

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 05 Feb 2026, 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 EY8MM K9UWA UA2FF	N1DG OH3SR W2VO	SM6CVX W5IZ	GM3YTS JA1BK JA4LKB K1UO RU3DX
341 EA8AK	324 K2TQC K4PI OH2BO S50A W1NG	315 PE5T S50U W1JR	309 IK4MGP	302 N3XX SV8JE
340 K1ZM	323 SP5EWY	314 IK4GME NX4D OG2M OK3GU OZ1LO RW2A UA4CR	308 IV3PRK K4SV K8GG N4RJ UT3UA	301 DL9KR F6BKI LZ2JE N1RJ PA3FQA SM3EVR SP3EPK SV8CS
339 W4DR W4ZV	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	307 DJ7MI OH5VT VE3EJ	300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU VA3EF
335 OH2BU R7LV	321 WB9Z	312 OH1MA S54E	306 DL4MCF EA6SX K4CIA SM0AJU WT3Q YU1FW	299 K4TEA N1BUG SV1FJA UX1UA W7UT
334 N4WW	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I RA7A RZ3AM SP2FAX	305 CT1EEB JA7NI K4ZW N4IS NN4T SM3GSK UA6A	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ
332 UR0MC	319 N0XA SM4CAN UT5UGR W9ZR	310 I4AVG I4EWH RA3CQ SM5BFJ	304 DJ0MDR GM3GAV	
331 K5UR LZ2DF UT7QF	318 4X4DK			
330 AA1K HA0DU OH1XX R4GM	317 W3LPL			
329 K3UL UA4HBW	316 IK4WMA K5RK			
328 UA4CC				

RA3DX SM5CEU	290 UA3AKO UT1UY	NA0Y NO3M R3OK SM6DHF	OH3BU ON7TK	SV8BHN
297 DK5PR N4CC OM2XW W0FLS	289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX US5WE	282 DL1YD HB9BIN I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	276 F6GCP G3LZQ N8RR OK1AWZ VE2TZT	269 K6ND W1ZC
296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ	288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY W0JX WK3N	281 DF2PY IK4DRY JA2PJC K1CP S59Z W4TO	275 9A1CCY F5NBU I2AOX IK4CIE K2UO K4IQJ KF2O SP6AEG UW2ZM	268 DL5DSM G3WPH K8PT RA3XDX W1MK
295 K3UA WD5COV	287 DL1RWN G3XTT N2QT RK4FD UR5WA VA3DX W4PK	280 EA6NB KG4W N9IW RV3LO SP6HEQ YO3APJ	274 CT1EKY G3TXF JA8ISU MD0CCE W6UB	267 G4OBK LU8DPM RW0LT RZ3DX SP5DIR W1GL
294 DL1AMQ JH2FXK JR2KDN LA5HE N0TB RJ3AA	286 DJ2YA K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 F6AOJ JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC K2CL K5BG RA3DA SM6CCO UA3DPM	266 K1QX NR1R R3LA W8TE W8XD
293 IK1GPG JH4UYB S58T SM3NRY	285 G4CCZ K5XI	278 DK0EE F6BEE HB9AMO JA3FYC K5DU RU3FM SP9DWT	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	265 AA4V* AA6YQ AA7A EA5BM EI7BA K4XP YO5BRZ
292 G4BWP IZ0AEG OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W5ZN W8TOP	284 IK6DLK NJ6P SP3DV UX1AA	277 AA4MM DJ9VA DK5WL IK5BAF K1ZZ	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV SP9JZU	264 IK2YCW IK5HHA K7ZV N3NT R5AJ
291 9A7V I5NPH KD9SV R7NW SM6CMU SP3E UA3LAR UT7UJ	283 DL7VEE JA5EXW JH4IFF K4SO N7NR		270 AA1V KD5M LA3MHA OE5KE	263 IZ1ANU K9OW KX4R LA5IIA W2SM W3AP
				262 G0DQS KR9U N5KD W1YY

261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S UX0FF	N0AT OM3DX WA4FFW	NO2R OE2LCM R7IA WA7NS WB3AVN YO9HP	N4XM N5TY* N7RT OK1DWJ SP5GRM UA3TT VE1YX VE3NH	KC7V OK2ZI OZ4O SP8AJK
260 I1FQH K1LT K4DY UT9FJ	253 5B4AGN IV3YYK JQ3DUE K5ESW R5DT S58Q UA1OMS W0YG	246 DJ2TI F2JD IK0MHR JF8QNF N6TR TF4M UR5EDX W2TQC W5XZ	240 EA6ET JA5MHD JR3GWZ K0JUH K0KT K1DG K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JA0FSB JH4ADV K3SWZ N6DX R7DX VE3XN
259 DF4PL G3ZSS IV3ODE K8FL R9FM	252 EA1DR JA2VPO JF2MBF JG3QZN JR3IIR PA4VHF S52F W3UM	245 DL4CF JA1GV JA7QVI N9US RL9F RY7G W9XY	239 AJ6T IK0YUT K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF UW5ZM W3LL	234 IK6FWJ JG1ULJ K1AR K4UTE KF0QR PY1BVY S51DI W7AO
258 KW9A N2NL N8TR RN3CT VE3QAA	251 DJ7RD DL9RT JH0BBE PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IZ8FFA JA1HGY ON4IQ SV1RK	238 AC4G DL8WN IK0XEZ IZ1LBG NI0G RA0FF VO1HP	233 DF6PB DJ5FI JH1HGC K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC
257 AA1QD JH1GZE K1GUN K9NW N4II W9YSX	250 AB3CV HB9RG IK0XBX NQ1K OZ8BZ SV8CKM	243 DK2JX DK3DG JA0CRI ON4ATW S57A W9RPM WX4G	237 DL7MAE IW1ARB OM4EX WA7NB	232 EA1N FK8CP JA8EAT K2AZ K4XL NI6T UA3AP
256 9A5CY JA5BZL K5VRX KY7M ON4AOI SV8GFW W1TSP W3DF	249 AI9L K9RX SP5DRH	242 EA4KD G8VR KG7H OK1CF	236 AB4I K1JO K5EK K9NR K9ZO	231 4X4NJ HA9RE N6AR N7NG ON4ACG W9IXX
255 K4QL N2MF VK4MA W3KX W5OZI	248 K2FF K3WW K5RX SM3VAC T77C W9NGA	241 JA0DAI JA1SYY JA3EMU K5ZK KA9CFD		230 JA1CMD JA2NDQ
254 I1EIS	247 K0IEA K6XT NN4X			

