

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 02 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	328 UA4CC	317 W3LPL	RA7A RZ3AM SP2FAX	N4IS NN4T SM3GSK UA6A	VA3EF
341 EA8AK	325 EY8MM K9UWA UA2FF	316 IK4WMA K5RK N1DG OH3SR W2VO	310 I4AVG I4EWH RA3CQ SM5BFJ SM6CVX W5IZ	304 DJ0MDR GM3GAV	299 K4TEA N1BUG SV1FJA UX1UA W7UT
340 K1ZM	324 K2TQC K4PI OH2BO S50A W1NG	315 PE5T S50U W1JR	309 IK4MGP	303 F5LGE G0JHC GM3YTS JA1BK JA4LKB K1UO RU3DX	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ RA3DX SM5CEU
339 W4DR W4ZV	323 SP5EWY	314 IK4GME NX4D OG2M OK3GU OZ1LO RW2A UA4CR	308 IV3PRK K4SV K8GG N4RJ UT3UA	302 N3XX SV8JE	297 DK5PR N4CC OM2XW W0FLS
335 OH2BU R7LV	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	307 DJ7MI OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ PA3FQA SM3EVR SP3EPK	296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ
334 N4WW	321 WB9Z	312 OH1MA S54E	306 DL4MCF EA6SX K4CIA SM0AJU WT3Q YU1FW	300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU SV8CS	295 K3UA WD5COV
332 UR0MC	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 CT1EEB JA7NI K4ZW		294 DL1AMQ JH2FXK
331 K5UR LZ2DF UT7QF	319 N0XA SM4CAN UT5UGR W9ZR				
330 AA1K HA0DU OH1XX R4GM	318 4X4DK				
329 K3UL UA4HBW					

JR2KDN LA5HE N0TB RJ3AA	WK3N	281 DF2PY JA2PJC K1CP S59Z W4TO	I2AOX IK4CIE K2UO K4IQJ KF2O SP6AEG UW2ZM	K8PT RA3XDX W1MK	K5KC N6SS NO8D SP1S UX0FF
293 IK1GPG JH4UYB S58T SM3NRY	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	260 I1FQH K1LT K4DY UT9FJ
292 G4BWP IZ0AEG OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W5ZN W8TOP	286 DJ2YA K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 F6AOJ IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC K2CL K5BG RA3DA SM6CCO UA3DPM	266 K1QX NR1R R3LA W8TE W8XD	259 DF4PL G3ZSS IV3ODE K8FL R9FM
291 9A7V I5NPH KD9SV R7NW SM6CMU SP3E UA3LAR UT7UJ	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	258 KW9A N2NL N8TR RN3CT VE3QAA
290 UA3AKO UT1UY	284 IK6DLK NJ6P SP3DV UX1AA	277 AA4MM DJ9VA DK5WL IK5BAF K1ZZ OH3BU ON7TK	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV SP9JZU	264 IK2YCW IK5HHA K7ZV N3NT R5AJ	257 AA1QD JH1GZE K1GUN K9NW N4II W9YSX
