

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 16 Jun 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 K5RK N1DG OH3SR S50U W1JR	309 W5IZ	YU1FW
341 EA8AK	324 K2TQC K4PI OH2BO S50A W1NG	314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM3YTS
340 K1ZM	323 EY8MM SP5EWY	313 GM3POI OE3GCU OG2M OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK SV8JE
339 W4DR W4ZV	322 UX0UN W3UR	312 OH1MA S54E	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR VA3EF
335 OH2BU	321 WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I RA7A RZ3AM SP2FAX	305 JA7NI K4ZW N4IS NN4T UA6A	299 JA4DND K4TEA N1BUG OE1WEU SV1FJA UX1UA W7UT
334 N4WW	320 K8MFO SM4HCM W8UVZ	310 I4AVG RA3CQ SM5BFJ SM6CVX	304 CT1EEB DJ0MDR SM3GSK	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ SM5CEU
333 R7LV	319 N0XA SM4CAN			
332 UR0MC	318 4X4DK UT5UGR W9ZR			
331 K5UR LZ2DF	317 W3LPL			
330 AA1K HA0DU OH1XX UT7QF	316 W2VO			
329 K3UL UA4HBW				
328 R4GM UA4CC				

297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS	289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	OK1AWZ VE2TZT	268 DL5DSM G3WPH RA3XDX SP9JZU W1MK
296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ	288 PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	281 DF2PY HB9BIN JA2PJC K1CP NJ6P S59Z W4TO	275 9A1CCY F5NBU I2AOX IK4CIE K2UO K4IQJ OH3BU SP6AEG UW2ZM	267 LU8DPM RZ3DX
295 K3UA SV8CS	287 CT1APE DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	280 EA6NB SP6HEQ YO3APJ	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD
294 DL1AMQ JH2FXK LA5HE RJ3AA WD5COV	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA4V AA6YQ AA7A K4XP RW0LT SV8BHN YO5BRZ
293 N0TB S58T	285 G4CCZ HB9BGV UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU CT1EKY DL1DUL DL2OE OH1LEU SP6CIK	264 IK2YCW K7ZV W1GL
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP
291 9A7V IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW	270 AA1V JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA KR9U W1YY
290 UA3AKO			269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S

SP5DIR	S58Q UA1OMS W0YG	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ	240 G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	N6DX OK1CF R7DX VE3XN WA7NS
260 EA5BM K1LT K4DY	252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 JR3GWZ K0KT K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK	234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR PY1BVY S51DI
258 KW9A N2NL N5KD RN3CT VE3QAA	251 DJ7RD DL9RT I1EIS JH0BBE K9NW N4II PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 DL8WN EA6ET IK0XEZ JA0DAI RA0FF VO1HP W3LL	233 K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO
257 K1GUN N8TR W9YSX	250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G	237 DL7MAE NI0G OM4EX UR5EDX	232 DJ5FI EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF	249 AB3CV AI9L JR3IIR K9RX SP5DRH	242 EA4KD KG7H SV8CKM	236 AB4I AC4G K1JO 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 UT9FJ W9NGA	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ WA7NB
254 N0AT OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN YO9HP			
253 5B4AGN AA1QD K5ESW				

229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	VA5DX W7KW	JA2FBY JA2FJP JF3KON LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	K4NA OK1DX RN7G W4NL	DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO
228 AF9H AI0O E72A K4HB N2WK OH2BEN UW5ZM VE3DZ	224 DL5WW IZ1LBG MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ	218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO KV7K UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA LA7JO NA2M* RU4SO W0LYI W1FJ W2WG W3YY	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX	217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	207 IZ8FWN K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS
226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	222 IV3JVJ K3SV K6EID K8ZTT N5AW N8PR N9BX SM0CCM	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG		206 IK0IOL JA3PIS K2VV K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW
225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR	221 JA2WYN K4MWB K8FH K8SIX N6VR W1ZK W6JRY WS6X	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 EA1RT IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	205 F6EXV I4KDJ JA3AAW K3LR KA9FOX LA7HJA
	220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	214 DL7BA HL3IUA IZ8VYU JA2JW	209 DL5CF	

