4OX	W5ZPA	JA3NHL
RZ3AUL	UA1ACG	W5AQ	WB4TDH	JE2UFF
SM5ARL	UA1CEI	W7VS	WL7E	JJ2PIK
SP3EPG	UT6UD	W8KA	YU7AU	JK1MZT
SV1FKZ	VE7XF	W8MIL	ZL3NW	JR7FRW
SV1JFV	W1HEO	W9RB		K1EP
SV2AVP	W2CVW	WA2BOT	109	K1XM
UN7TW	W2SKI	WA2MUA	DF1KG	K2KQ
VE3KI	W3MR	WB9EEE	EA3GHZ	K2MK
W2GW	W3UL	YL3DQ	EU4T	K4WY
W6BK	W4VHF	YO6HOY	F8EZE	K6UT
W8FAX	W5VX		G3SVD	K8OM
W9VNE	W6TC	110	J68HZ	KM8AM
WA4DOU	W8GEX	CU3AN	JA2CXF	KN4JX
WB2HJV	W8HMK	DG7RO	JA4BXL	LU2DKT
WB2UFF	W9SE	DL1VDL	JK1EXO	N1BZ
WS4C	WA8MCD	EA5BYP	K2ONP	N4MEC
WX3P	WA8OLN	F5BAR	K4RDU	N6RFM
XE1RBV	WT9U	G3LNS	K5KA	N9TF

PA0ZH	SP3BQD	V73AZ	R6YY	KK9H
R5FY	SP6AXW	VQ9SS	RA6AF	KW0A
R7LA	US5CB	W1CWU	RD4WM	N2SQW
RX6DX	VE3OI	W2EQ	SP5JXK	N3ER
S57J	W3KB	W2LE	UA6LCN	N3TR
SM6AOU	W4UCK	W2NO	UR1RWX	N4TTE
UX7UN	W6TDX	W3ICM	UR2RGN	N8MZ
UZ6LWZ	W8VK	W4IR	VE1PZ	N9DR
W2UB	W9CPV	W5JAY	VY2ZM	NJ9C
W3NRJ	WB8ART	W8IW	W1LY	NK7C
W4ZYT	WS1L	W8OP	W4OWY	NN3Q
W6KK	XE2YWH	WA4MYO	W5KI	OH2OT
W7ACD	YL1XZ	WA6TLA	W6FF	RA1QX
WA2ALY	ZL3RJ	WC6DX	W9HBH	RU3UR
WA4CEM		YL2GN	WQ5W	RZ6DX
WA8MOA	106	YU3EF	YU1NR	RZ6LB
WC1M	AA4FL			SM5CCE
WD9EQU	AE2U	105	104	SM7CQY
WW1WW	DJ6OZ	DF2PI	9M2AX	SO5AS
	DL1QQ	DF8AA	AD1C	UA9FGJ
107	DL2NOM	DJ3XD	AH0U	US5CAO
4Z5LA	DL3JSW	DJ6KH	CP8HD	UT4EK
DJ8ES	EA3CCN	DL4ZAB	CX3CE	UT7EC
DK3FB	HA8DZ	DL6JZ	DK3BK	UX4UM
DL2CHN	IW3GJF	DL6XK	DL4FAP	UY0MM
DL5XU	JA1VLK	DO1CTL	DL7UPN	VE3VHB
DO4DXA	JA2MNB	ES1GO	E73D	W0YBS
EA5AT	JE6IGP	G3YUV	EA8ZS	W1QA
EA7QW	JG3HBO	HA8FW	F6AJA	W3DRY
FG8OJ	JG5RVQ	IZ2EWR	F8GB	W3TMZ
G4AKY	JH2KKW	JA1BWA	G3BRD	W5CWQ
G4RGK	JJ0NCC	JA1TAA	HB9CIP	W5GJ
HI8R	JR0EQQ	JA6VA	HK3O	W5ZO
I5IHE	K0DEW	JA7BME	IK0DWN	W6PH