289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX US5WE	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 F6GCP G3LZQ N8RR OK1AWZ VE2Tzt	270 AA1V KD5M LA3MHA OE5KE SV8BHN	263 IZ1ANU K9OW KX4R LA5IIA W2SM W3AP	256 9A5CY JA5BZL K5VRX KY7M ON4AOI SV8GFW W1TSP W3DF
288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY W0JX	282 DL1YD HB9BIN I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	275 9A1CCY F5NBU	269 K6ND W1ZC	262 G0DQS KR9U N5KD W1YY	255 K4QL N2MF VK4MA W3KX W5OZI
			268 DL5DSM G3WPH	261 9A4T DL9YX K2EK	254 I1EIS

N0AT OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R OE2LCM R7IA WA7NS WB3AVN YO9HP	OK1CF	237 DL7MAE IW1ARB OM4EX WA7NB	K2AZ K4XL NI6T UA3AP	226 9A8A DL5WW JA6BZI JF2KOZ JR6EZE K9FD* ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT
253 5B4AGN IV3YYK JQ3DUE K5ESW R5DT S58Q UA1OMS W0YG	246 DJ2TI F2JD IK0MHR JF8QNF N6TR TF4M UR5EDX W2TQC W5XZ	JA0DAI JA1SYY JA3EMU K5ZK KA9CFD N4XM N5TY* N7RT OK1DWJ SP5GRM UA3TT VE1YX VE3NH	236 AB4I K1JO K5EK K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	231 4X4NJ HA9RE N6AR N7NG ON4ACG W9IXX	K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP8NR VA5DX W7KW
252 EA1DR JA2VPO JF2MBF JG3QZN JR3IIR PA4VHF S52F W3UM	245 DL4CF JA1GV JA7QVI N9US RL9F RY7G W9XY	240 EA6ET JA5MHD JR3GWZ K0JUH K0KT K1DG K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JA0FSB JH4ADV K3SWZ N6DX R7DX VE3XN	230 JA1CMD JA2NDQ KD0Q N8JV SM3NXS W4GF W4VQ	225 A45XR JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP8NR VA5DX W7KW
251 DJ7RD DL9RT JH0BBE PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IZ8FFA JA1HGY ON4IQ SV1RK	239 AJ6T IK0YUT K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF UW5ZM W3LL	234 IK6FWJ JG1ULJ K1AR K4UTE KF0QR PY1BVY S51DI W7AO	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	224 IZ8FWN KV7K MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ
