

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 19 Aug 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 Digital 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	W2VO	W5IZ	JA4LKB K1UO RU3DX YU1FW
341 EA8AK	324 EY8MM K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA N1DG PE5T S50U W1JR	309 I4EWH	302 DL4MCF SV8JE
340 K1ZM		314 IK4GME NX4D OG2M OK3GU OZ1LO RW2A UA4CR	308 IK4MGP IV3PRK K4SV K8GG UT3UA	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK
339 W4DR W4ZV	323 SP5EWY		307 DJ7MI N4RJ OH5VT VE3EJ	
335 OH2BU	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q	300 G3KMA I2ZFD JA4DND JA4LXY OE1WEU PA3FQA SM3EVR VA3EF
334 N4WW	321 WB9Z	312 OH1MA S54E	305 CT1EEB JA7NI K4ZW N4IS NN4T UA6A	299 K4TEA N1BUG SV1FJA UX1UA W7UT
333 R7LV	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I RA7A RZ3AM SP2FAX	304 DJ0MDR GM0GAV SM3GSK	298 9A2AJ DF2UU IK2DFZ JA2JPA OE6IMD OZ3PZ SM5CEU
332 UR0MC	319 N0XA SM4CAN UT5UGR			
331 K5UR LZ2DF UT7QF	318 4X4DK W9ZR			
330 AA1K HA0DU OH1XX R4GM	317 W3LPL	310 I4AVG RA3CQ SM5BFJ SM6CVX		
329 K3UL UA4HBW	316 K5RK OH3SR			
328 UA4CC				

297 DK5PR N4CC OM2XW RA3DX W0FLS	289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	OH3BU OK1AWZ VE2TZT	268 DL5DSM G3WPH K8PT RA3XDX SP9JZU W1MK
296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ	288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N		275 9A1CCY F5NBU I2AOX IK4CIE K2UO K4IQJ SP6AEG UW2ZM	267 LU8DPM RZ3DX
295 K3UA SV8CS		281 DF2PY HB9BIN JA2PJC K1CP S59Z W4TO	274 CT1EKY G3TXF JA8ISU K1ZZ KF2O W6UB	266 G4OBK NR1R R3LA W8TE W8XD
294 DL1AMQ JH2FXK LA5HE RJ3AA WD5COV	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	280 EA6NB SP6HEQ YO3APJ		265 AA4V AA6YQ AA7A EI7BA K4XP RW0LT SP5DIR SV8BHN W1GL YO5BRZ
293 JH4UYB N0TB S58T	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	
292 G4BWP IZ0AEG JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP		278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	264 IK2YCW K7ZV
291 9A7V I5NPH KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	285 G4CCZ UR5WA		271 EU7A G4GED JA5AUC OZ1CTK SM5KNV	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP
290 UA3AKO	284 K5XI SP3DV UX1AA	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT		262 G0DQS IK5HHA KR9U N5KD W1YY
	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW	270 AA1V LA3MHA OE5KE	261 9A4T DL9YX K2EK K5KC N6SS
			269 K6ND KD5M RV3LO W1ZC	

NO8D SP1S	AA1QD IV3YYK K5ESW S58Q UA1OMS W0YG	246 DJ2TI F2JD JF8QNF N6TR TF4M UR5EDX W2TQC W5XZ	240 EA6ET G8VR JA5MHD JR3GWZ K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	EA6VQ JH4ADV K3SWZ N6DX OK1CF R7DX VE3XN WA7NB WA7NS
260 EA5BM K1LT K4DY UT9FJ	252 EA1DR JA2VPO JF2MBF JG3QZN JQ3DUE JR3IIR ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 K0KT K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK UW5ZM	234 IZ8FFA JA0FSB K1AR K4UTE KF0QR PY1BVY S51DI
258 KW9A N2NL RN3CT VE3QAA	251 DJ7RD DL9RT JH0BBE N4II PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 AJ6T DL8WN IK0XEZ IZ1LBG JA0DAI RA0FF VO1HP W3LL	233 DJ5FI K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO
257 K1GUN K9NW N8TR W9YSX	250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG IK0MHR ON4ATW S57A SV8CKM W9RPM WX4G	237 AC4G DL7MAE IW1ARB NI0G OM4EX	232 EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL W1TSP W3DF	249 AB3CV AI9L K9RX SP5DRH	242 EA4KD KG7H	236 AB4I K1JO K5EK K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX
255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI	248 K3WW K5RX SM3VAC SV8GFW T77C W9NGA	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	235 CX6VM	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF
254 I1EIS N0AT OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN YO9HP			
253 5B4AGN				

W4VQ	SP8NR VA5DX W7KW	219 IK3VUU JA2FBY JA2FJP KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO
229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	224 MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ			
228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO UR5FEO ZS4TX	218 AD5A DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR N8PR N9BX SM0CCM	217 DM5EE JH1IFS K5PC ON6YH UA3AGW		
226 DL5WW I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	221 JA2WYN JJ3PRT K4MWB K8SIX N6VR W1ZK W6JRY WS6X	216 F6DAY JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS
225 A45XR JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK	220 AG8B DK2NG HB9LCW HL5IVL JF3KON JR4OZR KA1R N1LN VE3EXY	215 IZ8FWN JH0INP K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 EA1RT IK4DRR JA4DEN K3WA RU3SD WA5VGI	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW
			210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW WP4U	205 F6EXV I4KDJ JA3AAW KA9FOX

