

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 31 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 F6BKI LZ2JE N1RJ N3XX S54E
341 EA8AK	323 EY8MM S50A SP5EWY	313 GM3POI OE3GCU OZ7YY	307 DJ7MI OH5VT RZ3AM UT3UA VE3EJ	300 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	308 I4EWH IK4MGP IV3PRK		
330 AA1K HA0DU K5UR LZ2DF OH1XX UT7QF	317 W3LPL			
329 K3UL UA4HBW	316 4X4DK W2VO			
328 R4GM UA4CC	315 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 SP6CIK	264 AA6YQ K7ZV SP9JZU W1GL
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SV1AOZ W3YX W8TOP	285 CT1APE G4CCZ HB9BGV	278 DK0EE F6BEE JA3FYC K5DU KG4W N5DG UR5WA	271 EU7A G4GED HB9AMO OZ1CTK	263 IZ1ANU K9OW LA5IIA W2SM W3AP
291 9A7V DF3GY JA4LXY KD9SV N0TB R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ	284 K5XI UA3AB	277 AA4MM DJ9VA F6AOJ IK5BAF ON7TK SP9DWT	270 OE5KE SM5KNV	262 G0DQS K4XP KR9U W1YY
290 IZ0AEG SP3IBS UA3AKO W5ZN	283 NA0Y NO3M R3OK	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ	269 IK6DLK JA5AUC K6ND KD5M RV3LO W1ZC	261 9A4T DL9YX EI7BA 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 K1LT K4DY KX4R
			267 LU8DPM	259 DF4PL EA5BM

F6GCP I1FQH IK2YCW N3NT R9FM	JQ3DUE ON4AOI PA4VHF S52F W3UM	245 AB3CV DL4CF JA1GV N9US RL9F RY7G W9XY	239 F6BLP G8VR JA5MHD JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK	K4UTE KF0QR PY1BVY
258 G3ZSS KW9A RN3CT VE3QAA	251 DJ7RD DL9RT I1EIS JA2VPO JH0BBE N4II VK4MA W5UN W7LR	244 AG9S DK6WL IK0XBX JA1HGY JA7QVI ON4IQ		233 AB4I EA6VQ JA0FSB K0CS K2UU KA7T SK3PY UA4HAU VA2WA W7AO
257 IK5HHA K1GUN W9YSX			238 DL8WN IK0XEZ JA0DAI VO1HP	
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL N5KD N8TR PA7MM W1TSP	250 HB9RG NQ1K OZ8BZ PY2RO	243 DK2JX DK3DG JF8QNF NN4X ON4ATW S57A W9RPM WX4G	237 DL7MAE IK0MHR K1DG NI0G OM4EX RA0FF UR5EDX	232 JA8EAT K2AZ K4XL NI6T S51DI UA3AP
	249 AI9L JR3IIR K9NW SP5DRH			231 4X4NJ HA9RE IK0YUT JH1HGC K5EK N7NG ON4ACG W9IXX
255 K4QL KY7M N2MF UX0FF W3DF W5OZI	248 K3WW K5RX K9RX N2NL R5DT SM3VAC SV8GFW T77C UT9FJ W9NGA	242 KG7H R5AJ	236 EA6ET K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK YO9HP	
254 N0AT OM3DX WA4FFW		241 EA4KD JA1SYY JA3EMU K2FF K5ZK N4XM N5TY N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH		230 DJ5FI FK8CP JA1CMD N8JV SM3NXS W4GF W4VQ
253 5B4AGN AA1QD K5ESW RU3FM S58Q UA1OMS W0YG W3KX	247 IV3ODE K6XT NO2R R7IA WB3AVN		235 CX6VM JH4ADV K3SWZ KA9CFD N6DX OK1CF R7DX VE3XN W3LL WA7NS	
252 EA1DR IV3YYK JF2MBF JG3QZN	246 DJ2TI F2JD K0IEA N6TR TF4M W2TQC W5XZ	240 JA0CRI K0JUH K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA		229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T
			234 AC4G AJ6T IZ8FFA K1AR	228 AF9H AI0O EA1N K4HB OH2BEN