KD0Q N8JV SM3NXS W4GF W4VQ	N4CH RA3QK RV1CC RW3XZ SP8NR VA5DX W7KW	220 AG8B DK2NG HB9LCW HL5IVL JF3KON JR4OZR KA1R OZ1AXG VE3EXY	215 JH0INP N7JW W0UO W2LK W6YI	JA7MSQ JJ2LPV RV0AR UW7LL W7JW
229 CT1FJK DJ4AX JA8FKO JI1BEX K4HB OE5NNN RO7T	224 KV7K MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ	219 IK3VUU JA2FBY JA2FJP OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA JA2IVK JA2JW K4NA LA7JO OK1DX RN7G W4NL WP4U	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA JA9FPI JF4VZT K5RT KG9N N9LB VE1DX W0ZR W7KNT W9OO
228 AF9H AI0O E72A N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JA2WYN JH2TPI N1LN RT6T SV2JAO UR5FEO ZS4TX	218 AD5A DJ4PI DK0PM IK1YDB JA6LCJ JA8CDT K0EU K5EJ K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	208 G3NSM I4LCK K2FU LA7HJA N5ORT RU3ZX RX3APM UN5J UY1HY W6PJ W9EWZ
227 DL7HU ES1RA I3BUI IK0HBN JA1UQP JA9CHI K1FK K3NW N6JV W9BF	222 IV3JVJ K3SV K4MWB K6EID K8FH K8ZTT N4PQX N5AW N5JR N8PR N9BX SM0CCM	217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I SM5CZQ W1ECT WA5VGI WB9CIF	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW PY2XB W0LS
226 9A8A DL5WW JA6BZI JF2KOZ JR6EZE K9FD* ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT	221 IZ8VYU JJ3PRT K8SIX LA7GIA LB8DC N6VR VE3LYC W1ZK W6JRY WS6X	216 F6DAY JA9PPC K3JGJ LA4GHA N5UL OE1ZL RA1QD RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	211 EA1RT IK4DRR JA4DEN K3WA RU3SD	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC N8DJX SM6BZV US0KW
225 A45XR IZ8FWN JH7PFD K1MM K5AB K9FD/KH6*			210 I8SAT	

VE3BW

205

F6EXV
I4KDJ
JA3AAW
K9YY
KA9FOX
W8UN
WB8ZRL

204

9A2NA
DJ5AV
EA5KA
F4BKV
IK7NXM
JA9NFO
K4JJW
K4XO
K9US
KK4SI
LX2A
N4NX
N4QS
N7FU
SM2OAN
UA0SR
US6EX
W2HUV
WD8PKF
WF4U
WI8A

203

AA5AM
JA2XYO
JE1PNX
K9MMS
KK2I
NK1K
OH1TV
PA0A
R6AF
W7DO
W8GC
WA2HZO

202

DK2LO
DL1MGB
DL2KQ
DL9DRA
HB9DDO
JA2JNA
JA3CSZ
JA5AQC

JH3VNC

J12KXK
K2NV
LY1G
N5ZM
N7KA
OK1DOT
R9TO
RA3S
UA9FAR
W1NT
ZL3IX

201

AG4W
CU2DX
DL1EJA
JF1PUW
JO7WXN
K1GG
K3HP
W0MHK
W2IRT
W5TCX

200

G0OIL
IK0FVC
JA1GTF
JH2RMU
K1GE
LA5YJ
RW4NN
RW7M
UY0ZG
W0DD
W3GG

199

G0BNR
JA2DPC
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KB8VAO
N4DW
W1TO
YO2DFA