LA7HJA
W8UN
WB8ZRL

204

DJ5AV
EA5KA
F4BKV
IK7NXM
JA9NFO
K4JJW
K9US
KK4SI
LX2A
N4NX
N4QS
N7FU
SM2OAN
UA0SR
US6EX
W2HUV
WD8PKF
WF4U
WI8A

203

AA5AM
JA2XYO
JE1PNX
K4XO
K9MMS
KK2I
NK1K
OH1TV
PA0A
R6AF
W7DO
W8GC

202

DL1MGB
DL2KQ
DL9DRA
JA2JNA
JA3CSZ
JA5AQC
JH3VNC
JI2KXK
K2NV
K9YY
LY1G
N5ZM
N7KA
OK1DOT
R9TO
RA3S
UA9FAR

WA2HZO
ZL3IX

201

AG4W
CU2DX
DL1EJA
JF1PUW
JO7WXN
K3HP
W0MHK
W2IRT
W5TCX

200

G0OIL
JA1GTF
JH2RMU
K1GE
K1GG
LA5YJ
RW4NN
RW7M
UY0ZG
W0DD
W1NT
W3GG

199

DK2LO
G0BNR
HB9DDO
JA2DPC
K6GXO
KB8VAO
N4DW
W1TO
YO2DFA

198

DL1ROJ
G3UJE
G4BUE
I5KKW
IT9JNR
JA4PXC
RX3APM
W8HB

197

G3SNN
IK0FVC
JE1BMJ
JH2UVL
K8NVR
OE4PWW
OE5FIN

ON4CD
RZ6FA
UA0SC
UT5EL
W0FS
XE2X

196

4Z4DX
AA4HP
IK4PLW
JA3RAR
K8PO
KP2A
ND0N
RA9CMO
RZ4FO
W2FCR
W4UM

195

EA3JL
EA5RM
G3ZEM
JA0EOK
JA1EOD
JH1QAX
JN7FAH
K3PA
K7SO
K9RT
KF8UN
N1SV
W5ZG
W9OP

194

K4KDX
K9JF
KB9LIE
LA7AFA
SM7GIB
W2LO
W4FC
WD8JJA
WN6W

193

CT1IUA
DF2GH
DK1FW
DL5ZB
DL6ZXG
EA3WD
HA5BSW
JA1XEC
K4ODL

N5LZ
N9EN
PA0LOU
RN1ON
UA0CA
W9MU
WA2VYA

192

9A2NA
JA7JWF
JH1RFR
K3FN
K4FJ
K5XX
K7GM
K9EU
KF7PG
N4DB
OH2IS
W3UA
W3YQ
W8LGJ

191

CT3MD
JA1ANR
K0JGH
K8FC
K9LA
NE1B
RK2FWA

190

IZ8XQC
JA1DUH
JA1MCU
K0BBC
K2TE
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KM1D
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N5GH
SP2LNW
VE7VV
WE9R