W8UN WB8ZRL	DL1EJA JF1PUW JO7WXN K3HP N4QS W0MHK W5TCX	UT5EL W0FS	RN1ON UA0CA W9MU WA2VYA	JA1KQX KB0EO KB1EFS KE9ET KL0S N8LJ RM0F W6SR W8JV WA3C WA6YEE
204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US K9YY LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W2IRT W3GG	196 4Z4DX AA4HP IK4PLW JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO RZ4FO W2FCR W4UM	192 9A2NA CT1IUA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG N4DB OH2IS W3UA W3YQ W8LGJ	187 AJ1H K0SR K6SRZ KN5O N2NS OK1CZ SM0NJO W7AWA
203 JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO N4DW W1TO YO2DFA	195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	191 JA1ANR K0JGH K8FC K9LA NE1B RK2FWA	186 9A8A IK2QPR JA8DNV K0BJ K3PA K7LAY W1YM YL2TW
202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR KB8VAO RX3APM W8HB	194 K4KDX K9JF KB9LIE KC9ARR LA7AFA SM7GIB W2LO W4FC WD8JJA WN6W	190 IZ8XQC JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH SP2LNW VE7VV WE9R XE2X	185 AB6QM CT1EAV EA6BF G3KWK IK3SWB JA2LCP K5ZD LA3WAA N4TJ N5UR OE2BZL SP3FAR SV1DPI UA9CBO
201 CU2DX	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC	193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC K4ODL N5LZ N9EN PA0LOU	189 9A2F EA8PP FM5CD JA0VSH K0BBC SP7HOV UA7T	184 HA5WA JA2ZL JF1NZW K4HGX K5KLA KB4ET S57AC US8UA

W2YJ	SM4DDE	SP1MGM	171	N4QQ
183	SV3FUP	TF3SG	AA9D	N8BJQ
CT3MD	W8KEN	VE3FF	DL6KR	PA7F
IT9INO	178	W8HC	G0EHO	SP5GH
K4CN	4Z5CX	WX0V	HA9PP	W4SVO
K8VC	EA3CJ	174	JA6HUG	W6VX
N9MB	JA4MRL	4Z5MU	JR1TNE	W8OI
NN2L	K2UR	JA0GJJ	K1NU	WA0MHJ
ON6SAS	LA0FA	JA1PPW	LA5LJA	WA5YNB
W2FP	NE0U	JA2XW	N0RN	167
W8NW	SM7DLK	JA7MOL	N4OGW	DK5AD
182	SV1JG	JF7DZA	N7RO	EC3A
DJ9ON	W6NWS	JK1OPL	N9RC	EI6FR
DK3UA	W7MEM	JR6PGB	RA3DNC	JA6VQA
HK3W	ZS1LS	K0TT	SV1LK	K6KO
JA1SHE	177	K1KI	UN9L	K8NK
K8RRT	9H1SP	K2KA	WA9PIE	K9MBQ
N3OC	AE5E	K3AJ	170	N0IJ
UR3EO	CT1GFK	K4TR	DJ6TK	N3BNA
181	IK4ADE	K4WS	JA6JPS	PA3C
DK3WW	K3WC	N1EN	JE3ENP	RA1AOB
JA3ENN	K4RG	OE1WHC	JF1WPB	RN9N
JN4MMO	K9NU	RN7F	JM1GYQ	S51EC
K2EP	SM6DHU	UA3LNM	K6ZZ	VE6WQ
LZ2ZG	W2OR	W8UV	KI5BLU	W1YW
VE3OSZ	W5LT	W8VVG	N4PY	WA4LOX
W9AJ	W7FI	WT8C	SP3GTS	WC5N
180	WB7B	173	SV3KH	166
DM2DXA	176	5B4ALJ	W3IP	4Z1UF
DM3VL	EU1AB	I1JQJ	W9EVI	DJ4SO
EA8JF	I6FLD	JA9TWN	WA3AFS	HB9FMN
JA2BDR	JA0DET	K1NTR	WP4U	IV3TDM
JE2URF	JA5IU	K4XR	169	JA1FNA
K6SSS	JA6BJV	K9YC	IK0PEA	JA9LJS
K7BG	JA8KSF	KA1J	JA1ADT	K1KA
LA9AJA	JL1SAM	N5FG	JE2LPC	K3KY
N1RR	K8MN	PY5EW	JR1IZM	K4JLD
N4AH	N5OK	172	K1LI	K4PB
ON5FP	OK1DWC	EA7TV	N4XX	K4ZYU
UT2UB	RL3FA	G0BLB	N7US	OH2BLD
W1RM	SM5FUG	G3NKC	UT8MM	RM3DA
W7BEM	W4BP	IZ5MOQ	UY5AA	W0DJC
W8TN	W4GD	JA3FGJ	W6RW	W1RR
179	YO7NE	JG0CQK	W7Yaq	W8ILC
CT1FPQ	175	JG3IWL	WB3JFS	WA8TXT
IT9ELD	JA1CHN	K0DEQ	168	165
IW0SAF	JA9NLE	K1BD	G3MXJ	DL7UCX
JR7BDQ	JS3CTQ	K6FG	IK2EGL	F6HDH
K8WK	K4DLI	KJ0M	JE7JDL	I2ZGC
N2PK	K5GKC	W3JX	JF2UPM	IK0AGU
OK1MG	N7IR	W4FQT	K4XD	JE7RJS
S57UN	N7XR	WC4X	K5QY	JH7CFX
	PE1L		K8RYU	K5JZ
			KR4F	KK4CB