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

203 IZ8VYU JA2XYO JE1PNX K4XO K8AC K9MMS KK2I PA0A R6AF W8GC	W2IRT W3GG 199 JA2DPC JA2JNA K1GG K6G XO N4DW OZ1AXG W1TO	K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP 194 K4KDX K9JF KB9LIE KC9ARR W1NT W2LO W4FC W9OO WD8JJA	K9LA RK2FWA RX3APM WA2VYA 190 CT1IUA IZ8XQC JA1DUH JA1MCU K2TE K9KU KF7PG KM1D LA7AFA N4XU N5GH SP2LNW VE7VV XE2X 189 9A2F EA8PP FM5CD JA3RAR JH1QAX K0JGH SM7GIB SP7HOV UA7T WE9R 188 AB4IQ JA1KQX KB0EO KB1EFS W6SR W8JV WA6YEE 187 AJ1H DF2GH JA0VSH K0SR KN5O N2NS OK1CZ RM0F SM0NJO W7AWA 186 9A8A IK2QPR	IZ8FWN JA8DNV K0BJ K3PA K6SRZ K7LAY N8LJ NE1B WA3C 185 AB6QM EA6BF G3KWK IK3SWB K0BBC K5ZD N4TJ N5UR OE2BZL SV1DPI UA9CBO 184 AA1ON I2AOX JA2ZL JF1NZW JF1PUW JH1RFR K4HGX K5KLA KB4ET KL0S OH2IS S57AC US8UA 183 CT1FMX CT3MD IT9INO K8VC KE9ET LA3WAA NN2L ON6SAS W2FP W8NW 182 DJ9ON DK3UA JA1SHE UR3EO W1YM
202 DL1MGB DL2KQ DL9DRA EA1RT JA3CSZ JA5AQC JH3VNC K2NV LY1G N7KA OK1DOT R9TO RA3S UA9FAR W7DO WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR W8HB 197 G3SNN HB9DDO I5KKW JH2UVL K8NVR LA5YJ OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL	193 DL5ZB DL6ZYG EA3WD HA5BSW JA1XEC K4ODL K9YY KB8VAO KV7K N9EN PA0LOU RN1ON UA0CA W9MU 192 9A2NA DK1FW IK0FVC JA0EOK JA7JWF K3FN K4FJ K5XX K7GM K9EU N4DB N5LZ W3UA W4UM W8LGJ WN6W		
201 AA5AM CU2DX DL1EJA F4BKV JA9NFO JI2KXK JO7WXN K3HP K5MC N4QS N5ZM W5TCX	196 4Z4DX AA4HP AG4W DK2LO F6EXV IK4PLW JA4PXC K8PO KA9FOX KP2A ND0N RA9CMO RZ4FO SM2OAN W0FS W2FCR			
200 JA1GTF JH2RMU K1GE K3LR K9US LA7HJA RW4NN RW7M UY0ZG W0DD W0MHK	195 EA3JL EA5RM G3ZEM JA1EOD JN7FAH	191 G0OIL JA1ANR K8FC		

181
DK3WW
N3OC
VE3OSZ
YO2DFA

180
DM2DXA
DM3VL
K2EP
K4CN
K6SSS
K7BG
LA9AJA
N1RR
N4AH
ON5FP
UT2UB
W1RM
W3YQ
W8TN

179
IT9ELD
IW0SAF
JA2BDR
K8WK
OK1MG
S57UN
SM4DDE
SV3FUP
W2YJ
W7BEM
W8KEN
YL2TW

178
EA3CJ
JA2LCP
JA4MRL
JE2URF
K2UR
K8RRT
NE0U
SM7DLK
SV1JG
W6NWS

177
9H1SP
AE5E
CT1EAV
EA8JF
HA5WA
IK4ADE
JE1BMJ
K3WC

K9NU
SM6DHU
W2OR
W5LT
W7FI

176
EU1AB
HK3W
I6FLD
JA0DET
JA5IU
JA6BJV
JA8KSF
JL1SAM
K8MN
N5OK
RL3FA
W4BP
W4GD
YO7NE

175
JA1CHN
JS3CTQ
K4DLI
K5GKC
LA0FA
N7IR
N7XR
SM5FUG
SP1MGM
VE3FF
W7MEM
WX0V

174
4Z5CX
JA0GJJ
JA2XW
JA7MOL
JF7DZA
JK1OPL
JR6PGB
K0TT
K2KA
K3AJ
K4TR
K4WS
OE1WHC
OK1DWC
RN7F
UA3LNM
W8UV
W8VVG
WT8C

173
5B4ALJ
I1JQJ
JA1PPW
JA3ENN
JA9TWN
K1NTR
K4XR
KA1J
N5FG
PY5EW
W8HC

172
G0BLB
G3NKC
IZ5MOQ
JA3FGJ
JA9NLE
JG3IWL
K0DEQ
K1BD
K6FG
KJ0M
W4FQT

171
AA9D
DL6KR
G0EHO
HA9PP
JA6HUG
JR1TNE
K1NU
K9YC
LA5LJA
N0RN
N4OGW
N7RO
N9RC
SV1LK
WB7B
ZS1LS

170
CT1FPQ
DJ6TK
JA6JPS
JF1WPB
JM1GYQ
JR7BDQ
K6ZZ
N4PY
SP3GTS
SV3KH
W9AJ
W9EVI

WA3AFS
WC4X
169
IK0PEA
JA1ADT
JR1IZM
K1LI
N4XX
N7US
PE1L
RA3DNC
UT8MM
UY5AA
WB3JFS

168
4Z5MU
G3MXJ
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JE7JDL
JF2UPM
K5QY
K8RYU
KR4F
N4QQ
N8BJQ
PA7F
SP5GH
TF3SG
W4SVO
W6RW
W6VX
W8OI
WA5YNB