250 AB3CV HB9RG IK0XBX NQ1K OZ8BZ SV8CKM	243 DK2JX DK3DG JA0CRI ON4ATW S57A W9RPM WX4G	238 AC4G DL8WN IK0XEZ IZ1LBG NI0G RA0FF VO1HP	233 DF6PB DJ5FI JH1HGC K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC	228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JA2WYN JH2TPI N1LN RT6T SV2JAO UR5FEO ZS4TX
249 AI9L K9RX SP5DRH	242 EA4KD G8VR KG7H		232 EA1N FK8CP JA8EAT	227 DL7HU ES1RA I3BUI IK0HBN JA1UQP JA9CHI K1FK K3NW N6JV W9BF	222 IV3JVJ

K3SV K4MWB K6EID K8FH K8ZTT N4PQX N5AW N5JR N8PR N9BX SM0CCM	K5EJ K5UO UT4MF W5PJR 217 DM5EE JH1IFS K5PC ON6YH UA3AGW	RU4SO W0LYI W1FJ W2WG W3YY WS9V 212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I SM5CZQ W1ECT WA5VGI WB9CIF	208 G3NSM I4LCK K2FU LA7HJA N5ORT RU3ZX RX3APM UN5J UY1HY W6PJ W9EWZ	K4XO K9US KK4SI LX2A N4NX N4QS N7FU SM2OAN UA0SR US6EX W2HUV WD8PKF WF4U WI8A	CU2DX DL1EJA JF1PUW JO7WXN K1GG K3HP W0MHK W2IRT W5TCX 200 G0OIL IK0FVC JA1GTF JH2RMU K1GE LA5YJ RW4NN RW7M UY0ZG W0DD W3GG
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	KE9I KG6I N1ZZ N4MM NX0I SM5CZQ W1ECT WA5VGI WB9CIF 211 EA1RT IK4DRR JA4DEN K3WA RU3SD	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW PY2XB W0LS	203 AA5AM JA2XYO JE1PNX K9MMS KK2I NK1K OH1TV PA0A R6AF W7DO W8GC WA2HZO	JA1GTF JH2RMU K1GE LA5YJ RW4NN RW7M UY0ZG W0DD W3GG 199 G0BNR JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
220 AG8B DK2NG HB9LCW HL5IVL JF3KON JR4OZR KA1R OZ1AXG VE3EXY	215 JH0INP N7JW W0UO W2LK W6YI	210 I8SAT JA7MSQ JJ2LPV RV0AR UW7LL W7JW	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC N8DJX SM6BZV US0KW VE3BW	202 DK2LO DL1MGB DL2KQ DL9DRA HB9DDO JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S UA9FAR W1NT ZL3IX	K6GXO KB8VAO N4DW W1TO YO2DFA 198 DL1ROJ G3UJE G4BUE I5KKW IT9JNR JA4PXC W8HB
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	205 F6EXV I4KDJ JA3AAW K9YY KA9FOX W8UN WB8ZRL	JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S UA9FAR W1NT ZL3IX	IT9JNR JA4PXC W8HB 197 G3SNN JA0EOK JE1BMJ JH1QAX JH2UVL K8NVR LA7AFA OE4PWW OE5FIN ON4CD RZ6FA
218 AD5A DJ4PI DK0PM IK1YDB JA6LCJ JA8CDT K0EU	213 DF2IS EI3IO HA1RW JF6DSZ K1ST NA2M*	K5RT KG9N N9LB VE1DX W0ZR W7KNT W9OO	204 9A2NA DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW	201 AG4W	