N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN	K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW	W3GQ W4QN 157 AA4H AC6DD DL6MRS EA5BY G3TQZ G4GIR JA1GHH JE2DZC JH2QMT JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ YV2IF	JA8NFV JR3OEH K0KVR NX8Y W1NA W2XI W5DNT WB0TEV WS7L YS1RR 153 AA6AA AJ9C DL3ZA G3TJW HL2CFY JF1IRW JR9OPJ K7SP K8VFX KR2Q N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU 152 EW2A HB0CC JT1CO KQ4AV KS3F N9OY S55ZZ UA6IGI UN7LZ UT5AB VE6LB W1SKU W1VT W6RLL W7AJ WB3CQM 151 AA7G CU2AP DK2OY EI9JF F3SG HB9SLO IZ3ENH	JA2VQF JA6BEE JH1NYM JR1XIS K2AX K2FW N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7CT W7RH WA1Z WA2BCK WP4G 150 EA1AF IV3RAV JA2NQG K0RS K5TR K7LV K8AJS KD0PO KU4XO N3QE N9CO OE8SPW SQ5EBM SV1CNS UA6YW W6DAO WW2DX 149 DL7CX HB9HFN IK4FNF JA1SVP JL1ARF K3RA K3TN K4YYL K8ME K8ROX K9MK R8TX SM6CUK UW7UA W0GG W2/CT1GIF W7HPW WB8B
164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG SV2AEL W4DKS W4NS*	160 AD5Q DK1WB DL1DA IK0FUX IW2FND IZ4DPV JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B 159 JA4FKX JH6QFJ K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT 158 DJ4PT DL1FKA IT9DSZ JA9APS JH1TWT JI1FXS JI1NJC JR1GJP K5TT K9GA OZ1HX RU6M SM4EMO W0SZ W1OX W2XL	156 AB9V DL4MM IZ8IEV JO7HAM K0QC K8YSE KS1J N3RC N3UA N7WS OE5RLM UA3SAQ VA3LX W1YIF W4TV 155 DL1RK DL4SZB JE3GRQ K2LS K4WA NE0DX NW7E SM6VR WE1P ZS6EZ 154 3V8SF GM3PPE HB9BUN		
163 9A2JK DJ9HX JE2LUN K7NN K8TL UR4CWQ VE3CFK W7AL WW3S 162 4O3A 9A4W F3AT HB9TKS JA6GIJ JR5JAQ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ 161 DK2GZ DL6RAI HB9DHK JA1DOF JH4ALY JH4CPC K1USA				

WD5K
WS5W
YO3DDZ

148

CT1FCX
DK2CC
F5CQ
F5LVL
JH1QDB
K5VWW
LA6OP
N2WB
NE3F
W5FKX
W9JJB

147

EA3GP
F5PAC
IV3VBM
JA1XQC
K7HP
K8UT
KM1H
N1IBM
PC3T
W1OP
W2KKZ

146

EU4A
G4FTC
JA1HQG
JA4DHN
JA5XAE
JH1GNU
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K5KV
K5SM
K6NR
K7WP
N7BT
RU0SN
W1IZL
W1ZT

145

AF4HX
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IOJBL
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JK1AJX
JN1BMX
K1OA
K3VAT

K4OY
K8BL
KF6HI
N1CGP
N4GG
N5XZ
NA5C
RT0F
SM3DTR

144

CU3EQ
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DL5KUA
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EI6IZ
GM3ITN
HB9BYQ
I5MXX
IT9GSF
IV3DXW
IZ4GWE
JA3GN
JE1FQV
K0VSH
N1IX
N3KK
SM4OLL
SM5CLE
W4GE
W5ADD
W7ZI
W8RLS
WC5M
WD5T
YO3CD