189

9A2F
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JA0VSH
SP7HOV
UA7T

188

AA1ON

AB4IQ
CT1FMX
JA1KQX
KB0EO
KB1EFS
KE9ET
KL0S
N8LJ
RM0F
SM0NJO
W6SR
W8JV
WA3C
WA6YEE

187

AJ1H
K0SR
K6SRZ
KN5O
LA0FA
N2NS
OK1CZ
W7AWA

186

9A8A
IK2QPR
JA8DNV
K0BJ
K7LAY
W1YM
YL2TW

185

AB6QM
CT1EAV
EA6BF
G3KWK
IK3SWB
JA2LCP
K5ZD
LA3WAA
N4TJ
N5UR
OE2BZL
SP3FAR
SV1DPI
UA9CBO

184

HA5WA
JA2ZL
JF1NZW
K4HGX
K5KLA
KB4ET

S57AC US8UA W2YJ	K8WK N2PK OK1MG S57UN SM4DDE SV3FUP W8KEN	LA5LJA N7IR N7XR PE1L SP1MGM TF3SG VE3FF W8HC WX0V	171 AA9D DL6KR G0EHO HA9PP JA6HUG JR1TNE K1NU KI5BLU N0RN N4OGW N7RO N9RC RA3DNC SV1LK UN9L WA9PIE	PA7F SP5GH W4SVO W6VX W8OI WA0MHJ WA5YNB
183 IT9INO K4CN K8RRT K8VC N9MB NN2L ON6SAS W2FP W8NW	178 4Z5CX EA3CJ JA4MRL K2UR NE0U SM7DLK SV1JG W6NWS W7MEM ZS1LS	174 4Z5MU JA0GJJ JA1PPW JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K1KI K2KA K3AJ K4TR K4WS N1EN OE1WHC RN7F UA3LNM W8UV W8VVG WT8C	170 DJ6TK JA6JPS JE3ENP JF1WPB JM1GYQ K6ZZ N4PY SP3GTS SV3KH W3IP W9EVI WA3AFS	167 DK5AD EC3A EI6FR JA6VQA K6KO K8NK K9MBQ N0IJ N3BNA OH2BLD PA3C RA1AOB RN9N S51EC W1YW WA4LOX WC5N
182 DJ9ON DK3UA HK3W JA1SHE JA3ENN N3OC UR3EO	177 9H1SP AE5E CT1GFK IK4ADE K3WC K4RG K9NU SM6DHU W2OR W5LT W7FI WB7B	173 5B4ALJ I1JQJ JG0CQK K1NTR K4XR K9YC KA1J N5FG PY5EW	169 IK0PEA JA1ADT JE2LPC JR1IZM K1LI N4XX N7US UT8MM UY5AA W6RW W7Yaq WB3JFS	166 4Z1UF DJ4SO HB9FMN IV3TDM JA1FNA JA9LJS K1KA K3KY K4JLD K4PB K4WA K4ZYU RM3DA W0DJC W1RR W8ILC WA8TXT
181 DK3WW JA2BDR JA9TWN JN4MMO K2EP LZ2ZG VE3OSZ W9AJ	176 EU1AB G0BLB I6FLD JA0DET JA5IU JA6BJV JA8KSF JL1SAM K8MN N5OK OK1DWC RL3FA SM5FUG W4BP W4GD YO7NE	172 EA7TV G3NKC IZ5MOQ JA3FGJ JG3IWL K0DEQ K1BD K6FG KJ0M VE6WQ W3JX W4FQT WC4X	168 G3MXJ IK2EGL JE7JDL JF2UPM K4XD K5QY K8RYU KR4F N4QQ N8BJQ	165 DL7UCX F6HDH I2ZGC IK0AGU JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN
180 CT1FPQ DM2DXA DM3VL EA8JF JE2URF K6SSS K7BG LA9AJA N1RR N4AH ON5FP UT2UB W1RM W7BEM W8TN	175 JA1CHN JS3CTQ K4DLI K5GKC			
179 IT9ELD IW0SAF JA9NLE JR7BDQ K0TT				

NY0V	K5GO	W2XL	154	CU2AP
RC9F	K8ND	W3GQ	3V8SF	DK2OY
SM4CTT	LB2TB	W4QN	GM3PPE	EI9JF
SP6EQZ	N4GN		HB9BUN	F3SG
W5BN	OH6RA	157	JA8NFV	HB9SLO
	VK3HJ	AA4H	JL1RUC	JA2VQF
164	YU2TW	AC6DD	JR3OEH	JA6BEE
GU4YOX		DL6MRS	K0KVR	JH1NYM
HA7UW	160	EA5BY	KR2Q	JR1XIS
HB9BZA	AD5Q	G3TQZ	NX8Y	K2AX
JA1RTX	DK1WB	G4GIR	W1NA	K2FW
JA7ZP	DL1DA	JA1GHH	W5DNT	KD0PO
JH2SON	IK0FUX	JH2QMT	WB0TEV	N5JB
K1NJ	IW2FND	JH7IAJ	YS1RR	OK1ATP
N5WA	JA2EPW	LY5A		RD3A
RA3ZH	JE2DZC	N5MOA	153	RU3A
RN3OG	JE2OVG	NE9Z	AA6AA	S54A
SV2AEL	JF2XGF	RU4UR	AJ9C	SP7AWG
W4DKS	JR7MAZ	SM3PHM	DF2RG	SV9AHZ
W4NS*	K3MSB	SV8ZS	DL3ZA	W7CT
WW3S	K3RA	W2TA	G3TJW	W7RH
	NR4M	W5GZ	HL2CFY	WA1Z
163	RU6L	WS7L	IZ3ENH	WA2BCK
9A2JK	UA0FZ	YV2IF	JF1IRW	WP4G
DJ9HX	UX5UO		JR9OPJ	
JE2LUN	W1BR	156	K7SP	150
JH4CPC	W5XC	AB9V	K8VFX	EA1AF
K7NN	W9RN	DL4MM	LZ1PM	IV3RAV
K8TL	WX0B	IZ8IEV	N4TV	JA1SVP
OK2QA		JE3GRQ	N5TW	JA2NQG
UR4CWQ	159	JO7HAM	N8II	K0RS
VE3CFK	JA4FKX	K0QC	R9OK	K5TR
W7AL	JH6QFJ	K8YSE	SM6CLU	K7LV
	K4RO	KS1J	SP5CCC	K8AJS
162	OK2ZV	N3RC	UT5UY	KU4XO
4O3A	UN7JX	N3UA	WB8BPU	N3QE
9A4W	W3HKK	N7WS		N9CO
F3AT	W6BJH	OE5RLM	152	OE8SPW
HB9TKS	W7SX	UA3SAQ	EW2A	SQ5EBM
IZ4DPV	WD5BJT	VA3LX	JT1CO	SV1CNS
JA6GIJ		W1YIF	K9MK	UA6YW
JR5JAQ	158	W4TV	KQ4AV	W2/CT1GIF
LB6KC	DJ4PT		KS3F	W6DAO
N8MR	DL1FKA	155	N9OY	WW2DX
RW3RN	IT9DSZ	CT1FCX	S55ZZ	
W0HT	JA9APS	DL1RK	UA6IGI	149
W0TT	JH1TWT	DL4SZB	UN7LZ	DL7CX
W1LW	J11FXS	HB0CC	UT5AB	HB9HFN
W8WEJ	J11NJC	K2LS	VE6LB	IK4FNF
	JR1GJP	NE0DX	W1SKU	JL1ARF
161	K5TT	NW7E	W1VT	K3TN
DK2GZ	K9GA	SM6VR	W6RLL	K4YYL
DL6RAI	OZ1HX	W2XI	W7AJ	K8ME
HB9DHK	RU6M	WE1P	WB3CQM	K8ROX
JA1DOF	SM4EMO	ZS6EZ		R8TX
JH4ALY	W0SZ		151	SM6CUK
K1USA	W1OX		AA7G	UW7UA