UA0SC	N5LZ	EA8PP	184	LA9AJA	JA0DET
UT5EL	N9EN	FM5CD	HA5WA	N1RR	JA5IU
W0FS	PA0LOU	K4CN	IW0SAF	N4AH	JA6BJV
W4UM	RN1ON	SM0NJO	JF1NZW	ON5FP	JA8KSF
XE2X	UA0CA	SP7HOV	K4HGX	W2OR	K8MN
	W9MU	UA7T	K5KLA	W7BEM	N5OK
196	WA2VYA	WA3C	KB4ET	W8TN	RL3FA
4Z4DX	WE9R		N9RC		SM5FUG
AA4HP		188	S57AC	179	SP1MGM
IK4PLW	192	AB4IQ	US8UA	IT9ELD	W4BP
JA3RAR	JA7JWF	JA1KQX	UT2UB	JA9NLE	W4GD
K8PO	JH1RFR	JA8DNV	W2YJ	K0TT	YO7NE
KP2A	K3FN	KB0EO		K8WK	
ND0N	K4FJ	KE9ET	183	N2PK	175
RA9CMO	K5XX	KL0S	CT1FPQ	OK1MG	JA1CHN
RZ4FO	K7GM	N8LJ	HK3W	S57UN	JG0CQK
W2FCR	K9EU	RM0F	IT9INO	SM4DDE	JH2QMT
	KF7PG	W1YM	K8RRT	SV3FUP	JS3CTQ
195	LA0FA	W6SR	K8VC	W8KEN	K4DLI
EA3JL	N4DB	W8JV	N9MB		LA5LJA
EA5RM	NE1B	WA6YEE	NN2L	178	N7IR
G3ZEM	W3UA		ON6SAS	4Z5CX	PE1L
JA1EOD	W3YQ	187	W2FP	EA3CJ	TF3SG
JA1XEC	W8LGJ	AJ1H	W8NW	JA4MRL	VE3FF
JN7FAH		K0SR		JL1SAM	W8HC
K3PA	191	K6SRZ	182	K2UR	WA9PIE
K7SO	CT3MD	KN5O	DJ9ON	N7XR	WX0V
K9RT	JA1ANR	N2NS	DK3UA	NE0U	
KF8UN	K0BBC	OK1CZ	JA1SHE	SM7DLK	174
N1SV	K0JGH	SP3FAR	JA3ENN	SV1JG	JA0GJJ
W4FC	K8FC	W7AWA	JR7BDQ	W6NWS	JA1PPW
W5ZG	K9LA		N3OC	W7MEM	JA2XW
W9OP	RK2FWA	186	UR3EO	ZS1LS	JA7MOL
WN6W		IK2QPR			JF7DZA
	190	JA2LCP	181	177	JK1OPL
194	IZ8XQC	JA2ZL	DK3WW	9H1SP	JR6PGB
K4KDX	JA0VSH	K0BJ	JA2BDR	AE5E	K1KI
K9JF	JA1DUH	K7LAY	JA9TWN	CT1GFK	K2KA
KB9LIE	JA1MCU	YL2TW	JN4MMO	K3WC	K3AJ
OH2IS	K2TE		K2EP	K4RG	K4TR
SM7GIB	K9KU	185	LZ2ZG	K5GKC	K4WS
W2LO	KB1EFS	AB6QM	VE3OSZ	K9NU	N1EN
WD8JJA	KM1D	CT1EAV	W1RM	OK1DWC	OE1WHC
	N4XU	EA6BF		PY5EW	RN7F
193	N5GH	G3KWK	180	SM6DHU	UA3LNM
CT1IUA	SP2LNW	IK3SWB	4Z5MU	W5LT	W8UV
DF2GH	VE7VV	K5ZD	DM2DXA	W7FI	W8VVG
DK1FW	W9AJ	LA3WAA	DM3VL	WB7B	WT8C
DL5ZB		N4TJ	EA8JF		
DL6ZXG	189	N5UR	IK4ADE	176	173
EA3WD	9A2F	OE2BZL	JE2URF	EU1AB	5B4ALJ
HA5BSW	AA1ON	SV1DPI	K6SSS	G0BLB	I1JQJ
K4ODL	CT1FMX	UA9CBO	K7BG	I6FLD	JE2LPC

JE3ENP	169	WA4LOX	DJ9HX	JE2OVG	AC6DD
K1NTR	JA1ADT	WB0TEV	JE2LUN	JF2XGF	DL4MM
K4XR	JR1IZM	WC5N	JH4CPC	JR7MAZ	EA5BY
K9YC	K1LI		K7NN	K3MSB	G3TQZ
KA1J	N4XX	166	K8TL	K3RA	HB0CC
N5FG	N7US	4Z1UF	OK2QA	NR4M	JA1GHH
RC9F	RN3OG	DJ4SO	RW3RN	RU6L	JH7IAJ