167
DK5AD
JE3ENP
JG0CQK
K4XD
K6KO
K8NK
N0IJ
N3BNA
PA3C
RA1AOB
RN9N
S51EC
SP3FAR
UN9L
VE6WQ
W1YW
W3IP
WA0MHJ
WA4LOX

166
4Z1UF
DJ4SO
IV3TDM
JA1FNA
JA9LJS
K3KY
K4JLD
K4PB
K4ZYU
K9MBQ
OH2BLD
RM3DA
W1RR
W8ILC
WA8TXT

165
DL7UCX
I2ZGC
JA6VQA
JE7RJS
JN4MMO
K5JZ
KI5BLU
KK4CB
SM4CTT
SP6EQZ
W0DJC
W5BN
WC5N

164
GU4YOX
HA7UW
HB9BZA
JA1RTX
JA7ZP
JH2SON
K1NJ
N5WA
N9FN
NY0V
RA3ZH
SV2AEL
W4NS
W7YAQ
WP4U

163
DJ9HX
K8TL
UR4CWQ
VE3CFK
W7AL

162	159	IK0FUX	SP5CCC	W7CT
4O3A	JA4FKX	IZ8IEV	UT5UY	WA2BCK
9A4W	JE2LPC	JH2QMT	WB8BPU	
CT1GFK	JH6QFJ	JO7HAM	WE1P	149
F3AT	JH7CFX	K0QC		AA6AA
JA6GIJ	K1KA	K8YSE	152	DL7CX
K1KI	K4RO	KS1J	EW2A	IK4FNF
LB6KC	W3HKK	N3UA	HB0CC	IZ3ENH
N8MR	W6BJH	N4HB	JR9OPJ	JL1ARF
RW3RN	W7SX	UA3SAQ	JT1CO	JR5JAJ
W0HT	W9RN	VA3LX	KS3F	K3RA
W0TT	WA9PIE	W1YIF	N9OY	K3TN
W1LW	WD5BJT	W4TV	S55ZZ	K4YYL
W3JX			UA6IGI	K8ME
W4DKS	158	155	UT5AB	NX8Y
W8WEJ	DJ4PT	AB9V	VE6LB	SM6CUK
WW3S	DL1FKA	DL1RK	W1SKU	SV1CNS
	JH1TWT	DL6MRS	W1VT	UW7UA
161	JI1FXS	K2LS	W6RLL	W0GG
DK2GZ	JI1NJC	K4WA	W7AJ	W7HPW
DL6RAI	JR1GJP	NE0DX	WB3CQM	WB8B
JA1DOF	K5TT	NW7E		WD5K
JH4CPC	OZ1HX	RC9F	151	WS5W
K1USA	RU6M	SM6VR	DK2OY	WW2DX
K5GO	SM4EMO	ZS6EZ	EI9JF	YO3DDZ
K7NN	W0SZ		F3SG	
K8ND	W1OX	154	JA6BEE	148
LB2TB	W2XL	3V8SF	K2FW	DK2CC
N4GN	W3GQ	GM3PPE	N1EN	EA7TV
OH6RA	W4QN	HB9TKS	N5JB	F5CQ
VK3HJ		JA8NFV	OK1ATP	F5LVL
YU2TW	157	JE2DZC	RD3A	HB9BUN
	AA4H	K0KVR	RU3A	HB9SLO
160	AC6DD	K4RG	S54A	JA2VQF
9A2JK	DK1WB	N3RC	SP7AWG	JH1QDB
AD5Q	EI6FR	W1NA	SV9AHZ	KR2Q
DL1DA	G3TQZ	W2XI	W7RH	N2WB
EC3A	G4GIR	W5DNT	WA1Z	NE3F
HB9DHK	JA1GHH	WB0TEV	WP4G	W5FKX
HB9FMN	JA9APS	WS7L		W9JJB
IW2FND	JH7IAJ	YS1RR	150	
IZ4DPV	K9GA		DL4SZB	147
JA2EPW	LY5A	153	EA1AF	AA7G
JE2LUN	N5MOA	AJ9C	IT9DSZ	EA3GP
JE2OVG	NE9Z	DL3ZA	IV3RAV	IV3VBM
JF2XGF	RN3OG	EA5BY	JA2NQG	JA1SVP
JR7MAZ	RU4UR	G3TJW	JH1NYM	JA1XQC
K3MSB	SM3PHM	HL2CFY	K0RS	JH4ALY
NR4M	SV8ZS	JE3GRQ	K7LV	K2AX
RU6L	W2TA	JF1IRW	K8AJS	K7HP
UA0FZ	W5GZ	K7SP	KU4XO	K8UT
UX5UO	YV2IF	K8VFF	N3QE	K9MK
W1BR		N4TV	N9CO	KM1H
W5XC	156	N5TW	N9MB	N1IBM
WX0B	DL4MM	N8II	OE8SPW	UN7LZ
	F6HDH	R9OK	UA6YW	W1OP
	IK0AGU	SM6CLU	W6DAO	W2KKZ