W0GG	JK1AJX	WD9DZV	OH6NIO	GM3YOR
W7HPW	JN1BMX		ON7DR	HB9CQK
WB8B	K1OA	142	UN1L	HB9RYZ
WD5K	K3VAT	I5HOR	VE6SV	IZ2FOS
WS5W	K4OY	IT9BLB	W0SEI	JA3APU
YO3DDZ	K8BL	JA2ATE	W4NU	JA4OK
	KF6HI	JH0BQX	W7IV	JH4JNG
148	N1CGP	JR7WFC	W8LWU	K2QMF
DK2CC	N4GG	K3PP	WO2T	K8NS
F5CQ	NA5C	K4WZ	YL2MU	LA9GX
F5LVL	RT0F	K6EME	YO9FNP	RA3CO
F5PAC	SM3DTR	KK1W		RG7G
G4FTC		LA9VFA	139	UU1JA
JH1QDB	144	MM0SAJ	DF7EE	W1ITU
K5VWW	CU3EQ	N2ZN	DJ4XA	W5ODD
LA6OP	DL5CW	N7QT	DL5EBE	WB5JID
N2WB	DL5KUA	NA4D	DL8OH	
N5XZ	E70T	NQ7R	DS1JFY	136
NE3F	EI6IZ	NY2NY	JA1TMG	E72U
W5FKX	GM3ITN	OK1DO	K3ANS	ER0FEO
W9JJB	HB9BYQ	W2OO	K6AM	HB9IQB
	I5MXX	W5LUA	K8GI	IK8CNT
147	IT9GSF	W5VQ	K8RF	JH4HMG
EA3GP	IV3DXW	WA5POK	KA8SYV	K0TV
IV3VBM	IZ4GWE	WB8CQV	KU0A	K4ZO
JA1XQC	JA3GN		LA8WG	K7TM
K7HP	JE1FQV	141	OK1MP*	KR6C
K8UT	K0VSH	AC9S	SM5CBM	NA5DX
KM1H	KJ9C	DL5MHQ	SV8ZC	OK1DW
N1IBM	N1IX	EW1BA	W0SD	SM5OJH
PC3T	N3KK	HB9FMT	WA8WV	SP2BMX
W1OP	SM4OLL	JA1PTJ		UT3UZ
W2KKZ	SM5CLE	JA9RRH	138	UW8SM
	W4GE	JH1HHC	DK8MCT	W2OIB
146	W5ADD	J11DCW	DK8YY	WB7QXU
EU4A	W7ZI	JL1UXH	EI9FBB	
JA1HQG	W8RLS	JR2LJO	F6DDR	135
JA4DHN	WC5M	K2RW	IK8EPC	5B4MF
JA5XAE	WD5T	N8OC	JA3OOK	DJ9ZB
JH1GNU	YO3CD	NJ3K	JF3LOP	F6FXU
K1CA		OE6VIE	JH7RXU	IK8GYS
K5KV	143	SV3FUO	K1RO	IU0HDC
K5SM	DL1DUO	W2CG	K2RET	JA7LMZ
K6NR	DL6EN	W3BW	KJ6P	JA8BNP
K7WP	HS0ZEE	W4JVN	LB5WB	JA8JL
N7BT	K7CMZ	W4VIC	ON6AA	K1ZE
RU0SN	K7CW	W4WT	OZ8X	K4ZRJ
W1IZL	N2RJ	W8GNM	RW4CY	K7FL
W1ZT	N2WM	W8HW	UN7JID	K7XB
	N5UW	ZS1C	V51B	NZ9R
145	N6PAT		W1GD	R7LP
AF4HX	N6PSE	140	W2YE	RN3RQ
HI3T	NN4R	9A1CAL	W4YV	SM3LGO
I0JBL	OH1JP	K5WK	W7OM	SM5CZK
IZ0RVI	W0IZ	K6KLY		SP3XR
JE6TSP	W6QUV	KF8DX	137	SV5DKL
JJ3HGJ	WB8ZRV	N4XP	EA1YO	W1DIG