UN9L	UT8MM	IV3TDM	UR4CWQ	UA0FZ	LY5A
VE6WQ	UY5AA	JA1FNA	VE3CFK	UX5UO	N5MOA
W3IP	W6RW	JA9LJS	W7AL	W1BR	NE9Z
	W7Yaq	K1KA		W5XC	RU4UR
172	WB3JFS	K3KY	162	W9RN	SM3PHM
EA7TV		K4JLD	4O3A	WX0B	SV8ZS
G3NKC	168	K4PB	9A4W		W2TA
HB9FMN	G3MXJ	K4WA	F3AT	159	W5GZ
IZ5MOQ	HB9TKS	K4ZYU	HB9BUN	DL6MRS	WS7L
JA3FGJ	I2ZGC	NY0V	IZ4DPV	JA4FKX	YV2IF
JG3IWL	IK2EGL	RM3DA	JA6GIJ	JA9APS	
K0DEQ	JA6VQA	W0DJC	JH4ALY	JH6QFJ	156
K1BD	JE7JDL	W1RR	JR5JAQ	JL1RUC	AB9V
K6FG	JF2UPM	W8ILC	LB6KC	K4RO	FM5BH
KJ0M	K4XD	WA8TXT	N8MR	OK2ZV	IZ8IEV
W3JX	K5QY		VE7SL	UN7JX	JE3GRQ
W4FQT	K8RYU	165	W0HT	W3HKK	JO7HAM
WC4X	KR4F	DL7UCX	W0TT	W6BJH	K0QC
	N4QQ	F6HDH	W1LW	W7SX	K8YSE
171	N8BJQ	IK0AGU	W2XL	WD5BJT	KS1J
AA9D	PA7F	JE7RJS	W8WEJ		N3RC
DL6KR	SP5GH	JH7CFX		158	N3UA
G0EHO	SP6EQZ	K5JZ	161	AA6AA	N7WS
HA9PP	SV2AEL	KK4CB	DK2GZ	CT1FCX	UA3SAQ
JA6HUG	W4SVO	N4HB	DL6RAI	DJ4PT	VA3LX
JR1TNE	W6VX	N9FN	HB9DHK	DL1FKA	W1YIF
K1NU	W8OI	SM4CTT	IK0FUX	G4GIR	W4TV
KI5BLU	WA0MHJ	W5BN	JA1DOF	JH1TWT	
N0RN	WA5YNB		K1USA	J11FXS	155
N4OGW		164	K5GO	J11NJC	DL1RK
N7RO	167	GU4YOX	K8ND	JR1GJP	DL4SZB
RA3DNC	DK5AD	HA7UW	LB2TB	JR3OEH	K2LS
SV1LK	EC3A	HB9BZA	N4GN	K1CA	N2ZN
WA3AFS	EI6FR	JA1RTX	OE5RLM	K5TT	NE0DX
	IT9DSZ	JA7ZP	OH6RA	K9GA	NW7E
170	K6KO	JH2SON	VK3HJ	KQ4AV	SM6VR
DJ6TK	K8NK	K1NJ	YU2TW	OZ1HX	W2XI
IK0PEA	K9MBQ	N5WA		RU6M	WE1P
JA6JPS	N0IJ	RA3ZH	160	SM4EMO	WS5W
JF1WPB	N3BNA	W4DKS	AD5Q	W0SZ	ZS6EZ
JM1GYQ	OH2BLD	W4NS*	DK1WB	W1OX	
K6ZZ	PA3C	WP4G	DL1DA	W3GQ	154
N4PY	RA1AOB	WW3S	EA3GP	W4QN	3V8SF
SP3GTS	RN9N		IW2FND		GM3PPE
SV3KH	S51EC	163	JA2EPW	157	IZ3ENH
W9EVI	W1YW	9A2JK	JE2DZC	AA4H	JA8NFV

K0KVR	EI9JF	K4YYL	W1ZT	WD5T	NJ3K
KR2Q	F3SG	K7HP		YO3CD	SV3FUO
NX8Y	HB9SLO	K8ME	145		W2CG
SV1CNS	JA6BEE	R8TX	AF4HX	143	W3BW
W1NA	JH1NYM	SM6CUK	HI3T	DL6EN	W4JVN
W5DNT	JR1XIS	UW7UA	IT9ZZO	HB9RYZ	W4VIC
YS1RR	K2AX	W0GG	JE6TSP	IK8GYS	W4WT
	K2FW	W7HPW	JH4HMG	IT9BLB	W8GNM
153	K8ROX	WB8B	JH7RXU	K7CMZ	W8HW
AJ9C	N5JB	WD5K	JJ3HGJ	K7CW	ZS1C
CU2AP	OK1ATP	YO3DDZ	JK1AJX	N2RJ	
DF2RG	RD3A		K3VAT	N5UW	140
DL1DUO	RU3A	148	K4OY	N6PAT	9A1CAL
DL3ZA	S54A	DK2CC	K8BL	NN4R	JA4OK
G3TJW	SP7AWG	F5CQ	KF6HI	W0IZ	K5WK
HL2CFY	SV9AHZ	F5LVL	KR0P	W6QUV	K6KLY
JF1IRW	W7CT	F5PAC	N1CGP	WB8CQV	KF8DX