198

DL1ROJ
G3UJE
G4BUE
I5KKW
IT9JNR
JA4PXC
W8HB

197

G3SNN
JA0EOK
JE1BMJ
JH1QAX
JH2UVL
K8NVR
LA7AFA
OE4PWW
OE5FIN
ON4CD
RZ6FA
UA0SC
UT5EL
W0FS
W4UM
XE2X

196

4Z4DX
AA4HP
IK4PLW
JA3RAR
K8PO
KP2A
ND0N
RA9CMO
RZ4FO
SM7GIB
W2FCR

195

EA3JL
EA5RM
G3ZEM
JA1EOD
JA1XEC
JN7FAH
K3PA
K7SO
K9RT
KF8UN
N1SV
W4FC
W5ZG
W9OP
WN6W

194

K4KDX
K9JF
KB9LIE
OH2IS
W2LO
WD8JJA

193

CT1IUA
DF2GH
DK1FW
DL5ZB
DL6ZXG
EA3WD
HA5BSW
K4ODL
N5LZ
N9EN
PA0LOU
RN1ON
UA0CA
W9MU
WA2VYA
WE9R

192

JA7JWF
JH1RFR
K3FN
K4FJ
K5XX
K7GM
K9EU
KF7PG
LA0FA
N4DB
NE1B
W3UA
W3YQ
W8LGJ

191

CT3MD
JA1ANR
K0BBC
K0JGH
K8FC
K9LA
RK2FWA

190

IZ8XQC
JA0VSH
JA1DUH
JA1MCU
K2TE
K9KU
KB1EFS
KM1D
N4XU
N5GH
SP2LNW
VE7VV
W9AJ

189

9A2F
AA1ON
CT1FMX
EA8PP
FM5CD
K4CN
SM0NJO
SP7HOV
UA7T
WA3C

188

AB4IQ
JA1KQX
JA8DNV
KB0EO
KE9ET
KL0S
N8LJ
RM0F
W1YM
W6SR
W8JV
WA6YEE

187

AJ1H
K0SR
K6SRZ
KN5O
N2NS
OK1CZ
SP3FAR
W7AWA

186

IK2QPR
JA2LCP
JA2ZL
K0BJ
K7LAY
YL2TW

185

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

184 HA5WA IW0SAF JF1NZW K4HGX K5KLA KB4ET N9RC S57AC US8UA UT2UB W2YJ	W2OR W7BEM W8TN	SP1MGM W4BP W4GD YO7NE	172 EA7TV G3NKC HB9FMN IZ5MOQ JA3FGJ JG3IWL K0DEQ K1BD K6FG KJ0M W3JX W4FQT WC4X	168 G3MXJ HB9TKS I2ZGC IK2EGL JA6VQA JE7JDL JF2UPM K4XD K5QY K8RYU KR4F N4QQ N8BJQ PA7F SP5GH SP6EQZ SV2AEL W4SVO W6VX W8OI WA5YNB
183 CT1FPQ HK3W IT9INO K8RRT K8VC N9MB NN2L ON6SAS W2FP W8NW	179 IT9ELD JA9NLE K0TT K8WK N2PK OK1MG S57UN SM4DDE SV3FUP W8KEN	175 JA1CHN JG0CQK JH2QMT JS3CTQ K4DLI LA5LJA N7IR PE1L TF3SG VE3FF W8HC WA9PIE WX0V	171 AA9D DL6KR G0EHO HA9PP JA6HUG JR1TNE K1NU KI5BLU N0RN N4OGW N7RO RA3DNC SV1LK WA3AFS	167 DK5AD EC3A EI6FR IT9DSZ K6KO K8NK K9MBQ N0IJ N3BNA OH2BLD PA3C RA1AOB RN9N S51EC W1YW WA4LOX WB0TEV WC5N
182 DJ9ON DK3UA JA1SHE JA3ENN JR7BDQ N3OC UR3EO	178 4Z5CX EA3CJ JA4MRL JL1SAM K2UR N7XR NE0U SM7DLK SV1JG W6NWS W7MEM ZS1LS	174 JA0GJJ JA1PPW JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K1KI K2KA K3AJ K4TR K4WS N1EN OE1WHC RN7F UA3LNM W8UV W8VVG WT8C	170 DJ6TK IK0PEA JA6JPS JF1WPB JM1GYQ K6ZZ N4PY SP3GTS SV3KH W9EVI	
181 DK3WW JA2BDR JA9TWN JN4MMO K2EP LZ2ZG VE3OSZ W1RM	177 9H1SP AE5E CT1GFK K3WC K4RG K5GKC K9NU OK1DWC PY5EW SM6DHU W5LT W7FI WB7B	173 5B4ALJ I1JQJ JE2LPC JE3ENP K1NTR K4XR K9YC KA1J N5FG RC9F UN9L VE6WQ W3IP		
180 4Z5MU DM2DXA DM3VL EA8JF IK4ADE JE2URF K6SSS K7BG LA9AJA N1RR N4AH ON5FP	176 EU1AB G0BLB I6FLD JA0DET JA5IU JA6BJV JA8KSF K8MN N5OK RL3FA SM5FUG		169 JA1ADT JR1IZM K1LI N4XX N7US RN3OG UT8MM UY5AA W6RW W7Yaq WA0MHJ WB3JFS	166 4Z1UF DJ4SO IV3TDM JA1FNA JA9LJS JH2SON K1KA K3KY K4JLD K4PB K4WA K4ZYU NY0V

RM3DA W0DJC W1RR W8ILC WA8TXT	VE7SL W0HT W0TT W1LW W2XL W8WEJ	WD5BJT 158 AA6AA CT1FCX DJ4PT DL1FKA E70T G4GIR JH1TWT J11FXS J11NJC JR1GJP JR3OEH K1CA K5TT K9GA KQ4AV OZ1HX RU6M SM4EMO W0SZ W1OX W3GQ W4QN	N7WS UA3SAQ VA3LX W1YIF W4TV 155 DL1RK DL4SZB K2LS N2ZN NE0DX NW7E SM6VR W2XI WE1P WS5W ZS6EZ 154 3V8SF GM3PPE IZ3ENH JA8NFV K0KVR KR2Q NX8Y SV1CNS W1NA W5DNT YS1RR 153 AJ9C CU2AP DF2RG DL1DUO DL3ZA G3TJW HL2CFY JF1IRW JR9OPJ K7SP K8VFX KD0PO LZ1PM N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU 152 EW2A	JA2VQF JT1CO K9MK KS3F N9OY S55ZZ UA6IGI UN7LZ UT5AB VE6LB W1SKU W1VT W6RLL W7AJ W9JJB WB3CQM 151 AA7G DK2OY EI9JF F3SG HB9SLO JA6BEE JH1NYM JR1XIS K2AX K2FW K8ROX N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7CT W7RH WA1Z WA2BCK 150 EA1AF IV3RAV JA1SVP JA2NQG JL1UXH K0RS K1OA K5TR K5VWW K7LV K8AJS KU4XO LA6OP N3QE N9CO
165 DL7UCX F6HDH IK0AGU JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN SM4CTT W5BN	161 DK2GZ DL6RAI HB9DHK IK0FUX JA1DOF K1USA K5GO K8ND LB2TB N4GN OE5RLM OH6RA VK3HJ YU2TW	157 AA4H AC6DD DL4MM EA5BY G3TQZ HB0CC JA1GHH JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ WS7L YV2IF		
164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP K1NJ N5WA RA3ZH W4DKS W4NS* WP4G WW3S	160 AD5Q DK1WB DL1DA EA3GP IW2FND JA2EPW JE2DZC JE2OVG JF2XGF JR7MAZ K3MSB K3RA NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B	156 AB9V FM5BH IZ8IEV JE3GRQ JO7HAM K0QC K8YSE KS1J N3RC N3UA		
163 9A2JK DJ9HX JE2LUN JH4CPC K7NN K8TL OK2QA RW3RN UR4CWQ VE3CFK W7AL	159 DL6MRS JA4FKX JA9APS JH6QFJ JL1RUC K4RO OK2ZV UN7JX W3HKK W6BJH W7SX			
162 4O3A 9A4W F3AT HB9BUN IZ4DPV JA6GIJ JH4ALY JR5JAQ LB6KC N8MR				