W1EQ	K6YUI	K2MYR	S53X	PA5TT
W2GD	K9ZM	K3NK	S55DX	VE3CX
W4BUW	N6HY	K6SIK	SM3GQP	VE7BV
W4MBD	OZ2RH	K7LFY	SV3DCX	W8LMG
W4RFZ	SM4BZH	K8BCK	US8UW	W8MK
W6JTI	SM6BGG	K9GL	VQ9LA	W8REW
WE4S	SP6M	KO8SCA	W2WC	W9ILY
	VE3CRG	NA4EA	W4IS	WB0O
134	W4AXL	NO9E	W6RKC	WB2REM
CT3HF	W4RBO	OZ2ABI	ZS6UT	WD4LBR
IK4DCS	W4WM	PY5EG		YU1EXY
JA7LGE	W5SL	R3VA	127	
K1TO	W6DR	R5QA	CT3KN	125
K1ZN	W7AH	R9AB	HK1MW	9A1AD
K3OX	W7CD	RU1AO	IK2SGB	AG1A
KX4TT	W9FR	S51NM	JA1DDH	GW3TMP
N9MR*	WB3D	TA1CM	JA1WLO	HK4SAN
N9RS	XE2S	VE3DO	JA8RJE	IK5DNF
OE1TKW		W2MPK	JA9KRO	JA4IYL
PY5HOT	131	W9ZT	JH3AIU	JA6VU
RG6G	DK7YY		JS2LHI	JE1TSD
RX4HW	G3UHU	129	K0RW	JE6UWU
SM0BYD	HS1NGR	HA1RB	K3TRM	JF2WXS
SP6JIU	IV3KFB	HB9AZZ	KM3T	JH1AGU
UA0ACG	JA0AOO	JA1NWD	N1AC	K1HAP
W4JKC	JA2TBS	JA8JO	N1GC	K5KG
YU1AM	JH4ADK	K4TT	N9RD	K8DV
	JJ1TEA	K6XM	OE8HIK	KA6BIM
133	JM1FHL	LB7ZG	PA3EWP	KI4WCQ
9K2NO	K1UU	N0YY	SK7AX	LZ1XL
EU1U	K5VIP	N2BJ	SP6A	N2KA
IZ8DFO	K9DR	N3KS	SP7ASZ	N3EN
JA7GLB	KC2LSD	N3RR	W0CP	N4JT
JA9AGN	KH2L	W0YVA	W0RT	ND5S
JR6FC	KM3V	W7QHE	W1OPD	NW6S
JR7FRW	KM4H	W8MET	W3BG	OE1AZS
K2CDJ	N3MK		W3FOX	RA0BA
KS4YT	N4QWZ	128	W3MF	UU7JM
KU2A	N5PHT	AA4SC	XE1KK	VE3UTT
OE1KM	N6RK	DM2RM		W5DAW
ON4CAS	ON4ON	IT9ZZO	126	W9CG*
RA5BM	R0SR	JA2AHH	DJ8WD	WV4TN
RV4LC	R9MJ	JA2KSP	DL9FCY	YO2RR
UQ2PZ	R9SA	JA9AA	F8BPN	
VE3WT	W8DCH	JE1LFX	G4IUF	124
W0NFL	ZS1A	JH4GJR	IZ7EVZ	AA7XT
W2QO		K0FF	JA1XCZ	JI1DHY
W5AJ	130	K3XA	JA7KY	KD4POJ
	DF9ZW	K4JAF	JH3CUL	NA2U
132	E73M	K4SE	JJ1DWT	PA0TCA
AA4NC	EI2JD	K6LPO	JN1RQV	UA0BA
AB9M	G7VJR	KG7CW	K2ZD	VA7CRZ
AD6W	HK0HEU	KM4NS	K4JKB	VE1DUN
IK3VBB	IK3XJP	N5KM	K4XU	W2JU
IT9RDG	JA2FBC	OH1ZK	N8NA	W2RIJ
JA2KVD	JG1DUZ	OZ1IKY	OE3SGU	W3FM
JA6CBG	JI4POR	R9SG	OK3CQD	W6CYX