JR9OPJ	W7RH	G4FTC	N4GG	WB8ZRV	N4XP
K7SP	WA1Z	JA9RRH	N6PSE	WD9DZV	OH6NIO
K8VFF	WA2BCK	JH1QDB	N8OC		ON7DR
KD0PO		N2WB	OE6VIE	142	UN1L
LZ1PM	150	N5XZ	RT0F	AB9M	VE6SV
N4TV	EA1AF	NE3F	SM3DTR	I5HOR	W0SEI
N5TW	IV3RAV	W5FKX	W5ADD	JA2ATE	W4NU
N8II	JA1SVP			JH0BQX	W7IV
R9OK	JA2NQG	147	144	JR7WFC	W8LWU
SM6CLU	JL1UXH	AA8CH	CU3EQ	K3PP	WO2T
SP5CCC	K0RS	IV3VBM	DL5CW	K4WZ	YL2MU
UT5UY	K1OA	JA1XQC	DL5KUA	K6EME	YO9FNP
WB8BPU	K5TR	JN1BMX	E70T	KK1W	
	K5VWW	K8UT	EI6IZ	KM3T	139
152	K7LV	KM1H	GM3ITN	MM0SAJ	DF7EE
EW2A	K8AJS	N1IBM	HB9BYQ	N7QT	DJ4XA
JA2VQF	KU4XO	NA5C	HS0ZEE	NA4D	DL5EBE
JT1CO	LA6OP	PC3T	I5MXX	NQ7R	DL8OH
K9MK	N3QE	W1OP	IT9GSF	NY2NY	DS1JFY
KS3F	N9CO	W2KKZ	IV3DXW	OK1DO	HB9CQK
N9OY	OE8SPW		IZ4GWE	W2OO	JA1TMG
S55ZZ	ON6AA	146	JA3GN	W5LUA	K2RET
UA6IGI	SQ5EBM	EU4A	JE1FQV	W5VQ	K3ANS
UN7LZ	UA6YW	JA1HQG	K0VSH	WA5POK	K6AM
UT5AB	W2/CT1GIF	JA4DHN	KJ9C		K8GI
VE6LB	W6DAO	JA5XAE	LA9GX	141	K8RF
W1SKU	WW2DX	JH1GNU	LA9VFA	AC9S	KA8SYV
W1VT		K5KV	N1IX	DL5MHQ	KU0A
W6RLL	149	K5SM	N2WM	EW1BA	LA8WG
W7AJ	DL7CX	K6NR	N3KK	HB9FMT	OK1MP*
W9JJB	HB9HFN	K7WP	SM4OLL	JA1PTJ	SM5CBM
WB3CQM	I0JBL	LB5WB	SM5CLE	JH1HHC	SV8ZC
	IK4FNF	N7BT	W4GE	JH4JNG	W0SD
151	IZ0RVI	OH1JP	W7ZI	J11DCW	WA8WV
AA7G	JL1ARF	RU0SN	W8RLS	JR2LJO	
DK2OY	K3TN	W1IZL	WC5M	K2RW	

138 DK8MCT DK8YY EI9FBB F6DDR IK8EPC JA3OOK JF3LOP K1RO KJ6P NA5DX OZ8X RW4CY UN7JID V51B W1GD W2YE W4YV W7OM	135 5B4MF AG1A BA4RF DJ9ZB F6FXU IZ7EVZ JA2KVD JA7LMZ JA8BNP JA8JL K1ZE K4TT K4ZRJ K7FL K7XB NZ9R R3VA R7LP RN3RQ SM3LGO SM5CZK SP3XR SV5DKL UB3A W1DIG W1EQ W2GD W4BUW W4MBD W4RFZ W6DR W6JTI WE4S	SM0BYD UA0ACG W4JKC YU1AM 133 9K2NO EU1U G4XEE IK5DNF IZ8DFO JA6CBG JA7GLB JA9AGN JR6FC JR7FRW K2CDJ KS4YT KU2A OE1KM RA5BM RV4LC UQ2PZ VE3WT W0NFL W2QO W5AJ 132 AA4NC AD6W G3UHU IK3VBB IT9RDG K6YUI K9ZM N6HY OZ2RH SM4BZH SM6BGG SP6M VE3CRG W4AXL W4RBO W4WM W5SL W7AH W7CD W9FR WB3D XE2S	131 DK7YY DL9FCY HS1NGR IV3KFB JA0AOO JA2TBS JH4ADK JJ1TEA JM1FHL K1UU K6SIK K9DR KC2LSD KH2L KM3V KM4H N3MK N4QWZ N5PHT* N6RK ON4ON PY5EG R0SR R9MJ R9SA W8DCH W8KA ZS1A 130 DF9ZW E73M EI2JD G7VJR HK0HEU IK3XJP JA2FBC JG1DUZ JI4POR K2MYR K3NK K7LFY