146	WD5T	OE6VIE	DK8YY	WB7QXU
F5PAC	YO3CD	SV3FUO	EI9FBB	
G4FTC		W3BW	EU4A	135
JA1HQG	143	W4JVN	F6DDR	5B4MF
JA4DHN	DL1DUO	W4VIC	IK8EPC	DJ9ZB
JH1GNU	DL6EN	W4WT	JA3OOK	F6FXU
K1CA	HB9HFN	W8HW	JF3LOP	HB9IQB
K5KV	HS0ZEE	ZS1C	JH7RXU	IK8GYS
K5SM	I0JBL		JK1AJX	IV3DXW
K5VWW	K7CMZ	140	K1RO	IZ0RVI
K6NR	K7CW	9A1CAL	K2RET	JA7LMZ
K7WP	K8ROX	DF2RG	KJ6P	JA8BNP
N7BT	KJ9C	JA9RRH	KK1W	JA8JL
RU0SN	LZ2ZG	K5WK	NA5C	JH4HMG
W1IZL	N2RJ	K6KLY	OZ8X	K1ZE
W1ZT	N2WM	KF8DX	RW4CY	K7FL
	N5UW	N4XP	V51B	NZ9R
145	N6PAT	N7WS	W1GD	R7LP
AF4HX	R8TX	N8OC	W2YE	RN3RQ
JJ3HGJ	W0IZ	OH6NIO	W4YV	SM3LGO
JN1BMX	W6QUV	OK2ZV	W7OM	SM5CZK
K1OA	W8RLS	ON7DR		SP3XR
K3VAT	WB8ZRV	UN1L	137	W1DIG
K4OY	WD9DZV	VE6SV	GM3YOR	W2GD
K8BL		W0SEI	IZ2FOS	W4BUW
KF6HI	142	W4NU	JA3APU	W4MBD
LA6OP	I5HOR	W5ADD	JE6TSP	W4RFZ
N1CGP	IT9BLB	W7IV	JH4JNG	W6JTI
N4GG	JE1FQV	W8LWU	JR1XIS	W8GNM
PC3T	JR7WFC	WO2T	K2QMF	WE4S
RT0F	K3PP	YL2MU	K8NS	
SM3DTR	K4WZ	YO9FNP	N2PK	134
	KQ4AV		ON6AA	CT3HF
144	LA9VFA	139	RA3CO	IK4DCS
CU3EQ	MM0SAJ	CU2AP	RG7G	K1TO
DL5CW	N5XZ	DF7EE	UU1JA	K3OX
DL5KUA	N7QT	DJ4XA	W1ITU	K7XB
E70T	NA4D	DL5EBE	W2CG	KA8SYV
EI6IZ	NQ7R	DL8OH	W5ODD	KX4TT
GM3ITN	NY2NY	JA1TMG	WB5JID	N9RS
HB9BYQ	OK1DO	JH0BQX		OE1TKW
HI3T	W2OO	K3ANS	136	PY5HOT
I5MXX	W5LUA	K6AM	DS1JFY	RG6G
IT9GSF	W5VQ	K8GI	E72U	RX4HW
IZ4GWE	WA5POK	K8RF	ER0FEO	UA0ACG
JA3GN	WB8CQV	KD0PO	IK8CNT	W1EQ
JR3OEH		KU0A	JA4OK	W4JKC
K0VSH	141	LA8WG	K0TV	YU1AM
K5TR	AC9S	OK1MP	KR6C	
N1IX	DL5MHQ	OK2QA	N2ZN	133
N3KK	EW1BA	SM5CBM	N6PSE	9K2NO
SM4OLL	JA1PTJ	SV8ZC	OK1DW	EU1U
SM5CLE	JA2ATE	W0SD	SM5OJH	IZ8DFO
W2/CT1GIF	JA5XAE	WA8WV	SP2BMX	JA7GLB
W4GE	JL1UXH		UT3UZ	JA7LGE
W7ZI	K2RW	138	UW8SM	JA9AGN
WC5M	NJ3K	DK8MCT	W2OIB	JH1HHC