143

DL1DUO
DL6EN
HS0ZEE
K7CMZ
K7CW
KJ9C
N2RJ
N2WM
N5UW
N6PAT
N6PSE
NN4R
W0IZ
W6QUV
WB8ZRV
WD9DZV

142

I5HOR

IT9BLB
JH0BQX
JR7WFC
K3PP
K4WZ
KK1W
LA9VFA
MM0SAJ
N7QT
NA4D
NQ7R
NY2NY
OK1DO
W2OO
W5LUA
W5VQ
WA5POK
WB8CQV

141

AC9S
DL5MHQ
EW1BA
HB9FMT
JA1PTJ
JA2ATE
JA9RRH
JH1HHC
JL1UXH
K2RW
N8OC
NJ3K
OE6VIE
SV3FUO
W2CG
W3BW
W4JVN
W4VIC
W4WT
W8HW
ZS1C

140

9A1CAL
DF2RG
JR2LJO
K5WK
K6KLY
KF8DX
N4XP
OH6NIO
ON7DR
UN1L
VE6SV
W0SEI
W4NU
W7IV

W8GNM
W8LWU
WO2T
YL2MU
YO9FNP

139

DF7EE
DJ4XA
DL5EBE
DL8OH
JA1TMG
JI1DCW
K3ANS
K6AM
K8GI
K8RF
KA8SYV
KU0A
LA8WG
OH1JP
OK1MP*
OK2QA
SM5CBM
SV8ZC
W0SD
WA8WV

138

DK8MCT
DK8YY
EI9FBB
F6DDR
IK8EPC
JA3OOK
JF3LOP
JH7RXU
K1RO
K2RET
KJ6P
LB5WB
ON6AA
OZ8X
RW4CY
UN7JID
V51B
W1GD
W2YE
W4YV
W7OM

137

DS1JFY
EA1YO
GM3YOR
HB9RYZ
IZ0RVI

IZ2FOS
JA3APU
JA4OK
JH4JNG
K2QMF
K6EME
K8NS
LA9GX
RA3CO
RG7G
UU1JA
W1ITU
W5ODD
WB5JID

136

E72U
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K4ZO
K7TM
KR6C
N2ZN
OK1DW
SM5OJH
SP2BMX
UT3UZ
UW8SM
W2OIB
WB7QXU

135

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IK8GYS
IU0HDC
JA7LMZ
JA8BNP
JA8JL
K1ZE
K4ZRJ
K7FL
K7XB
NZ9R
R7LP
RN3RQ
SM3LGO
SM5CZK
SP3XR
W1DIG
W1EQ
W2GD
W4BUW

W4MBD	ON4CAS	NA4EA	ZS1A	WB2REM
W4RFZ	OZ2RH	NO9E	ZS6UT	WD4LBR
W6JTI	SM4BZH	OZ2ABI		YU1EXY
WE4S	SM6BGG	PY5EG	127	
134	SP6M	R3VA	CT3KN	125
CT3HF	VE3CRG	R5QA	HK1MW	9A1AD
IK4DCS	W4AXL	R9AB	JA1DDH	AG1A
JA7LGE	W4RBO	RU1AO	JA1WLO	GW3TMP
K1TO	W4WM	SP6JIU	JA8RJE	HK4SAN
K1ZN	W5SL	TA1CM	JA9KRO	IK5DNF
K3OX	W6DR	VE3DO	JH3AIU	JA4IYL
KX4TT	W7AH	W2MPK	JS2LHI	JA6VU
N9MR*	W7CD	W9ZT	K0RW	JE1TSD
N9RS	W9FR		K3TRM	JE6UWU
NA5DX	WB3D	129	KM3T	JF2WXS
OE1TKW	XE2S	HA1RB	KM4NS	JL1RUC
PY5HOT	131	HB9AZZ	N1AC	K1HAP
RG6G	DK7YY	JA1NWD	N1GC	K5KG
RX4HW	G3UHU	JA8JO	OE8HIK	K8DV
SM0BYD	HS1NGR	JI4POR	S51NM	KA6BIM
SV5DKL	IV3KFB	K4TT	SK7AX	KI4WCQ
UA0ACG	JA0AOO	K6XM	SP6A	LZ1XL
W4JKC	JA2TBS	N0YY	SP7ASZ	N2KA
YU1AM	JH4ADK	N3KS	W0CP	N3EN
	JJ1TEA	N3RR	W0RT	N4JT
133	JM1FHL	W0YVA	W1OPD	N9RD
9K2NO	K1UU	W7QHE	W3BG	ND5S
EU1U	K5VIP	W8MET	W3FOX	NW6S
HB9CQK	KC2LSD	128	W3MF	OE1AZS
IZ8DFO	KH2L	AA4SC	XE1KK	RA0BA
JA7GLB	KM3V	DM2RM		UU7JM
JA9AGN	KM4H	IT9ZZO	126	VE3UTT
JR6FC	N3MK	JA2AHH	DJ8WD	W5DAW
JR7FRW	N4QWZ	JA2KSP	DL9FCY	W8LMG
K2CDJ	N5PHT	JA9AA	F8BPN	W9CG*
KS4YT	N6RK	JE1LFX	G4IUF	YO2RR
KU2A	ON4ON	JH4GJR	IZ7EVZ	
OE1KM	R0SR	K0FF	JA1XCZ	124
RA5BM	R9MJ	K3XA	JA7KY	AA7XT
RV4LC	R9SA	K4JAF	JH3CUL	IK3VBB
UQ2PZ	W8DCH	K4SE	JJ1DWT	JI1DHY
VE3WT		K6LPO	JN1RQV	KD4POJ
W0NFL	130	KG7CW	K2ZD	NA2U
W2QO	DF9ZW	N5KM	K4JKB	PA0TCA
W5AJ	E73M	OH1ZK	K4XU	UA0BA
	EI2JD	OZ1IKY	LB7ZG	VA7CRZ
132	G7VJR	R9SG	N8NA	VE1DUN
AA4NC	HK0HEU	S53X	OE3SGU	W2JU
AB9M	JA2FBC	S55DX	OK3CQD	W2RIJ
AD6W	JG1DUZ	SM3GQP	PA3EWP	W3FM
IT9RDG	K2MYR	SV3DCX	PA5TT	W6CYX
JA2KVD	K3NK	US8UW	VE3CX	
JA6CBG	K6SIK	VQ9LA	VE7BV	123
K6YUI	K7LFY	W2WC	W8MK	AB1OC
K9ZM	K8BCK	W4IS	W8REW	AC4TO
N6HY	K9GL	W6RKC	W9ILY	DL7JRD
			WB0O	F4GTB