K8BCK K9GL KO8SCA NA4EA NO9E OZ2ABI R5QA R9AB RU1AO S51NM	TA1CM VE3DO W2MPK W9ZT 129 HB9AZZ JA1NWD JA8JO JK1EXO K6XM K8DV LB7ZG N0YY N2BJ N3KS N3RR PA3EWP W0YVA W7QHE W8MET W8MK 128 AA4SC DM2RM IK2SGB JA1XCZ JA2AHH JA2KSP JA5FDJ JA9AA JE1LFX JH4GJR K0FF K3XA K4JAF K4SE K6LPO KG7CW KM4NS N5KM N9RD OE3SGU OZ1IKY R9SG S53X S55DX SV3DCX US8UW VQ9LA W2WC W4IS	W6RKC WB0O ZS6UT 127 AC9EM CT3KN HK1MW JA1DDH JA1WLO JA8RJE JA9KRO JH3AIU JN1RQV JS2LHI K0RW K3TRM N1AC N1GC OE8HIK SK7AX SP6A SP7ASZ W0CP W0RT W1OPD W3BG W3FOX W3MF W8LMG XE1KK 126 DJ8WD F8BPN G4IUF JA7KY JH3CUL JJ1DWT K2ZD K4JKB K4XU N8NA OK3CQD PA5TT VE3CX VE7BV W8REW W9ILY WB2REM WD4LBR YU1EXY
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125	123	OZ3Y	HB9BLQ	K7EG	G3PLP
9A1AD	AC4TO	RD4A	IZ0LKV	K8KWT	IT9DAA
GW3TMP	DL7JRD	SP9WZS	IZ5NFD	N0KV	JA1HQT
HK4SAN	F4GTB	UU4JMG	JA4EPE	N4DJ	JA4FM
IW0HEX	G4WFQ	VE6AX	JR3UIC	N9UA	JA7GYP
JA4IYL	G5LP	VK4CAG	JR6LLN	NT2A	JA7IC
JA6VU	HB0WR	W2TB	K2BA	NY7T	JM3GXU
JE1TSD	IK2CHZ	WA3I	K2HK	OH5NG	JR2UBS
JE6UWU	JA0CRG	WA7BNG	K3QIA	OK1DT	K2BB
JF2WXS	JA1SJV	121	K9SG	R6FFB	K6PJ
JH1AGU	JA3MHA	AA6RR	KA8ZPE	SV1ACK	K8OOK
JI4WAO	JA6WJL	DF1DB	N4BAF	W4HZ	K8QM
K1HAP	JR1EBE	DK1EI	N4LR	W8FIB	K9FN
K5KG	K2PK	DK6CQ	N4TB	WC2K	N2JJ
K9GWH	K3FRK	EI2GLB	N4UFP	XE1RCS	N4IR
KA6BIM	K3XO	HB9DHG	OE3EVA	118	N8AA
KI4WCQ	K4ZIN	IT9AAI	OZ2A	5T5PA	N8XI
LZ1XL	K5GH	JA2HYD	PZ5RA	AB2E	NY4G
N2KA	K5JC	K3NF	RL3BZ	DL5OCE	ON5UE
N3EN	K6FW	KD8RQE	SP3PLD	JA4FHE	OZ5HP
N4JT	K7UT	KG9Z	SP7ITB	J18DGO	SM7BIC
ND5S	K9CS	KV4AA	SV1IW	JN7DOS	SP8HKT
NW6S	KV4T	N0OK	UR5IKN	K3WGR	TZ4AM
OE1AZS	N2ED	N1JP	US0YA	K4CNW	UA6J
RA0BA	N4DWK	N3ND	US1CT	K5XM	UR9IDX
UU7JM	N6MZ	N4TL	VE3YF	K7PI	W3ICM
VE3UTT	N9JV	N6HC	W0RX	K8LN	W4ZRZ
W5DAW	N9LQ	N8PW	W2YR	K8WVA	W6SL
W9CG*	NA2P	SV1AHX	W3OA	KD6UO	W8ZR
W9DX	NA9RB	SV1FKZ	W4PRO	KG8CW	W9HBH
WV4TN*	S50B	UQ1GWW	W6RFL	LZ2HM	WA2USA
YO2RR	UA3DK	UT4EO	W7RN	N2MM	116
124	UR9QQ	UU2JQ	WP3R	N5BO	AJ4F
AA7XT	UT3QU	VA3AYA	ZL4AS	N6MB	DL7URH
AB1OC	W1AO	W0QQ	119	PY2PA	EA5BRE
J11DHY	W4NF	W2GG	AA3AZ	RN3TT	HA7PF
KD2T	W8NJR	W3RJW	AE3T	SV9COL	HB9CEX
KD4POJ	XE1H	W6XI	AJ4A	TA2RC	HB9EFK