OE8SPW	JA4DHN	N2WM	JH1HHC	138
ON6AA	JA5XAE	N3KK	JH4JNG	DK8MCT
SQ5EBM	JH1GNU	SM4OLL	J11DCW	DK8YY
UA6YW	K5KV	SM5CLE	K2RW	EI9FBB
W2/CT1GIF	K5SM	W4GE	NJ3K	F6DDR
W6DAO	K6NR	W7ZI	SV3FUO	IK8EPC
WW2DX	K7WP	W8RLS	W2CG	JA3OOK
149	LB5WB	WC5M	W3BW	JF3LOP
DL7CX	N7BT	WD5T	W4JVN	K1RO
HB9HFN	OH1JP	YO3CD	W4VIC	KJ6P
IOJBL	RN3TT	143	W4WT	NA5DX
IK4FNF	RU0SN	DL6EN	W8GNM	OZ8X
IZ0RVI	W1IZL	HB9RYZ	W8HW	RW4CY
JL1ARF	W1ZT	IK8GYS	ZS1C	UN7JID
K3TN	145	IT9BLB	140	V51B
K4YYL	AF4HX	K7CMZ	9A1CAL	W1GD
K7HP	HI3T	K7CW	JA4OK	W2YE
K8ME	IT9ZZO	N2RJ	K5WK	W4YV
R8TX	JE6TSP	N5UW	K6KLY	W7OM
SM6CUK	JH4HMG	N6PAT	KF8DX	137
UW7UA	JH7RXU	NN4R	N4XP	EA1YO
W0GG	JJ3HGJ	W0IZ	OH6NIO	GM3YOR
W7HPW	JK1AJX	W6QUV	ON7DR	HB9IQB
WB8B	K3VAT	WB8CQV	UN1L	IZ2FOS
WD5K	K4OY	WB8ZRV	VE6SV	JA3APU
YO3DDZ	K8BL	WD9DZV	W0SEI	K2QMF
148	KF6HI	142	W4NU	K8NS
DK2CC	KR0P	AB9M	W7IV	RA3CO
F5CQ	N1CGP	I5HOR	W8LWU	RG7G
F5LVL	N4GG	JA2ATE	WO2T	UU1JA
F5PAC	N6PSE	JH0BQX	YL2MU	W1ITU
G4FTC	N8OC	JR2LJO	YO9FNP	W5ODD
JA9RRH	OE6VIE	JR7WFC	139	WB5JID
JH1QDB	RT0F	K3PP	DF7EE	136
N2WB	SM3DTR	K4WZ	DJ4XA	E72U
N5XZ	W5ADD	K6EME	DL5EBE	ER0FEO
NE3F	144	KK1W	DL8OH	IK8CNT
W5FKX	CU3EQ	KM3T	DS1JFY	IU0HDC
147	DL5CW	MM0SAJ	HB9CQK	K0TV
AA8CH	DL5KUA	N7QT	JA1TMG	K4ZO
IV3VBM	EI6IZ	NA4D	K2RET	K7TM
JA1XQC	GM3ITN	NQ7R	K3ANS	KR6C
JN1BMX	HB9BYQ	NY2NY	K6AM	OK1DW
K8UT	HS0ZEE	OK1DO	K8GI	SM3GQP
KM1H	I5MXX	W2OO	K8RF	SM5OJH
N1IBM	IT9GSF	W5LUA	KA8SYV	SP2BMX
NA5C	IV3DXW	W5VQ	KU0A	SP6JIU
PC3T	IZ4GWE	WA5POK	LA8WG	UT3UZ
W1OP	JA3GN	141	OK1MP*	UW8SM
W2KKZ	JE1FQV	AC9S	SM5CBM	W2OIB
146	K0VSH	DL5MHQ	SV8ZC	WB7QXU
EU4A	KJ9C	EW1BA	W0SD	135
JA1HQG	LA9GX	HB9FMT	WA8WV	5B4MF
	LA9VFA	JA1PTJ		AG1A
	N1IX			