G4WFO	121	PZ5RA	K3FRK	VE3YF
G5LP	AA6RR	RL3BZ	K3WGR	W4ZRZ
HB0WR	DF1DB	SP7ITB	K4CNW	W6SL
IK2CHZ	DK1EI	SV1IW	K7PI	W8ZR
IK3XJP	DK6CQ	UR5IKN	K8LN	WA2USA
JA0CRG	HB9DHG	UR9QQ	K8WVA	116
JA1SJV	IK2SGB	US0YA	K9DR	AA8CH
JA3MHA	JA2HYD	W2YR	KD2T	AJ4F
JA6WJL	J14WAO	W3OA	KD6UO	DL7URH
JK1EXO	KD8RQE	W4PRO	KG8CW	EA5BRE
JR1EBE	KG9Z	W6RFL	KV4AA	HA7PF
K2PK	N0OK	W7RN	LZ2HM	IK0EIE
K3XO	N1JP	WT4Q	N2MM	IK2OHG
K4ZIN	N3ND	ZL4AS	N4DJ	IT9TQH
K5GH	N6HC	119	PY2PA	IV3HYD
K7UT	SV1AHX	AA3AZ	RN3TT	JA1WTI
K9CS	UQ1GWW	AA4DD	SV9COL	K1DC
KV4T	UT4EO	AE3T	TA2RC	K1RI
N2ED	UU2JQ	AJ4A	VK4CAG	K9FN
N4DWK	VA3AYA	DK3GG	W1KSZ	KT1V
N6MZ	W0QQ	EW4M	W4DAO	KV1J
N9JV	W2GG	G4DJJ	W4NJ	NA9Q
N9LQ	W3RJW	HB9AAQ	W5JMW	OZ1LCG
NA2P	W6XI	HB9BCI	W9FI	PA0JSE
NA9RB	W9XX	I2TZK	YO4AUL	RV3ID
S50B	W9YE	I4MKN	117	TZ4AM
UA3DK	WA1PMA	IU0LFQ	9Y4VU	UA4PCM
UT3QU	WY1G	JA3AZD	AE0P	W1ENE
W1AO	XE1VIC	JA4XGC	BH4IGO	W1WEC
W4NF	120	JE2JMV	DL1DWT	W7GG
W8NJR	9A5F	JH6CDI	G3PLP	W7OEV
WB8K	AC9EM	K5UZ	IT9AAI	W8LRO
WV4TN	AL7TC	K7EG	IT9DAA	WQ5L
XE1H	DL2VWR	K8KWT	JA1HQT	115
122	EI2GLB	K9SG	JA4FM	AA5JF
BA4RF	FG5FR	N0KV	JA7GYP	C6AGU
G3NDC	HB9BLQ	N9UA	JA7IC	CU2CE
JA1MRM	IZ0LKV	NT2A	JM3GXU	DL9GOA
JH1AGU	IZ5NFD	NY7T	JR2UBS	G4XEE
K1ESE	JA4EPE	OH5NG	K1BZ	G8BCG
K1YT	JR3UIC	OK1DT	K2BB	G8DX
K2MP	JR6LLN	R6FFB	K6PJ	HA5UK
K7ZA	K2BA	SV1ACK	K8OOK	HK3PJ
KR0P	K2HK	W0RX	K8QM	IZ7JVR
LA7WCA	K3QIA	W4HZ	N2BJ	JA2KNW
LA8PT	K5JC	W8FIB	N4IR	JA3NHL
N3NR	K6FW	WC2K	N6MB	JA5FDJ
N9AW	KA8ZPE	WP3R	N8AA	JG3LGD
NN7X	N4BAF	XE1RCS	N8XI	JH1RFM
OZ3Y	N4LR	118	NY4G	K0GD
RD4A	N4TB	5T5PA	SM7BIC	K0SD
UU4JMG	N4TL	AB2E	SP8HKT	K4CMS
VE6AX	N4UFP	DL5OCE	UA6J	K4GHS
W2TB	N8PW	JA4FHE	UB3A	K4GK
WA3I	OE3EVA	J18DGO	UR9IDX	K5XM
WA7BNG	OZ2A		US1CT	