123	UU4JMG	N4LR	XE1RCS	N4IR
AB1OC	VE6AX	N4TB		N8AA
AC4TO	W2TB	N4UFP	118	N8XI
DL7JRD	WA3I	N8PW	5T5PA	NY4G
F4GTB	WA7BNG	OE3EVA	AB2E	OZ5HP
G4WFFQ		OZ2A	DL5OCE	SM7BIC
G5LP	121	PZ5RA	JA4FHE	SP8HKT
HB0WR	AA6RR	RL3BZ	J18DGO	UA6J
IK2CHZ	DF1DB	SP7ITB	JN7DOS	UB3A
JA0CRG	DK1EI	SV1FKZ	K3WGR	UR9IDX
JA1SJV	DK6CQ	SV1IW	K4CNW	US1CT
JA3MHA	EI2GLB	UR5IKN	K5XM	W4ZRZ
JA6WJL	HB9DHG	US0YA	K7PI	W6SL
J14WAO	JA2HYD	W0RX	K8LN	W8ZR
JK1EXO	KD8RQE	W2YR	K8WVA	WA2USA
JR1EBE	KG9Z	W3OA	KD2T	
K2PK	N0OK	W4PRO	KD6UO	116
K3XO	N1JP	W6RFL	KG8CW	AJ4F
K4ZIN	N3ND	W7RN	KV4AA	DL7URH
K5GH	N4TL	ZL4AS	LZ2HM	EA5BRE
K7UT	N6HC		N2MM	HA7PF
K9CS	SV1AHX	119	N4DJ	IK0EIE
KV4T	UQ1GWW	AA3AZ	N6MB	IK2OHG
N2ED	UT4EO	AA4DD	PY2PA	IT9TQH
N4DWK	UU2JQ	AE3T	RN3TT	IV3HYD
N6MZ	VA3AYA	AJ4A	SV9COL	JA1WTI
N9JV	W0QQ	DK3GG	TA2RC	JE2EHP
N9LQ	W2GG	DL9OBY	VK4CAG	JH3GCN
NA2P	W3RJW	EW4M	W1KSZ	K1DC
NA9RB	W6XI	G4DJJ	W4DAO	K1RI
S50B	W9XX	HB9AAQ	W4NJ	K9FN
UA3DK	W9YE	HB9BCI	W5JMW	KT1V
UR9QQ	WA1PMA	I2TZK	W9FI	KV1J
UT3QU	WT4Q	I4MKN	WX3P	NA9Q
W1AO	WY1G	IU0LFQ	YO4AUL	OZ1LCG
W4NF	XE1VIC	JA3AZD		PA0JSE
W8NJR		JA4XGC	117	RV3ID
WB8K	120	JE2JMV	9Y4VU	TZ4AM
XE1H	9A5F	JH6CDI	AA8CH	UA4PCM
	AA5JF	K3FRK	AE0P	W1ENE
122	AC9EM	K5UZ	BH4IGO	W1WEF
BA4RF	AL7TC	K7EG	DL1DWT	W7GG
G3NDC	DL2VWR	K8KWT	G3PLP	W7OEV
JA1MRM	FG5FR	K9SG	IT9AAI	W8LRO
K1BZ	HB9BLQ	N0KV	IT9DAA	WQ5L
K1ESE	IZ0LKV	N9UA	JA1HQT	
K1YT	IZ5NFD	NT2A	JA4FM	115
K2MP	JA4EPE	NY7T	JA5FDJ	C6AGU
K7ZA	JR3UIC	OH5NG	JA7GYP	CU2CE
KR0P	JR6LLN	OK1DT	JA7IC	DL9GOA
LA7WCA	K2BA	R6FFB	JM3GXU	G4XEE
LA8PT	K2HK	SV1ACK	JR2UBS	G8BCG
N3NR	K3QIA	VE3YF	K2BB	G8DX
N9AW	K5JC	W4HZ	K3NF	HA5UK
NN7X	K6FW	W8FIB	K6PJ	HK3PJ
OZ3Y	KA8ZPE	WC2K	K8OOK	IW0HEX
RD4A	N4BAF	WP3R	K8QM	IZ7JVR

JA2KNW	W5VY	112	DG7RO	IZ0CKJ
JA3NHL	WA1FCN	A92IO	DK2WH	J68HZ
JG3LGD	WA4CEM	DJ1RL	DK6ED	JA7EPO
JH1RFM	WA8MCD	DK5RL	DL1HRN	JE2UFF
K0GD	WA9YYY	DL5CL	EV1R	JH1VHU
K0SD	WN9O	EA1JO	F6ECI	K2BLA
K4CMS	XE3ARV	EI8IU	G4DBN	K3JRR
K4GHS		EW1DO	HL3GOB	K3PH
K4GK	113	G3XGC	JA1AUD	K4WW
K8YTO	9A1A	HB9CEX	JA1FGB	K6MI
LY4T	DJ5DT	HB9CRV	JA1NCZ	K6VKO
N0IRM	DJ9RR	HB9G	JE8TGI	KB4MRX
N4OA	DL8CM	IK2ANI	JF2WGN	KC2STA
N5BO	DL8DYL	IU8FRE	K0FLY	N2CG
N8KOL	G4AFJ	IZ4DIW	K5WAF	N3HBX
PA3AXU	HB9EFK	JA1SXR	K7ORK	N3IQ
RZ6MJ	JA0GCI	JA4BXL	K9AJ	N3JB
UA1ANA	JA4ITW	JA7BXS	KM1R	N4KE
UA1CGS	JH1ORA	JR7TEQ	KP4AA	NC6K
UA6XT	K0TPP	K0JPL	KZ0X	NK7C
UN6T	K2HAT	K1EDG	LA0CX	NY4I
W4UCK	K8SL	K1EO	N4WJ	RD9M
YL2CZ	K9GWH	K1KO	N7BD	SM5BHW
	KA4RRU	K4UAS	N9HF	SP9WZS
114	KH6DX	K8CC	NA1DX	SV1VS
AB4GE	KI0G	KB2FCV	UR6QA	UA3O
BA4DW	KT1J	KI4DLS	UT1UY	US7MM
BA7IO	N7KO	KM1C	VE6KC	W0UY
CT3FN	N9ISN	LA8HGA	VE7CT	W3XY
CU3AK	NA3F	N5ZC	VE7UF	W4DC
DL6NB	NG0G	N6MA	W0VHF	W4NE
F6CWA	NI5F	N6PE	W1FO	W5ZPA
G3SDL	NK5B	RU4SU	W4HOG	W6KK
HP3TA	ON5UE	SM3DMP	W4OX	WL7E
I5OYY	R7NA	UA1ACG	W5AQ	XE1FAS
IK7YZG	RA4UN	UA1CEI	W7VS	YU7AU
JA1OVD	RZ3AUL	UT6UD	W8KA	ZL3NW
JA4KDT	SM5ARL	VE7XF	W8MIL	
JA5WIZ	SP3EPG	W1HEO	W9RB	109
JH6WMJ	SV1JFV	W2CVW	WA2BOT	DF1KG
K1RV	SV2AVP	W2SKI	WA2MUA	EA3GHZ
K2DC	UN7TW	W3UL	WB4TDH	EU4T
K3MD	VE3KI	W4VHF	WB9EEE	F8EZE
K3OSX	W2GW	W5VX	YL3DQ	G3SVD
K5CD	W6BK	W6TC	YO6HOY	JA2CXF
K5RJ	W8FAX	W8GEX		K2ONP
KB8U	W9DX	W8HMK	110	K4RDU
KZ4V	W9HBH	W9SE	BA4MY	K5FZ
N1QY	W9VNE	WA8OLN	DL1VDL	K5KA
N2JJ	WA4DOU	WT9U	EA5BYP	K5KPE
N3MN	WB2HJV	ZP6CW	F5BAR	K6MW
N4IQ	WB2UFF		G3LNS	KE1F
NU8Z	WS4C	111	G8AJM	KZ5DX
UA3FT	XE1RBV	9K2OD	HC1BI	N1BZ
W0VX	ZL1BYZ	AA4U	I2BBJ	N2WLG
W3MR		AF4OX	IK5RUN	N7TY
W4TUN		CU3AN	IK8UHA	N8NN