BA4RF	EU1U	K6SIK	N3KS	OE8HIK
DJ9ZB	G4XEE	K9DR	N3RR	SK7AX
F6FXU	IK5DNF	KC2LSD	PA3EWP	SP6A
IZ7EVZ	IZ8DFO	KH2L	W0YVA	SP7ASZ
JA2KVD	JA6CBG	KM3V	W7QHE	W0CP
JA7LMZ	JA7GLB	KM4H	W8MET	W0RT
JA8BNP	JA9AGN	N3MK	W8MK	W3BG
JA8JL	JR6FC	N4QWZ		W3FOX
K1ZE	JR7FRW	N5PHT*	128	W3MF
K4TT	K2CDJ	N6RK	AA4SC	W8LMG
K4ZRJ	KS4YT	ON4ON	DM2RM	XE1KK
K7FL	KU2A	PY5EG	IK2SGB	
K7XB	OE1KM	R0SR	JA1XCZ	126
NZ9R	RA5BM	R9MJ	JA2AHH	DJ8WD
R3VA	RV4LC	R9SA	JA2KSP	F8BPN
R7LP	UQ2PZ	W8DCH	JA5FDJ	G4IUF
RN3RQ	VE3WT	W8KA	JA9AA	JA7KY
SM3LGO	W0NFL	ZS1A	JE1LFX	JH3CUL
SM5CZK	W1OPD		JH4GJR	JJ1DWT
SP3XR	W2QO	130	K0FF	K2ZD
SV5DKL	W5AJ	DF9ZW	K3XA	K4JKB
UB3A		E73M	K4JAF	K4XU
W1DIG	132	EI2JD	K4SE	N8NA
W1EQ	AA4NC	G7VJR	K6LPO	OK3CQD
W2GD	AD6W	HK0HEU	KG7CW	PA5TT
W4BUW	G3UHU	IK3XJP	KM4NS	VE3CX
W4MBD	IK3VBB	JA2FBC	N5KM	VE7BV
W4RFZ	IT9RDG	JG1DUZ	N9RD	W8REW
W6DR	K6YUI	J14POR	OE3SGU	W9ILY
W6JTI	K9ZM	K2MYR	OZ1IKY	WB2REM
WE4S	N6HY	K3NK	R9SG	WD4LBR
	OZ2RH	K7LFY	S53X	YU1EXY
134	SM4BZH	K8BCK	S55DX	
CT3HF	SM6BGG	K9GL	SV3DCX	125
HA1RB	SP6M	KO8SCA	US8UW	9A1AD
IK4DCS	VE3CRG	NA4EA	VQ9LA	GW3TMP
JA7LGE	W4AXL	NO9E	W2WC	HK4SAN
K1TO	W4RBO	OZ2ABI	W4IS	IW0HEX
K1ZN	W4WM	R5QA	W6RKC	JA4IYL
K3OX	W5SL	R9AB	WB0O	JA6VU
K5VIP	W7AH	RU1AO	ZS6UT	JE1TSD
KX4TT	W7CD	S51NM		JE6UWU
N9MR*	W9FR	TA1CM	127	JF2WXS
N9RS	WB3D	VE3DO	AC9EM	JH1AGU
OE1TKW	XE2S	W2MPK	CT3KN	J14WAO
OH1ZK		W9ZT	HK1MW	K1HAP
ON4CAS	131		JA1DDH	K5KG
PY5HOT	DK7YY	129	JA1WLO	K9GWH
RG6G	DL9FCY	HB9AZZ	JA8RJE	KA6BIM
RX4HW	HS1NGR	JA1NWD	JA9KRO	K14WCQ
SM0BYD	IV3KFB	JA8JO	JH3AIU	LZ1XL
UA0ACG	JA0AOO	JK1EXO	JN1RQV	N2KA
W4JKC	JA2TBS	K6XM	JS2LHI	N3EN
YU1AM	JH4ADK	K8DV	K0RW	N4JT
	JJ1TEA	LB7ZG	K3TRM	ND5S
133	JM1FHL	N0YY	N1AC	NW6S
9K2NO	K1UU	N2BJ	N1GC	OE1AZS

RA0BA	NA9RB	UU2JQ	119	W4DAO
UU7JM	S50B	VA3AYA	AA3AZ	W4NJ
VE3UTT	UA3DK	W0QQ	AE3T	W5JMW
W5DAW	UR9QQ	W2GG	AJ4A	W5VY
W9CG*	UT3QU	W3RJW	DK3GG	WX3P
W9DX	W1AO	W6XI	DL9OBY	YO4AUL
WV4TN*	W4NF	W9FI	EW4M	
YO2RR	W8NJR	W9XX	G4DJJ	117
	XE1H	W9YE	HB9AAQ	9K2OD
124		WA1PMA	HB9BCI	9Y4VU
AA7XT	122	WY1G	I2TZK	AE0P
AB1OC	G3NDC	XE1VIC	I4MKN	BH4IGO
JI1DHY	IU0LFQ		IK0ZIO	DL1DWT
K3FRK	JA1MRM	120	JA3AZD	G3PLP
KD2T	K1BZ	9A5F	JA4XGC	IT9DAA
KD4POJ	K1ESE	AA4DD	JE2JMV	JA1HQT
KZ5DX	K1YT	AA5JF	JH6CDI	JA4FM
NA2U	K2MP	AL7TC	K5UZ	JA7GYP
PA0TCA	K7ZA	DL2VWR	K7EG	JA7IC
UA0BA	LA7WCA	FG5FR	K8KWT	JM3GXU
VA7CRZ	LA8PT	HB9BLQ	N0KV	JR2UBS
VE1DUN	N3NR	IZ0LKV	N4DJ	K2BB
W2JU	N9AW	IZ5NFD	N9UA	K6PJ
W2RIJ	NN7X	JA4EPE	NT2A	K8OOK
W3FM	OZ3Y	JR3UIC	NY7T	K8QM
W6CYX	RD4A	JR6LLN	OH5NG	K9FN
WB8K	SP9WZS	K2BA	OK1DT	N2JJ
WT4Q	UU4JMG	K2HK	R6FFB	N4IR
	VE6AX	K3QIA	SV1ACK	N8AA
123	VK4CAG	K9SG	W4HZ	N8XI
AC4TO	W2TB	KA8ZPE	W8FIB	NY4G
DL7JRD	WA3I	N4BAF	WC2K	ON5UE
F4GTB	WA7BNG	N4LR	XE1RCS	OZ5HP
G4WFQ		N4TB		SM7BIC
G5LP	121	N4UFP	118	SP8HKT
HB0WR	AA6RR	OE3EVA	5T5PA	TZ4AM
IK2CHZ	DF1DB	OZ2A	AB2E	UA6J
JA0CRG	DK1EI	PZ5RA	DL5OCE	UR9IDX
JA1SJV	DK6CQ	RL3BZ	JA4FHE	W3ICM
JA3MHA	EI2GLB	SP3PLD	J18DGO	W4ZRZ
JA6WJL	HB9DHG	SP7ITB	JN7DOS	W6SL
JR1EBE	IT9AAI	SV1IW	K3WGR	W8ZR
K2PK	JA2HYD	UR5IKN	K4CNW	W9HBH
K3XO	K3NF	US0YA	K5XM	
K4ZIN	KD8RQE	US1CT	K7PI	116
K5GH	KG9Z	VE3YF	K8LN	AJ4F
K5JC	KV4AA	W0RX	K8WVA	DL7URH
K6FW	N0OK	W2YR	KD6UO	EA5BRE
K7UT	N1JP	W3OA	KG8CW	HA7PF
K9CS	N3ND	W4PRO	LZ2HM	HB9CEX
KV4T	N4TL	W6RFL	N2MM	HB9EFK
N2ED	N6HC	W7RN	N5BO	IK0EIE
N4DWK	N8PW	WA2USA	N6MB	IK2OHG
N6MZ	SV1AHX	WP3R	PY2PA	IK7YZG
N9JV	SV1FKZ	ZL4AS	SV9COL	IT9TQH
N9LQ	UQ1GWW		TA2RC	IV3HYD
NA2P	UT4EO		W1KSZ	JA1WTI