K1ZN	N5PHT	DM2RM	HB9FMT	VE3UTT
K2CDJ	N6RK	IT9ZZO	IZ7EVZ	W5DAW
K6EME	NA5DX	JA2AHH	JA1XCZ	W9CG
KS4YT	NN4R	JA2KSP	JA7KY	YO2RR
KU2A	ON4ON	JA9AA	JJ1DWT	
N9MR	R0SR	JE1LFX	JN1RQV	124
OE1KM	R9MJ	K0FF	K2ZD	AA7XT
RA5BM	R9SA	K3XA	K4JKB	IK3VBB
RV4LC	W8DCH	K4JAF	K4XU	J11DHY
UQ2PZ		K4SE	KC2LSD	K1UU
VE3WT	130	K6LPO	LB7ZG	K4ZO
W0NFL	DF9ZW	KG7CW	N8NA	KD4POJ
W2QO	E73M	LB5WB	OK3CQD	NA2U
	EI2JD	N5KM	OZ1IKY	PA0TCA
132	G7VJR	R9SG	PA5TT	PA3EWP
AA4NC	HK0HEU	S53X	SQ5EBM	UA0BA
AB9M	JA2FBC	S55DX	VE3CX	VE1DUN
AD6W	JG1DUZ	SM3GQP	VE7BV	W2JU
IT9RDG	K2MYR	SV3DCX	W8MK	W2RIJ
JA2KVD	K6SIK	VQ9LA	W8REW	W3FM
JA6CBG	K7LFY	W2WC	W9ILY	W6CYX
JR2LJO	K8BCK	W4IS	WB0O	W8LMG
K6YUI	K9GL	W6RKC	WB2REM	
K9ZM	N3MK	ZS1A	WD4LBR	123
N6HY	NA4EA	ZS6UT	XE1KK	AB1OC
ON4CAS	NO9E		YU1EXY	AC4TO
OZ2RH	OZ2ABI	127		DL7JRD
SM4BZH	R3VA	HB9CQK	125	DL9FCY
SM6BGG	R5QA	HK1MW	9A1AD	F4GTB
SP6M	R9AB	IU0HDC	GW3TMP	G4WFG
SV5DKL	RU1AO	JA1DDH	HK4SAN	G5LP
VE3CRG	TA1CM	JA1WLO	IK5DNF	HB0WR
W4AXL	UN7JX	JA8RJE	JA4IYL	IK2CHZ
W4RBO	VE3DO	JS2LHI	JA6VU	IK3XJP
W4WM	W2MPK	K0RW	JE1TSD	JA0CRG
W5AJ	W9ZT	K3TRM	JE6UWU	JA3MHA
W5SL		K7TM	JF2WXS	JA6WJL
W6DR	129	KM4H	JH3CUL	JH3AIU
W7AH	EA1YO	KM4NS	JH4ADK	JR1EBE
W7CD	HB9AZZ	N1AC	JL1RUC	K2PK
W9FR	JA1NWD	N1GC	K1HAP	K3XO
WB3D	JA8JO	OE8HIK	K5KG	K4ZIN
XE2S	J14POR	S51NM	K8DV	K5GH
	K3NK	SK7AX	KA6BIM	K7UT
131	K4TT	SM0BYD	KI4WCQ	K9CS
DK7YY	K6XM	SP6A	LZ1XL	KV4T
G3UHU	KM3V	SP7ASZ	N2KA	N2ED
HS1NGR	N0YY	W0CP	N3EN	N4DWK
IV3KFB	N3KS	W0RT	N4JT	N6MZ
JA2TBS	N3RR	W0YVA	N9RD	N9JV
J11DCW	OH1JP	W3BG	ND5S	N9LQ
JJ1TEA	PY5EG	W3MF	NW6S	NA2P
JM1FHL	W7QHE		OE1AZS	S50B
JR6FC	W8MET	126	OH1ZK	UA3DK
K5VIP		DJ8WD	RA0BA	UT3QU
KH2L	128	F8BPN	UN7JID	W1AO
N4QWZ	AA4SC	G4IUF	UU7JM	W8NJR

WB8K	HB9DHG	OK1DT	JA7IC	C6AGU
XE1H	IZ0LKV	R6FFB	JM3GXU	CU2CE
122	IZ5NFD	SV1ACK	JR2UBS	DL9GOA
G3NDC	JH4GJR	SV1IW	K1BZ	G4XEE
HA1RB	JR6LLN	W0QQ	K2BB	G8BCG
JA1MRM	K2BA	W0RX	K6PJ	G8DX
K1ESE	K2HK	W4HZ	K7PI	HA5UK
K1YT	K3QIA	XE1RCS	K8OOK	IZ7JVR
K2MP	K5JC	118	K8QM	JH1RFM
K7ZA	K6FW	5T5PA	N2BJ	K0GD
KR0P	KA8ZPE	AB2E	N3ND	K0SD
LA7WCA	N0OK	AE3T	N4IR	K4CMS
LA8PT	N4BAF	AG1A	N6MB	K4GHS
N9AW	N4TB	DL5OCE	N8AA	K4GK
NA9RB	N4TL	HB9RYZ	N8XI	K5XM
NN7X	N4UFP	JA4FHE	NY4G	K8YTO
OE3SGU	OE3EVA	J18DGO	SM7BIC	KO8SCA
OZ3Y	OZ2A	JR3UIC	SP8HKT	KV1J
RD4A	PZ5RA	K3WGR	UA6J	LY4T
UU4JMG	RL3BZ	K4CNW	UB3A	N0IRM
VE6AX	SP7ITB	K8LN	UR9IDX	N4OA
WA3I	UR5IKN	K8WVA	US1CT	N8KOL
121	US0YA	K9DR	W4ZRZ	PA3AXU
AA6RR	W2YR	K9SG	W5JMW	RZ6MJ
CT3KN	W3OA	KD2T	W6SL	UA1ANA
DF1DB	W4PRO	KD6UO	W8ZR	UA1CGS
DK1EI	W6RFL	KG8CW	WA2USA	UA6XT
DK6CQ	W7RN	KV4AA	116	UN6T
IK2SGB	WV4TN	LZ2HM	AJ4F	VE3YF
JA1SJV	ZL4AS	N2MM	DL7URH	W1OPD
KD8RQE	119	N3NR	EA5BRE	W9XX
KG9Z	AA3AZ	PY2PA	EI2GLB	WA7BNG
N1JP	AJ4A	RN3TT	HA7PF	WP3R
N6HC	CT1FCX	SP6JIU	IK0EIE	YL2CZ
SV1AHX	DK3GG	SV9COL	IK2OHG	114
UQ1GWW	EW4M	TA2RC	IT9TQH	AA4DD
UT4EO	G4DJJ	VK4CAG	IV3HYD	BA4DW
UU2JQ	HB9AAQ	W1KSZ	JA1WTI	BA7IO
VA3AYA	HB9BCI	W4DAO	K1DC	CT3FN
W2GG	I2TZK	W4NF	K1RI	CU3AK
W2TB	I4MKN	W4NJ	K3FRK	DL6NB
W3RJW	IU0LFQ	W8FIB	KT1V	F6CWA
W6XI	JA3AZD	WT4Q	PA0JSE	G3SDL
W9YE	JA4XGC	YO4AUL	RV3ID	HK3PJ
WA1PMA	JE2JMV	117	TZ4AM	HP3TA
WY1G	JH6CDI	9Y4VU	UA4PCM	I5OYY
XE1VIC	K5UZ	AE0P	VA7CRZ	IK7YZG
120	K7EG	BH4IGO	W1ENE	JA2KNW
9A5F	K8KWT	DL1DWT	W1WEF	JA4KDT
AC9EM	N0KV	IT9AAI	W7GG	JH1AGU
AL7TC	N4LR	IT9DAA	W7OEV	JH6WMJ
DL2VWR	N8PW	JA0AOO	W8LRO	K1RV
FG5FR	N9UA	JA1HQT	WQ5L	K2DC
HB9BLQ	NT2A	JA4FM	115	K3MD
	NY7T	JA7GYP	AA5JF	K3OSX
	OH5NG			K5RJ