ND4V	W2UB	SP6AXW	OH2OT	N4SC
NN4RR	W3NRJ	US5CB	OK1AYU	N4VN
NU4I	W4ZYT	VE3OI	OK2BVG	N6NU
NX7U	W7ACD	VK3NX	S57AL	N7DR
PY5CC	WA2ALY	W3KB	UR3CRO	ND3L
RW4UU	WA8MOA	W4MAY	UT7UU	ON7PQ
RW9QA	WB8BZK	W6TDX	UU5WW	OZ4AAL
RX3AGD	WC1M	W8IW	V73AZ	PF7M
TG9NX	WC6DX	W8VK	VQ9SS	PJ2/K8ND
UB5ZAL	WD9EQU	W9CPV	W1CWU	PY2DS
UT7KF	WW1WW	WA0RVK	W2EQ	R6YY
VU2CPL		WB6CJT	W2LE	RA6AF
W5WP	107	WB8ART	W2NO	RD4WM
WB5TUF	4Z5LA	WS1L	W3ICM	SP5JXK
WN0L	DJ8ES	XE2YWH	W4IR	UA6LCN
YV3AGT	DK3FB	YL1XZ	W5JAY	UR1RWX
	DL1QQ	ZL3RJ	W8OP	UR2RGN
	DL2CHN		WA4MYO	VE1PZ
108	DL5XU	106	WA6TLA	VR2MY
AI2Q	DO4DXA	AA4FL	YL2GN	VY2ZM
AL7R	EA5AT	AE2U	YU3EF	W1LE
DL6CNG	EA7QW	DJ6OZ		W1LY
ER1LW	FG8OJ	DL2NOM	105	W4OWY
G3VAO	G4AKY	DL3JSW	DF2PI	W5KI
HB9BAT	G4RGK	DL6JZ	DF8AA	W6FF
HB9FAN	HI8R	EA3CCN	DJ3XD	WQ5W
IK0PRG	I5IHE	HA8DZ	DJ6KH	YU1NR
IZ0BTV	IT9XTP	IK0ZIO	DL4ZAB	
IZ2EWR	JA5EY	IW3GJF	DL6XK	104
JA2MOG	JA6OXT	JA1VLK	DO1CTL	9M2AX
JJ2PIK	JA8JTH	JA2MNB	ES1GO	AD1C
JK1MZT	JH9DRL	JE6IGP	G3YUV	AG4Q
K1EP	JR1BAS	JG3HBO	HA8FW	AH0U
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K2KQ	K3SW	JH6PFY	JA4EVN	DK3BK
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K4WY	K4MS	JR0EQQ	JA7BME	DL7UPN
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K6UT	K8LBT	K1PX	JA9APM	EA8ZS
K8OM	K8ZR	K4DSE	JF1RYU	EI9E
KM8AM	KB9DAK	K5AM	JF2VAX	F6AJA
KN4JX	KE2R	K5ZQ	JO4CFV	F8GB
LU2DKT	KZ1W	K8JJC	K1DJ	G3BRD
LZ3YY	N2RR	KD9HL	K2XF	HB9CIP
N4MEC	N3DAP	KK8X	K5AV	HK3O
N6RFM	N4RF	KK9H	K7OX	IK0DWN
N9SF	N6EE	KQ3F	K7PO	JA1SDV
N9TF	N8AGU	N0JZ	K9RO	JA2FGL
NU4Y	NA5Q	N2CW	KI5T	JF1EGO
PA0ZH	OE1CP	N2SQW	KT2E	JF6WTY
R5FY	OK2BUZ	N3XM	KX2A	JK1BSM
R7LA	OK3CQR	N8AID	LZ1JZ	JO1WXS
RX6DX	R0FA	NA5Z	N2DPF	K0WK
S57J	RN4AA	NI5M	N4JI	K1BG
SM6AOU	RV6ARZ	NS3L	N4NW	K3FM
UX7UN	SP3BQD	OE5CSP	N4PL	K4KEW
UZ6LWZ				