IT9XTP	K1PX	JA8RRF	IW0HEX	W7DR
JA5EY	K2CJ	JA9APM	JA1SDV	WA0I
JA8JTH	K4DSE	JF1RYU	JA2FGL	WA9ETW
JH9DRL	K5AM	K1DJ	JF1EGO	YC0LOW
K3SW	K5ZQ	K2XF	JF6WTY	YO5ODE
K3YBN	K8JJC	K4MS	JK1BSM	
K5FZ	KQ3F	K5AV	JO1WXO	103
K5KPE	N0JZ	K7OX	K0MD	AG1I
K8LBT	N2CW	K7PO	K0WK	A13Q
KE2R	N2WLG	K9RO	K1BG	DJ1MM
KZ1W	N3XM	KI5T	K2BLA	DJ7PI
N2RR	N8AID	KT2E	K3FM	DL2HX
N3DAP	NA5Z	LZ1JZ	K4KEW	DL8YRM
N4RF	NI5M	N4JI	K4MF	DM5TI
N6EE	NS3L	N4NW	K4VIG	DS3HWS
N8AGU	NU4Y	N4SC	K4YJ	EA7SG
NA5Q	OE5CSP	N4VN	K5HK	EU6MM
OE1CP	OK1AYU	N6NU	K6UM	EW3LB
OK2BUZ	OK2BVG	ON7PQ	K7TJR	G3BDQ
OK3CQR	S57AL	OZ4AAL	K9EA	G4AAW
R0FA	UR3CRO	PF7M	KA2BZS	G4PUQ
RN4AA	UT7UU	PJ2/K8ND	KH6KG/W5	G4VGO
RV6ARZ	UU5WW	PY2DS	KI0KB	I0OSI

IK2ANI	102	SM6WET	K4SAF	W1AW
IZ0CKJ	A6/RV6LNA	SP5MXZ	K6AAW	W1FC
JA2GQO	CT4BD	T77V	K6XJ	W1GF
JA2OLJ	DK3QM	UA1AIR	K7AR	W2SF
JA8EJO	DL3DXX	UA1CKC	K7IA	W3WH
JH1DGQ	DL3NCR	UA6HOF	K8BN	W4BUE
JM2RUV	DL4CW	UA9MR	K8ZR	W4PM
K2UVV	DL4KUG	UA9UCO	K9JU	W7AV
K4LQ	DL5RDI	UW7CN	K9PG	W7CB
K5JUC	EI4DQ	VE2FYR	KC4PX	W8GB
K7BTW	ES5RW	VR2MY	KD3UY	W9DX
K8CCV	F6BWO	W1MRH	KE1VT	W9MAF
K9MUG	FM5WD	W1PV	KE4S	W9ZCL
K9XJ	HB9AHL	W2LW	KF7NN	WA0RVK
KE1IU	I8LWL	W2TX	KN6J	WA3EKL
KJ4R	IT9SFT	W3EKT	KQ1F	WB3HLH
KJ7WY	IZ4MJP	W4ALF	LA2GV	WC4H
KM9E	JA0HXV	W5TO	LZ1XZ	WK9U
KP4AA	JA4EVN	W7IUV	LZ2XF	WR2G
KX2A	JA6OXT	WA0IDK	N0STL	WW5G
LX1DA	JA7EPO	WD8DSB	N2AJ	YO2OXD
N0RU	JA8OW	WS4Y	N5AQ	YO6BHN
N1HOQ	JR1BAS	YO2IS	N6WM	YV4DYJ
N6PF	K0EOO		N8AG	
N9BBQ	K0YN	101	N9JCS	100
N9SF	K1EDG	AA2VG	NE1F	9M6YBG
OH3GD	K1PTF	AA3LX	NX2X	A41ZZ
OK1DQT	K2LP	AA4NU	OA4TT	AA4AK
OK2BQU	K2TK	AC5O	OE3WQB	AB4VV
OK3BRK	K3KG	CT1JGA	OH3TY	AC4VM