JE2EHP	BA7IO	KT1J	N6MA	W4HOG
JH3GCN	CT3FN	N6PE	N9HF	W4OX
K1DC	CU3AK	N7KO	RU4SU	W5AQ
K1RI	DL6NB	N9ISN	SM3DMP	W7VS
K6RO	DL6UAA	NA3F	UA1ACG	W8MIL
KT1V	EI8IU	NG0G	UA1CEI	W9RB
KV1J	F6CWA	NI5F	UT6UD	WA2MUA
NA9Q	G3SDL	NK5B	VE7XF	WB4TDH
OH8LXT	HP3TA	NZ3M	W1HEO	WB9EEE
OZ1LCG	I5OYY	R7NA	W2CVW	YL3DQ
PA0JSE	JA1OVD	RA4UN	W2SKI	YO6HOY
RV3ID	JA4BXL	RZ3AUL	W3UL	
UA4PCM	JA4KDT	SM5ARL	W4VHF	110
W1ENE	JH6WMJ	SP3EPG	W5VX	BA4MY
W1WEF	K1RV	SV1JFV	W6KK	DL1VDL
W7GG	K2DC	SV2AVP	W6TC	EA5BYP
W7OEV	K2HAT	UN7TW	W8GEX	F5BAR
W8LRO	K3MD	VE3KI	W8HMK	G3LNS
WQ5L	K3OSX	W2GW	W9SE	G8AJM
	K5CD	W6BK	WA8OLN	HI8R
115	K5RJ	W8FAX	ZP6CW	I2BBJ
C6AGU	KB8U	W9VNE		IK5RUN
CU2CE	KZ4V	WA2BOT	111	IZ2EWR
DL9GOA	N1QY	WA4DOU	AA4U	J68HZ
G8BCG	N3MN	WB2HJV	AF4OX	JA7EPO
G8DX	N4IQ	WB2UFF	CU3AN	JE2UFF
HA5UK	NU8Z	WS4C	DG7RO	JH1VHU
HK3PJ	UA3FT	ZL1BYZ	DK2WH	K2BLA
IZ0CKJ	W0VX		DK6ED	K3JRR
IZ7JVR	W3MR	112	DL1HRN	K3PH
JA2KNW	W4TUN	A92IO	EV1R	K4WW
JA3NHL	WA1FCN	DJ1RL	F6ECI	K6MI
JA5WIZ	WA4CEM	DK5RL	G4DBN	K6VKO
JG3LGD	WA8MCD	DL5CL	HC1BI	KB4MRX
JH1RFM	WA9YYY	EA1JO	HL3GOB	KC2STA
K0GD	WN9O	EW1DO	IK8UHA	N2CG
K0SD	WT9U	G3XGC	JA1AUD	N3HBX
K4CMS	XE1RBV	HB9CRV	JA1FGB	N3IQ
K4GHS	XE3ARV	HB9G	JA1NCZ	N3JB
K4GK		IK2ANI	JE8TGI	N4KE
K8YTO	113	IU8FRE	K0FLY	NC6K
LY4T	9A1A	IZ4DIW	K5WAF	NK7C
N0IRM	DJ5DT	JA1SXR	K7ORK	NY4I
N4OA	DJ8ES	JA7BXS	K9AJ	RD9M
N8KOL	DJ9RR	JF2WGN	KM1R	SM5BHW
PA3AXU	DL8CM	JR7TEQ	KP4AA	SV1VS
RZ6MJ	DL8DYL	K0JPL	KZ0X	UA3O
UA1ANA	DL9GTB	K1EDG	LA0CX	US7MM
UA1CGS	G4AFJ	K1EO	N4WJ	W0UY
UA6XT	JA0GCI	K1KO	N7BD	W3XY
UN6T	JA4ITW	K4UAS	NA1DX	W4DC
W4UCK	JH1ORA	K8CC	UR6QA	W4NE
YL2CZ	K0TPP	KB2FCV	VE6KC	W5ZPA
	K8SL	KI4DLS	VE7CT	WL7E
114	KA4RRU	KM1C	VE7UF	XE1FAS
AB4GE	KH6DX	LA8HGA	W0VHF	YU7AU
BA4DW	KI0G	N5ZC	W1FO	ZL3NW