K8YTO	DJ5DT	EW1DO	JA1AUD	K4WW
KO8SCA	DJ9RR	G3XGC	JA1FGB	K6MI
LY4T	DL8CM	HB9CEX	JA1NCZ	K6VKO
N0IRM	DL8DYL	HB9CRV	JE2EHP	KB4MRX
N4OA	G4AFJ	HB9G	JE8TGI	KC2STA
N5BO	HB9EFK	IK2ANI	JF2WGN	LZ1PM
N8KOL	JA0GCI	IU8FRE	K5WAF	N2CG
PA3AXU	JA1OVD	IZ4DIW	K7ORK	N3HBX
RZ6MJ	JA4ITW	JA1SXR	K9AJ	N3IQ
UA1ANA	JH1ORA	JA4BXL	KM1R	N3JB
UA1CGS	JH3GCN	JA7BXS	KZ0X	N4KE
UA6XT	K0TPP	JR7TEQ	LA0CX	NC6K
UN6T	K2HAT	K0JPL	N4WJ	NK7C
W4UCK	K8SL	K1EDG	N7BD	NY4I
YL2CZ	K9GWH	K1KO	N9HF	RD9M
	KA4RRU	K4UAS	NA1DX	SM5BHW
114	KH6DX	K8CC	UR6QA	SP9WZS
BA4DW	KI0G	KB2FCV	UT1UY	SV1VS
BA7IO	KT1J	KI4DLS	VE6KC	UA3O
CT3FN	N7KO	KM1C	VE7CT	US7MM
CU3AK	N9ISN	LA8HGA	VE7UF	W0UY
DL6NB	NA3F	N5ZC	W0VHF	W3XY
F6CWA	NG0G	N6MA	W1FO	W4DC
G3SDL	NI5F	N6PE	W4HOG	W4NE
HP3TA	NK5B	RU4SU	W4OX	W5ZPA
I5OYY	ON5UE	SM3DMP	W5AQ	W6KK
IK7YZG	R7NA	UA1ACG	W7VS	WL7E
IW0HEX	RA4UN	UA1CEI	W8KA	XE1FAS
JA4KDT	RZ3AUL	UT6UD	W8MIL	YU7AU
JA5WIZ	SM5ARL	VE7XF	W9RB	ZL3NW
JH6WMJ	SP3EPG	W1HEO	WA2BOT	
K1RV	SV1FKZ	W2CVW	WA2MUA	109
K2DC	SV1JFV	W2SKI	WB4TDH	DF1KG
K3MD	SV2AVP	W3MR	WB9EEE	EA3GHZ
K3NF	UN7TW	W3UL	YL3DQ	EU4T
K3OSX	VE3KI	W4VHF	YO6HOY	F8EZE
K5CD	W2GW	W5VX		G3SVD
K5RJ	W6BK	W6TC	110	J68HZ
KB8U	W8FAX	W8GEX	BA4MY	JA2CXF
KZ4V	W9DX	W8HMK	DG7RO	K2ONP
N1QY	W9HBH	W9SE	DL1VDL	K4RDU
N2JJ	W9VNE	WA8OLN	EA5BYP	K5FZ
N3MN	WA4DOU	WT9U	F5BAR	K5KA
N4IQ	WB2HJV	ZP6CW	G3LNS	K5KPE
NU8Z	WB2UFF		G8AJM	K6MW
UA3FT	WS4C	111	HC1BI	KE1F
W0VX	WX3P	AA4U	I2BBJ	KZ5DX
W4TUN	XE1RBV	AB4GE	IK5RUN	N1BZ
W5VY	ZL1BYZ	AF4OX	IK8UHA	N2WLG
WA1FCN		CU3AN	IZ0CKJ	N7TY
WA8MCD	112	DK2WH	JA7EPO	N8NN
WA9YYY	A92IO	DK6ED	JE2UFF	ND4V
WN9O	DJ1RL	DL1HRN	JH1VHU	NN4RR
XE3ARV	DK5RL	EV1R	K1EO	NU4I
	DL5CL	F6ECI	K2BLA	NX7U
113	EA1JO	G4DBN	K3JRR	PY5CC
9A1A	EI8IU	HL3GOB	K3PH	RW4UU