OZ7JZ	K4AQQ	D44BC	OK1PGF	AG4Q
PA0GMM	K4KAY	DH2FW	OK2BOB	AI2S
R9GM	K5ZO	DK9WI	OK3EY	DJ6OI
RA0FA	K6DJ	DL1KS	OK4MM	DL1TPY
RA4HT	K7BHM	DL3ANK	ON4LG	DL1TRK
RK3QY	K7UA	DL5JS	OZ5HP	DL9GTB
RU3OW	K8BHZ	DM3ML	PA4WM	DU7ET
SM3CBR	KB9DAK	EA1WX	RA3AH	EA2AAZ
SM6EHY	KG8CW	EU1TT	RA4P	EA3ALD
SM7BHH	KJ6NZ	G3ZFC	RA4SD	EA8AXT
UA3PFN	KN4KL	G4FJK	RB7GG	EC5A
US2WU	KW4BY	GM3WTA	RK9F	EI9E
UT2AB	KY6R	HB9NL	RY6M	ES5NC
VA2ZO	LA3ANA	IV3GOW	SM2DMU	F6ECI
VA3IC	N5RZ	IV3KCB	SM7NDX	FM5GU
VE3EDY	NZ3M	JA1VVX	SP7JLH	G0VXE
VE3MFA	OH2EA	JA2VMU	SV1PL	G3OIL
VE3VV	OK1DTN	JA6TMU	UA0FDX	G4CGG
W0UVC	OK1JDJ	JA7SFD	UG6GAW	GM3ZSP
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W4AVY	ON5UE	JH3HGH	UT1CC	IK0HFO
W4MZ	PA7TWO	JH3PRR	UT4IS	IK4MSV
W5THT	PV8ABC	JI3KDH	UT7HA	IS0/YO3RA
W5VU	PY2DO	K0LW	VE2OJ	IW0BYL
W6SZN	R2AB	K1YR	VE3XB	JA1BRK
WB8BZK	R3IS	K2BX	VK2GR	JA1CPU
YO7APA	RU3UN	K3SEW	W0QC	JA4FSH

JA5DQH	OH4UI
JA9CGW	OK1DXD
JO4CFV	OK2PAZ
K0FLY	ON4ANN
K0XM	ON7EH
K1NA	ON7GB
K1NZ	ON9CC
K2CBI	OZ1ZD
K2CYE	PA0INA
K3TZV	PA7RA
K4FT	R3PJN
K4KSY	R9JX
K4UQC	RA3SD
K7VIC	RA4LW
K8BZ	RA6XB
K8CR	RC2A
K8CS	RN1A
K8LE	RT5A
K9NZ	RU3GF
KB0EL	S53MJ
KC0V	S59DJK
KC4D	S59SV
KC5LT	SV1VJ
KD8BZY	SV2DSJ
KP4N	UA3AKI
KQ5M	UA4PAY
KS4XQ	UA6CEY
LA6UL	UN6P
LA8W	UR4CW
LU5OM	UR4LRG
LU5YF	UR8IDX
LZ3YY	US8UW
MM0SJH	VE1RGB
N0AH	VE3OAT
N1KI	VE7JKZ
N1MD	VP2VA
N2DPF	VR2PX
N2SG	W0GYH
N2XQM	W0MU
N3AF	W1AN
N4CRI	W1YRC
N4ZR	W2CCC
N7DED	W3BBO
N7TK	W4HHN
N7TY	W4OV
N8IL	W5BK
N8NB	W7DT
N9ADG	W8CNL
N9PGG	W8FN
NA6O	W8GDQ
NA9Q	WB4SON
NB3R	WU2M
NG7A	YB1TJ
NJ3I	YL2SM
NN4SS	YO9FLD
NU1T	ZP9MCE
OE5JDL	ZS2DL