K4MF	DJ7PI	VE3MFA	PV8ABC	JA2VMU
K4VIG	DL2HX	VE3VV	PY2DO	JA6TMU
K5HK	DL8YRM	W0QC	R2AB	JA7SFD
K6UM	DM5TI	W0UVC	R3IS	JF1RPZ
K7TJR	DS3HWS	W1CTN	RU3UN	JH3HGH
K9EA	EA7SG	W4AVY	S59DJK	JH3PRR
KA2BZS	EU6MM	W4MZ	SM6WET	J13KDH
KH6KG/W5	EW3LB	W5THT	SP5MXZ	K0LW
KI0KB	G3BDQ	W5VU	T77V	K1YR
KW0A	G4AAW	W6SZN	UA1AIR	K2BX
LZ2XF	G4PUQ	YO7APA	UA1CKC	K2TER
N3ER	G4VGO		UA6HOF	K3SEW
N3TR	I0OSI	102	UA9MR	K4NNX
N4GU	JA1JAT	A6/RV6LNA	UA9UCO	K5DNL
N4TTE	JA2GQO	CT4BD	UW7CN	K6AAW
N6PF	JA2OLJ	DK3QM	VE2FYR	K6XJ
N6WM	JA3FHL	DL3DXX	W0JMP	K7AR
N8MZ	JA8EJO	DL3NCR	W1AW	K7IA
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N9PGG	JH1DGQ	DL4KUG	W1PV	K9JU
NJ9C	JM2RUV	DL5RDI	W2LW	K9PG
NN3Q	K0EOO	EA8AKN	W2TX	KC4PX
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SO5AS	KJ4R	IZ4MJP	WW5G	LA6UL
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UY0MM	N9BBQ	K2TK	AA3LX	N9JCS
VE3VHB	NU1T	K3KG	AA4NU	NE1F
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W5ZO	RA0FA	K8BHZ	DL1KS	OK3EY
W6PH	RA4HT	KJ6NZ	DL3ANK	OK4MM
W7DR	RK3QY	KN4KL	DL5JS	ON4LG
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YC0LOW	SM6EHY	LA3ANA	EU1TT	RA4P
YO5ODE	SM7BHH	N5RZ	G3ZFC	RA4SD
	UA3PFN	NZ3M	G4FJK	RB7GG
103	US2WU	OH2EA	GM3WTA	RK9F
AG1I	UT2AB	OK1DTN	HB9NL	RY6M
AI3Q	VA2ZO	OK1JDX	IV3GOW	SM2DMU
DJ1MM	VA3IC	OK3CSQ	IV3KCB	SM7NDX
DJ3GZ	VE3EDY	PA7TWO	JA1VVX	SP7JLH

SV1PL	IK0HFO	NA6O	WB4SON
UA0FDX	IK4MSV	NB3R	WU2M
UG6GAW	IS0/YO3RA	NG7A	YB1TJ
UR7CQ	IW0BYL	NJ3I	YL2SM
UT1CC	IW0HQE	NN4SS	YO9FLD
UT4IS	JA1BRK	OE5JDL	ZP9MCE
UT7HA	JA1CPU	OK1DXD	ZS2DL
VE2OJ	JA1ILA	OK2PAZ	
VE3XB	JA4FSH	ON4ANN	
VK2GR	JA5DQH	ON7EH	
W1FC	JA9CGW	ON7GB	
W1GF	JF3DRI	ON9CC	
W2SF	JH7BKN	OZ1ZD	
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W4PM	K0XM	R3PJN	
W5RF	K1NA	R9JX	
W7AV	K1NZ	RA3SD	
W7CB	K2CBI	RA4LW	
W8GB	K2CYE	RA6XB	
W9MAF	K3TZV	RC2A	
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WB3HLH	K4QS	RU3GF	
WC4H	K4UQC	S53MJ	
WK9U	K7VIC	S59SV	
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YO2OXD	K8CS	SV2DSJ	
YO6BHN	K8LE	TI5CDA	
YV4DYJ	K9NZ	UA3AKI	
	KB0EL	UA4PAY	
100	KC0V	UA6CEY	
9M6YBG	KC4D	UN6P	
A41ZZ	KC5LT	UR4CW	
AA4AK	KD8BZY	UR4LRG	
AB4VV	KP4N	UR8IDX	
AC4VM	KQ5M	VE1RGB	
AI2S	LA8W	VE3OAT	
DJ6OI	LU5OM	VE7JKZ	
DL1TPY	LU5YF	VP2VA	
DL1TRK	MM0SJH	VR2PX	
DL9GTB	N0AH	W0GYH	
DU7ET	N0ATQ	W0MU	
EA1CP	N1KI	W1AN	
EA2AAZ	N1MD	W1YRC	
EA3ALD	N2SG	W2CCC	
EA8AXT	N2XQM	W3BBO	
EC5A	N3AF	W4HHN	
EI3ISB	N4CRI	W4OEP	
ES5NC	N4ZR	W4OV	
FM5GU	N7DED	W5BK	
G0VXE	N7TK	W7DT	
G3OIL	N8IL	W7JET	
G4CGG	N8NB	W8CNL	
GM3ZSP	N8OQ	W8FN	
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