RW9QA	WB8BZK	WB8ART	W2LE	RA6AF
RX3AGD	WC1M	WS1L	W2NO	RD4WM
TG9NX	WC6DX	XE2YWH	W3ICM	SP5JXK
UB5ZAL	WD9EQU	YL1XZ	W4IR	UA6LCN
UT7KF	WW1WW	ZL3RJ	W5JAY	UR1RWX
VU2CPL			W8OP	UR2RGN
W5WP	107	106	WA4MYO	VE1PZ
WB5TUF	4Z5LA	AA4FL	WA6TLA	VR2MY
WN0L	DJ8ES	AE2U	YL2GN	VY2ZM
YV3AGT	DK3FB	DJ6OZ	YU3EF	W1LE
	DL1QQ	DL2NOM		W1LY
108	DL2CHN	DL3JSW	105	W4OWY
AI2Q	DL5XU	DL6JZ	DF2PI	W5KI
AL7R	DO4DXA	EA3CCN	DF8AA	W6FF
DL6CNG	EA5AT	HA8DZ	DJ3XD	WQ5W
ER1LW	EA7QW	IK0ZIO	DJ6KH	YU1NR
G3VAO	FG8OJ	IW3GJF	DL4ZAB	
HB9BAT	G4AKY	JA1VLK	DL6XK	104
HB9FAN	G4RGK	JA2MNB	DO1CTL	9K2OD
IK0PRG	HI8R	JE6IGP	ES1GO	9M2AX
IZ0BTV	I5IHE	JG3HBO	G3YUV	AD1C
IZ2EWR	IT9XTP	JG5RVQ	HA8FW	AG4Q
JA2MOG	JA5EY	JH2KKW	JA1BWA	AH0U
JJ2PIK	JA8JTH	JH6PFY	JA1TAA	CP8HD
JK1MZT	JH9DRL	JJ0NCC	JA4EVN	CX3CE
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K1XM	K3SW	K0DEW	JA7BME	DL4FAP
K2CJ	K3YBN	K1PX	JA8RRF	DL7UPN
K2KQ	K4SAF	K4DSE	JA9APM	E73D
K2MK	K8LBT	K5AM	JF1RYU	EA8ZS
K4WY	K8ZR	K5ZQ	JO4CFV	EI9E
K4YJ	KB9DAK	K8JJC	JR1BAS	F6AJA
K6UT	KE2R	KD9HL	K1DJ	F8GB
K8OM	KZ1W	KK8X	K2XF	G3BRD
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KN4JX	N3DAP	KP4AA	K5AV	HK3O
LU2DKT	N4RF	KQ3F	K7OX	IK0DWN
N4MEC	N6EE	N0JZ	K7PO	JA1SDV
N6RFM	N8AGU	N2CW	K9RO	JA2FGL
N9SF	NA5Q	N2SQW	KI5T	JF1EGO
N9TF	OE1CP	N3XM	KT2E	JF6WTY
NU4Y	OK2BUZ	N8AID	KX2A	JK1BSM
PA0ZH	OK3CQR	NA5Z	LZ1JZ	JO1WXX
R5FY	R0FA	NI5M	N2DPF	K0WK
R7LA	RN4AA	NS3L	N4JI	K1BG
RX6DX	RV6ARZ	OE5CSP	N4NW	K3FM
S57J	SP3BQD	OH2OT	N4PL	K4KEW
SM6AOU	SP6AXW	OK1AYU	N4SC	K4MF
UX7UN	US5CB	OK2BVG	N4VN	K4VIG
UZ6LWZ	VE3OI	S57AL	N6NU	K5HK
W2UB	VK3NX	UR3CRO	N7DR	K6UM
W3NRJ	W3KB	UT7UU	ON7PQ	K7TJR
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W7ACD	W8IW	V73AZ	PF7M	KA2BZS
WA2ALY	W8VK	VQ9SS	PJ2/K8ND	KH6KG/W5
WA4CEM	W9CPV	W1CWU	PY2DS	KI0KB
WA8MOA	WB6CJT	W2EQ	R6YY	KW0A