KB8U	WB2UFF	WA8OLN	DL1VDL	K2ONP
KZ4V	WS4C	WT9U	EA5BYP	K4RDU
N1QY	WX3P	ZP6CW	F5BAR	K5KA
N2JJ	XE1RBV		G3LNS	K6MW
N3MN	ZL1BYZ	111	G8AJM	KC2STA
N4IQ		AA4U	HB9EFK	KE1F
NU8Z	112	AB4GE	HC1BI	N8NN
UA3FT	A92IO	AF4OX	I2BBJ	N9ISN
W0VX	DJ1RL	DK2WH	IK5RUN	ND4V
W4TUN	DK5RL	DK6ED	IK8UHA	NN4RR
WA1FCN	DL5CL	DL1HRN	JA1OVD	NU4I
WA9YYY	EA1JO	EV1R	JA9KRO	NX7U
XE3ARV	EI8IU	F6ECI	JH1VHU	PY5CC
	EW1DO	G3PLP	K1EO	RW4UU
113	G3XGC	G4DBN	K3JRR	RW9QA
9A1A	HB9CRV	HL3GOB	K3PH	RX3AGD
BA4RF	HB9G	IU8FRE	K4WW	TG9NX
DJ5DT	IZ4DIW	JA1AUD	K5WAF	UB5ZAL
DJ9RR	JA1SXR	JA1FGB	K6MI	UT7KF
DL8CM	JA2HYD	JA1NCZ	K6VKO	VU2CPL
DL8DYL	JA7BXS	JA5FDJ	KB4MRX	W0VHF
EA5KA	JG3LGD	JE2EHP	LZ1PM	W5WP
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JA0GCI	JR7TEQ	JF2WGN	N3HBX	WB5TUF
JA4ITW	K0JPL	K2HAT	N3IQ	WC2K
JA5WIZ	K0TPP	K5CD	N3JB	WN0L
JH1ORA	K1KO	K7ORK	N4KE	XE1FAS
JH3GCN	K3NF	K9AJ	N5BO	YV3AGT
K8SL	K4UAS	KM1R	NC6K	
K9GWH	K8CC	KZ0X	NY4I	108
KA4RRU	K9FN	LA0CX	OZ1LCG	A12Q
KH6DX	KB2FCV	N4WJ	RD9M	AL7R
KI0G	KI4DLS	N7BD	SM5BHW	DL6CNG
KT1J	KM1C	N9HF	SV1VS	ER1LW
N4DJ	KM3T	NA1DX	UA3O	G3VAO
N7KO	LA8HGA	UR6QA	US7MM	HB9BAT
NA3F	N5ZC	UT1UY	W0UY	HB9CEX
NG0G	N6MA	VE6KC	W3XY	HB9FAN
NI5F	N6PE	VE7CT	W4DC	IK0PRG
NK5B	RU4SU	VE7UF	W4NE	IZ0BTV
R7NA	SM3DMP	W3FOX	W5VY	JA2MOG
RA4UN	UA1ACG	W4HOG	W5ZPA	JA3NHL
RZ3AUL	UA1CEI	W4OX	WB4TDH	JE2UFF
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SP3EPG	VE7XF	W7VS	YU7AU	JK1MZT
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SV1JFV	W2CVW	W8MIL		K1EP
SV2AVP	W2SKI	W9RB	109	K1XM
UN7TW	W3MR	WA2BOT	DF1KG	K2KQ
VE3KI	W3UL	WA2MUA	EA3GHZ	K2MK
W2GW	W4VHF	WB9EEE	EU4T	K4WY
W6BK	W5VX	YL3DQ	F8EZE	K6UT
W8FAX	W6TC	YO6HOY	G3SVD	K8OM
W9DX	W8GEX		J68HZ	KM8AM
W9VNE	W8HMK	110	JA2CXF	KN4JX
WA4DOU	W9SE	CU3AN	JA4BXL	LU2DKT
WB2HJV	WA8MCD	DG7RO	JK1EXO	N1BZ