109	K4YJ	JR1BAS	JG5RVQ	JA1BWA
DF1KG	K6UT	K0MD	JH2KKW	JA1TAA
EA3GHZ	K8OM	K1TZQ	JH6PFY	JA6VA
EU4T	KM8AM	K3SW	JJ0NCC	JA7BME
F8EZE	KN4JX	K3YBN	JR0EQQ	JA8RRF
G3SVD	KX2A	K4MS	K0DEW	JA9APM
IW0HQE	KZ1W	K8LBT	K1PX	JF1RYU
JA2CXF	LU2DKT	K8ZR	K4DSE	JF2VAX
K2CJ	LZ3YY	KB9DAK	K5AM	JO4CFV
K2ONP	N2DPF	KE2R	K5ZQ	K1DJ
K4RDU	N4MEC	N2RR	K8JJC	K2XF
K4SAF	N6RFM	N3DAP	KD9HL	K5AV
K5FZ	N9SF	N4RF	KK8X	K6DJ
K5KA	N9TF	N6EE	KK9H	K7OX
K5KPE	NU4Y	N8AGU	KQ3F	K7PO
K6MW	PA0ZH	N9PGG	N0JZ	K9RO
KA9UVY	R5FY	NA5Q	N2CW	KI5T
KE1F	R7LA	NE1F	N2SQW	KT2E
N1BZ	RA1OHX	OE1CP	N3XM	LZ1JZ
N2WLG	RX6DX	OK2BUZ	N8AID	N4JI
N7TY	S57J	OK3CQR	NA5Z	N4NW
N8NN	SM6AOU	R0FA	NI5M	N4PL
ND4V	UX7UN	RN4AA	NS3L	N4SC
NN4RR	UZ6LWZ	RV6ARZ	OE5CSP	N4VN
NU4I	W2UB	SP3BQD	OH2OT	N6NU
NX7U	W3NRJ	SP6AXW	OK1AYU	N7DR
PY5CC	W4ZYT	US5CB	OK2BVG	ND3L
RW4UU	W7ACD	VE3OI	S57AL	ON7PQ
RW9QA	W8IW	VK3NX	UR3CRO	OZ4AAL
RX3AGD	WA2ALY	W3KB	UT7UU	PF7M
TG9NX	WA8MOA	W4MAY	UU5WW	PJ2/K8ND
UB5ZAL	WB8BZK	W6TDX	V73AZ	PY2DS
UT7KF	WC1M	W8VK	VQ9SS	R6YY
VU2CPL	WC6DX	W9CPV	W1CWU	RA6AF
W5WP	WD9EQU	WA0RVK	W2EQ	RD4WM
WB5TUF	WW1WW	WB6CJT	W2LE	SP5JXX
WN0L	ZS2DL	WB8ART	W2NO	UA6LCN
YV3AGT		WS1L	W4IR	UR1RWX
	107	XE2YWH	W5JAY	UR2RGN
	4Z5LA	YL1XZ	W5KI	VE1PZ
108	DK3FB	ZL3RJ	W8OP	VR2MY
AI2Q	DL1QQ		WA4MYO	VY2ZM
AL7R	DL2CHN	106	WA6TLA	W1LE
DL6CNG	DL5XU	AA4FL	YL2GN	W1LY
ER1LW	DO4DXA	AE2U	YU3EF	W1MRH
G3VAO	EA5AT	DJ6OZ		W4OWY
HB9BAT	EA7QW	DL2NOM	105	W6FF
HB9FAN	FG8OJ	DL3JSW	DF2PI	WQ5W
IK0PRG	G4AKY	DL6JZ	DF8AA	YU1NR
IZ0BTV	G4RGK	EA1CP	DJ3XD	
JA2MOG	I5IHE	EA3CCN	DJ6KH	104
JJ2PIK	IT9XTP	HA8DZ	DL4ZAB	9M2AX
JK1MZT	JA4EVN	IW3GJF	DL6XK	AD1C
K1EP	JA5EY	JA1VLK	DO1CTL	AG4Q
K1XM	JA6OXT	JA2MNB	ES1GO	AH0U
K2KQ	JA8JTH	JE6IGP	G3YUV	CP8HD
K2MK	JH9DRL	JG3HBO	HA8FW	CX3CE
K4WY				