LZ2XF	G4PUQ	YO7APA	T77V	K1YR
N3ER	G4VGO		UA1AIR	K2BX
N3TR	I0OSI	102	UA1CKC	K2TER
N4GU	JA2GQO	A6/RV6LNA	UA6HOF	K3SEW
N4TTE	JA2OLJ	CT4BD	UA9MR	K4NNX
N6PF	JA3FHL	DK3QM	UA9UCO	K5DNL
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ND3L	K2UVV	DL5RDI	W1PV	K8BN
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RA1QX	K7BTW	EI6GF	W3EKT	KC4PX
RU3UR	K8CCV	ES5RW	W4ALF	KD3UY
RZ6DX	K9MUG	F6BWO	W5TO	KE1VT
RZ6LB	K9XJ	FM5WD	W7IUV	KE4S
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SO5AS	KJ7WY	IT9SFT	WD8DSB	KQ1F
UA9FGJ	KM9E	IZ4MJP	WS4Y	KS4XQ
US5CAO	LX1DA	JA0HXV	WW5G	LA2GV
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UT7EC	N1HOQ	JA6OXT	YO2IS	LZ1XZ
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UY0MM	NU1T	K0YN	101	N2AJ
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W0YBS	OH4UI	K2LP	AA3LX	N8AG
W1QA	OK1DQT	K2TK	AA4NU	N9JCS
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WA9ETW	SM3CBR	KN4KL	DM3ML	ON4LG
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YO5ODE	SM7BHH	KY6R	EU1TT	PA4WM
	UA3PFN	LA3ANA	G3ZFC	RA3AH
103	US2WU	N5RZ	G4FJK	RA4P
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EU6MM	W4MZ	RU3UN	JH3HGH	UR7CQ
EW3LB	W5THT	S59DJK	JH3PRR	UT1CC
G3BDQ	W5VU	SM6WET	JI3KDH	UT4IS
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VE2OJ	JA5DQH	OK1DXD	ZS2DL
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VK2GR	JF3DRI	ON4ANN	
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W1FC	JS6TWW	ON7GB	
W1GF	K0FLY	ON9CC	
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W4BUE	K1NA	PA7RA	
W4PM	K1NZ	R3PJN	
W7AV	K1TZQ	R9JX	
W7CB	K2CBI	RA3SD	
W8GB	K2CYE	RA4LW	
W9MAF	K3TZV	RA6XB	
W9ZCL	K4FT	RC2A	
WA3EKL	K4KSY	RN1A	
WB3HLH	K4QS	RT5A	
WC4H	K4UQC	RU3GF	
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WR2G	K8BZ	S59SV	
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	K9NZ	UA4PAY	
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9M6YBG	KC0V	UN6P	
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AA4AK	KC5LT	UR4LRG	
AB4VV	KD8BZY	UR8IDX	
AC4VM	KP4N	VE1RGB	
AI2S	KQ5M	VE3OAT	
DJ6OI	LA8W	VE7JKZ	
DL1TPY	LU5OM	VP2VA	
DL1TRK	LU5YF	VR2PX	
DL9GTB	LZ3YY	W0GYH	
DU7ET	MM0SJH	W0MU	
EA1CP	N0AH	W1AN	
EA2AAZ	N0ATQ	W1YRC	
EA3ALD	N1KI	W2CCC	
EA8AXT	N1MD	W3BBO	
EC5A	N2SG	W4HHN	
ES5NC	N2XQM	W4MAY	
FM5GU	N3AF	W4OEP	
G0VXE	N4CRI	W4OV	
G3OIL	N4ZR	W5BK	
G4CGG	N7DED	W7DT	
GM3ZSP	N7TK	W7JET	
I2VGW	N8IL	W8CNL	
IK0HFO	N8NB	W8FN	
IK4MSV	N8OQ	W8GDQ	
IS0/YO3RA	N9ADG	WB4SON	
IW0BYL	NA6O	WU2M	
IW0HQE	NB3R	WV9L	
JA1BRK	NG7A	YB1TJ	
JA1CPU	NJ3I	YL2SM	
JA1ILA	NN4SS	YO9FLD	
JA4FSH	OE5JDL	ZP9MCE	