N4MEC	OK2BUZ	OK1AYU	N6NU	K7TJR
N6RFM	OK3CQR	OK2BVG	ON7PQ	K9EA
N9TF	R0FA	S57AL	OZ4AAL	KA2BZS
PA0ZH	RN4AA	UR3CRO	PF7M	KH6KG/W5
R5FY	RV6ARZ	UT7UU	PJ2/K8ND	K10KB
R7LA	SP3BQD	UU5WW	PY2DS	KK9H
RX6DX	SP6AXW	V73AZ	R6YY	KW0A
S57J	US5CB	VQ9SS	RA6AF	LZ2XF
SM6AOU	VE3OI	W1CWU	RD4WM	N2SQW
UX7UN	W3KB	W2EQ	SP5JXK	N3ER
UZ6LWZ	W4UCK	W2LE	UA6LCN	N3TR
W2UB	W6TDX	W2NO	UR1RWX	N4TTE
W3NRJ	W8VK	W3ICM	UR2RGN	N6PF
W4ZYT	W9CPV	W4IR	VE1PZ	N8MZ
W6KK	WB6CJT	W5JAY	VY2ZM	N9DR
W7ACD	WB8ART	W8IW	W1LY	NJ9C
W9HBH	WS1L	W8OP	W4OWY	NK7C
WA2ALY	XE2YWH	WA4MYO	W5KI	NN3Q
WA4CEM	YL1XZ	WA6TLA	W6FF	OH2OT
WA8MOA	ZL3RJ	WC6DX	WQ5W	RA1QX
WC1M		YL2GN	YU1NR	RU3UR
WD9EQU	106	YU3EF		RZ6DX
WW1WW	AA4FL		104	RZ6LB
	AE2U	105	9M2AX	SM5CCE
107	DJ6OZ	DF2PI	AD1C	SM7CQY
4Z5LA	DL1QQ	DF8AA	AH0U	SO5AS
DJ8ES	DL2NOM	DJ3XD	CP8HD	UA9FGJ
DK3FB	DL3JSW	DJ6KH	CX3CE	US5CAO
DL2CHN	EA3CCN	DL4ZAB	DK3BK	UT4EK
DL5XU	HA8DZ	DL6JZ	DL4FAP	UT7EC
DO4DXA	IW3GJF	DL6XK	DL7UPN	UX4UM
EA5AT	JA1VLK	DO1CTL	E73D	UY0MM
EA7QW	JA2MNB	ES1GO	EA8ZS	VE3VHB
FG8OJ	JE6IGP	G3YUV	F6AJA	W0YBS
G4AKY	JG3HBO	HA8FW	F8GB	W1QA
G4RGK	JG5RVQ	IZ2EWR	G3BRD	W3DRY
HI8R	JH2KKW	JA1BWA	HB9CIP	W3TMZ
I5IHE	JJ0NCC	JA1TAA	HK3O	W5CWQ
IT9XTP	JR0EQQ	JA6VA	IK0DWN	W5GJ
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JA8JTH	K1PX	JA8RRF	JA1SDV	W6PH
JH9DRL	K2CJ	JA9APM	JA2FGL	W7DR
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K3YBN	K5AM	K1DJ	JF6WTY	WA9ETW
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K5KPE	K8JJC	K4MS	JO1WXO	YO5ODE
K8LBT	KQ3F	K5AV	K0MD	
KE2R	N0JZ	K7OX	K0WK	103
KZ1W	N2CW	K7PO	K1BG	AG1I
N2RR	N2WLG	K9RO	K2BLA	AI3Q
N3DAP	N3XM	KI5T	K3FM	DJ1MM
N4RF	N8AID	KT2E	K4KEW	DJ7PI
N6EE	NA5Z	LZ1JZ	K4MF	DL2HX
N7TY	NI5M	N4JI	K4VIG	DL8YRM
N8AGU	NS3L	N4NW	K4YJ	DM5TI
NA5Q	NU4Y	N4SC	K5HK	DS3HWS
OE1CP	OE5CSP	N4VN	K6UM	EA7SG