DK3BK	UT7EC	KJ7WY	JA0HXV	101
DL4FAP	UX4UM	KM9E	JA8OW	AA2VG
DL7UPN	UY0MM	KQ5M	K0YN	AA3LX
E73D	VE3VHB	LX1DA	K1PTF	AA4NU
EA8ZS	W0YBS	N0RU	K2LP	AC2AC
EI9E	W1QA	N1HOQ	K2TK	AC5O
F6AJA	W3DRY	N9BBQ	K3KG	CT1JGA
F8GB	W3TMZ	NU1T	K4AQQ	D44BC
G3BRD	W5BK	OH3GD	K4KAY	DH2FW
HB9CIP	W5CWQ	OK1DQT	K5ZO	DK9WI
HK3O	W5GJ	OK2BQU	K7BHM	DL1KS
IK0DWN	W5ZO	OK3BRK	K7UA	DL3ANK
IZ4MJP	W6PH	OZ7JZ	K8BHZ	DL5JS
JA1JAT	W7DR	R9GM	KJ6NZ	DM3ML
JA1SDV	WA0I	RA0FA	KN4KL	EA1WX
JA2FGL	WA9ETW	RA4HT	KW4BY	EU1TT
JF1EGO	YC0LOW	RK3QY	KY6R	G3ZFC
JF6WTY	YO2CMI	RU3OW	LA3ANA	G4FJK
JK1BSM	YO5ODE	SM3CBR	LA6UL	GM3WTA
JO1WXO		SM6EHY	N5RZ	HB9NL
K0WK	103	SM7BHH	OH2EA	IK5ZUK
K1BG	AG1I	UA3PFN	OK1DTN	IV3GOW
K3FM	AI3Q	US2WU	OK1JDX	IV3KCB
K4KEW	DJ1MM	UT2AB	OK3CSQ	JA1VVX
K4MF	DJ3GZ	VA2ZO	PA7TWO	JA2VMU
K4VIG	DJ7PI	VA3IC	PV8ABC	JA6TMU
K5HK	DL2HX	VE3EDY	PY2DO	JA7SFD
K6UM	DL8YRM	VE3MFA	R2AB	JE1PHH
K7TJR	DM5TI	VE3VV	R3IS	JF1RPZ
K9EA	DS3HWS	W0QC	RU3UN	JH3HGH
KA2BZS	EA7SG	W0UVC	S59DJK	JH3PRR
KH6KG/W5	EU6MM	W1CTN	SM6WET	JH7BKN
KI0KB	EW3LB	W4AVY	SP5MXZ	JI3KDH
KW0A	G3BDQ	W4MZ	T77V	K0LW
LZ2XF	G3OIL	W5THT	UA1AIR	K1YR
N3ER	G4AAW	W5VU	UA1CKC	K2BX
N3TR	G4PUQ	W6SZN	UA6HOF	K3SEW
N4GU	G4VGO	YO7APA	UA9MR	K4NNX
N4TTE	I0OSI		UA9UCO	K5DNL
N6PF	JA2GQO	102	UW7CN	K5WE
N6WM	JA2OLJ	A6/RV6LNA	VE2FYR	K6AAW
N8MZ	JA3FHL	CT4BD	W0JMP	K6XJ
N9DR	JA8EJO	DK3QM	W1AW	K7AR
NJ9C	JE1SYN	DL3DXX	W1PV	K7IA
NN3Q	JH1DGQ	DL3NCR	W2LW	K8BN
OH4UI	JM2RUV	DL4CW	W2TX	K8YYY
PA0GMM	K0EOO	DL4KUG	W3EKT	K9JU
RA1QX	K2TER	DL5RDI	W4ALF	K9PG
RU3UR	K2UVV	EA8AKN	W4KK	KC4PX
RZ6DX	K4LQ	EI4DQ	W5TO	KD3UY
RZ6LB	K5JUC	EI6GF	W7IUV	KE1VT
SM5CCE	K7BTW	ES5RW	WA0IDK	KE4S
SM7CQY	K8CCV	F6BWO	WA1S	KF7NN
SO5AS	K9MUG	FM5WD	WD8DSB	KN6J
UA9FGJ	K9XJ	HB9AHL	WS4Y	KQ1F
US5CAO	KE1IU	I8LWL	WW5G	KS4XQ
UT4EK	KJ4R	IT9SFT	YO2IS	LA2GV

LZ1XZ	YO6BHN	K8CS	S59SV
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N2AJ	ZS1J	K9NZ	SV1FJP
N5AQ		KB0EL	SV1VJ
N8AG	100	KB1HY	SV2DSJ
N9JCS	9M6YBG	KC0V	TI5CDA
NX2X	A41ZZ	KC4D	UA3AKI
OA4TT	AA4AK	KC5LT	UA4PAY
OE3WQB	AA4UC	KD8BZY	UA6CEY
OH3TY	AB4VV	KP4N	UN6P
OK1PGF	AC4VM	LA8W	UR4CW
OK2BOB	AI2S	LU5OM	UR4LRG
OK3EY	DJ6OI	LU5YF	UR8IDX
OK4MM	DK8MM	MM0SJH	VE1RGB
ON4LG	DL1TPY	N0AH	VE3OAT
PA4WM	DL1TRK	N0ATQ	VE7JKZ
RA3AH	DU7ET	N1GFV	VP2VA
RA4P	EA2AAZ	N1KI	VR2PX
RA4SD	EA3ALD	N1MD	W0GYH
RB7GG	EA8AXT	N2SG	W0MU
RK9F	EC5A	N2XQM	W1AN
RY6M	EI3ISB	N3AF	W1YRC
SM2DMU	ES5NC	N4CRI	W2CCC
SM7NDX	FM5GU	N4ZR	W3BBO
SP7JLH	G0VXE	N7DED	W4HHN
SV1PL	G4CGG	N7TK	W4OEP
UA0FDX	GM3ZSP	N8IL	W4OV
UG6GAW	I2VGW	N8NB	W6WA
UR5WIF	IK0HFO	N8OQ	W7DT
UR7CQ	IK4MSV	N9ADG	W7JET
UT1CC	IS0/YO3RA	NA6O	W8CNL
UT4IS	IT9CVO	NB3R	W8FN
UT7HA	IW0BYL	NG7A	W8GDQ
VE2OJ	JA1BRK	NJ3I	WB4SON
VE3ARF	JA1CPU	NN4SS	WB8TGY
VE3XB	JA1ILA	OE5JDL	WU2M
VK2GR	JA4FSH	OK1DXD	YB1TJ
W1FC	JA5DQH	OK2PAZ	YL2SM
W1GF	JA9CGW	ON4ANN	YO9FLD
W2SF	JF3DRI	ON7EH	ZP9MCE
W3WH	JH7XPW	ON7GB	
W4BUE	JS6TWW	ON9CC	
W4PM	K0LB	OT1A	
W5RF	K0XM	OZ1ZD	
W7AV	K1NA	PA0INA	
W7CB	K1NZ	PA7RA	
W8GB	K2CBI	PY7DJ	
W9MAF	K2CYE	R3PJN	
W9ZCL	K3TZV	R9JX	
WA3EKL	K4FT	RA3SD	
WA3PTF	K4KGG	RA4LW	
WB3HLH	K4KSY	RA6XB	
WC4H	K4QS	RC2A	
WK9U	K4UQC	RN1A	
WR2G	K7VIC	RT5A	
WV9L	K8BZ	RU3GF	
YO2OXD	K8CR	S53MJ	