EU6MM	W4AVY	ON5UE	JH3HGH	UT1CC
EW3LB	W4MZ	PA7TWO	JH3PRR	UT4IS
G3BDQ	W5THT	PV8ABC	JI3KDH	UT7HA
G4AAW	W5VU	PY2DO	K0LW	VE2OJ
G4PUQ	W6SZN	R2AB	K1YR	VE3XB
G4VGO	WB8BZK	R3IS	K2BX	VK2GR
I0OSI	YO7APA	RU3UN	K3SEW	W0QC
IK2ANI		SM6WET	K4SAF	W1AW
IZ0CKJ	102	SP5MXZ	K6AAW	W1FC
JA2GQO	A6/RV6LNA	T77V	K6XJ	W1GF
JA2OLJ	CT4BD	UA1AIR	K7AR	W2SF
JA8EJO	DK3QM	UA1CKC	K7IA	W3WH
JH1DGQ	DL3DXX	UA6HOF	K8BN	W4BUE
JM2RUV	DL3NCR	UA9MR	K8ZR	W4PM
K2UVV	DL4CW	UA9UCO	K9JU	W7AV
K4LQ	DL4KUG	UW7CN	K9PG	W7CB
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KE1IU	HB9AHL	W2TX	KN6J	WB3HLH
KJ4R	I8LWL	W3EKT	KQ1F	WC4H
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KM9E	IZ4MJP	W5TO	LZ1XZ	WR2G
KP4AA	JA0HXV	W7IUV	N0STL	WW5G
KX2A	JA4EVN	WA0IDK	N2AJ	YO2OXD
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LX1DA	JA7EPO	WS4Y	N6WM	YV4DYJ
N0RU	JA8OW	YO2IS	N8AG	
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N9SF	K0YN	AA3LX	NE1F	A41ZZ
OH3GD	K1EDG	AA4NU	NX2X	AA4AK
OK1DQT	K1PTF	AC5O	OA4TT	AB4VV
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OK3BRK	K2TK	D44BC	OH3TY	AG4Q
OZ7JZ	K3KG	DH2FW	OK1PGF	AI2S
PA0GMM	K4AQQ	DK9WI	OK2BOB	DJ6OI
R9GM	K4KAY	DL1KS	OK3EY	DL1TPY
RA0FA	K5ZO	DL3ANK	OK4MM	DL1TRK
RA4HT	K6DJ	DL5JS	ON4LG	DL9GTB
RK3QY	K7BHM	DM3ML	OZ5HP	DU7ET
RU3OW	K7UA	EA1WX	PA4WM	EA2AAZ
SM3CBR	K8BHZ	EU1TT	RA3AH	EA3ALD
SM6EHY	KB9DAK	G3ZFC	RA4P	EA8AXT
SM7BHH	KJ6NZ	G4FJK	RA4SD	EC5A
UA3PFN	KN4KL	GM3WTA	RB7GG	EI9E
US2WU	KW4BY	HB9NL	RK9F	ES5NC
UT2AB	KY6R	IV3GOW	RY6M	FM5GU
VA2ZO	LA3ANA	IV3KCB	SM2DMU	G0VXE
VA3IC	N5RZ	JA1VVX	SM7NDX	G3OIL
VE3EDY	NZ3M	JA2VMU	SP7JLH	G4CGG
VE3MFA	OH2EA	JA6TMU	SV1PL	GM3ZSP
VE3VV	OK1DTN	JA7SFD	UA0FDX	I2VGW
W0UVC	OK1JDX	JF1RPZ	UG6GAW	IK0HFO
W1CTN	OK3CSQ		UR7CQ	IK4MSV

IS0/YO3RA	NN4SS	YO9FLD
IW0BYL	NU1T	ZP9MCE
JA1BRK	OE5JDL	ZS2DL
JA1CPU	OH4UI	
JA4FSH	OK1DXD	
JA5DQH	OK2PAZ	
JA9CGW	ON4ANN	
JO4CFV	ON7EH	
K0FLY	ON7GB	
K0XM	ON9CC	
K1NA	OZ1ZD	
K1NZ	PA0INA	
K2CBI	PA7RA	
K2CYE	R3PJN	
K3TZV	R9JX	
K4FT	RA3SD	
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K4UQC	RA6XB	
K7VIC	RC2A	
K8BZ	RN1A	
K8CR	RT5A	
K8CS	RU3GF	
K8LE	S53MJ	
K9NZ	S59DJK	
KB0EL	S59SV	
KC0V	SV1VJ	
KC4D	SV2DSJ	
KC5LT	UA3AKI	
KD8BZY	UA4PAY	
KP4N	UA6CEY	
KQ5M	UN6P	
KS4XQ	UR4CW	
LA6UL	UR4LRG	
LA8W	UR8IDX	
LU5OM	US8UW	
LU5YF	VE1RGB	
LZ3YY	VE3OAT	
MM0SJH	VE7JKZ	
N0AH	VP2VA	
N1KI	VR2PX	
N1MD	W0GYH	
N2DPF	W0MU	
N2SG	W1AN	
N2XQM	W1YRC	
N3AF	W2CCC	
N4CRI	W3BBO	
N4ZR	W4HHN	
N7DED	W4OV	
N7TK	W5BK	
N8IL	W7DT	
N8NB	W8CNL	
N9ADG	W8FN	
NA6O	W8GDQ	
NA9Q	WB4SON	
NB3R	WU2M	
NG7A	YB1TJ	
NJ3I	YL2SM	