KZ5DX	122	W9FI	DK3GG	W1KSZ	IK0EIE
NA2U	G3NDC	W9XX	DL9OBY	W4DAO	IK2OHG
PA0TCA	IU0LFQ	W9YE	EW4M	W4NJ	IK7YZG
UA0BA	JA1MRM	WA1PMA	G4DJJ	W5JMW	IT9TQH
VA7CRZ	K1BZ	WY1G	HB9AAQ	W5VY	IV3HYD
VE1DUN	K1ESE	XE1VIC	HB9BCI	WX3P	JA1WTI
W2JU	K1YT	120	I2TZK	YO4AUL	JE2EHP
W2RIJ	K2MP	9A5F	I4MKN	117	JH3GCN
W3FM	K7ZA	AA4DD	IK0ZIO	9K2OD	K1DC
W6CYX	LA7WCA	AA5JF	JA3AZD	9Y4VU	K1RI
WB8K	LA8PT	AL7TC	JA4XGC	AE0P	K6RO
WT4Q	N3NR	DL2VWR	JE2JMV	BH4IGO	KT1V
	N9AW	FG5FR	JH6CDI	DL1DWT	KV1J
	NN7X		K5UZ		NA9Q

OH8LXT	DL6UAA	N6PE	KM1C	UR6QA	UA3O
OZ1LCG	EI8IU	N7KO	LA8HGA	VE6KC	US7MM
PA0JSE	F6CWA	N9ISN	N5ZC	VE7CT	W0UY
RV3ID	G3SDL	NA3F	N6MA	VE7UF	W3XY
UA4PCM	HP3TA	NG0G	N9HF	W0VHF	W4DC
W1ENE	I5OYY	NI5F	RU4SU	W1FO	W4NE
W1WEF	JA1OVD	NK5B	SM3DMP	W4HOG	W5ZPA
W7GG	JA4BXL	NZ3M	UA1ACG	W4OX	WL7E
W7OEV	JA4KDT	R7NA	UA1CEI	W5AQ	XE1FAS
W8LRO	JH6WMJ	RA4UN	UT6UD	W7VS	YU7AU
WQ5L	K1RV	RZ3AUL	VE7XF	W8MIL	ZL3NW
	K2DC	SM5ARL	W1HEO	W9RB	
115	K2HAT	SP3EPG	W2CVW	WA2MUA	109
C6AGU	K3MD	SV1JFV	W2SKI	WB4TDH	DF1KG
CU2CE	K3OSX	SV2AVP	W3UL	WB9EEE	EA3GHZ
DL9GOA	K5CD	UN7TW	W4VHF	YL3DQ	EU4T
G8BCG	K5RJ	VE3KI	W5VX	YO6HOY	F8EZE
G8DX	KB8U	W2GW	W6KK		G3SVD
HA5UK	KZ4V	W6BK	W6TC	110	IW0HQE
HK3PJ	N1QY	W8FAX	W8GEX	BA4MY	JA2CXF
IZ0CKJ	N3MN	W9VNE	W8HMK	DL1VDL	K2CJ
IZ7JVR	N4IQ	WA2BOT	W9SE	EA5BYP	K2ONP
JA2KNW	NU8Z	WA4DOU	WA8OLN	F5BAR	K4RDU
JA3NHL	UA3FT	WB2HJV	ZP6CW	G3LNS	K4SAF
JA5WIZ	W0VX	WB2UFF		G8AJM	K5FZ
JG3LGD	W3MR	WS4C	111	HI8R	K5KA
JH1RFM	W4TUN	ZL1BYZ	AA4U	I2BBJ	K5KPE
K0GD	WA1FCN		AF4OX	IK5RUN	K6MW
K0SD	WA4CEM	112	CU3AN	IK8UHA	KA9UVY
K4CMS	WA8MCD	A92IO	DG7RO	IZ2EWR	KE1F
K4GHS	WA9YYY	DJ1RL	DK2WH	J68HZ	N1BZ
K4GK	WN9O	DK5RL	DK6ED	JA7EPO	N2WLG
K8YTO	WT9U	DL5CL	DL1HRN	JE2UFF	N7TY
LY4T	XE1RBV	EA1JO	EV1R	JH1VHU	N8NN
N0IRM	XE3ARV	EW1DO	F6ECI	K2BLA	ND4V
N4OA		G3XGC	G4DBN	K3JRR	NN4RR
N8KOL	113	HB9CRV	HC1BI	K3PH	NU4I
PA3AXU	9A1A	HB9G	HL3GOB	K4WW	NX7U
RZ6MJ	DJ5DT	IK2ANI	JA1AUD	K6MI	PY5CC
UA1ANA	DJ9RR	IU8FRE	JA1FGB	K6VKO	RW4UU
UA1CGS	DL8CM	IZ4DIW	JA1NCZ	KB4MRX	RW9QA
UA6XT	DL8DYL	JA1SXR	JE8TGI	KC2STA	RX3AGD
UN6T	DL9GTB	JA7BXS	K0FLY	N2CG	TG9NX
W4UCK	G4AFJ	JF2WGN	K5WAF	N3HBX	UB5ZAL
YL2CZ	JA0GCI	JR7TEQ	K7ORK	N3IQ	UT7KF
	JA4ITW	K0JPL	K9AJ	N3JB	VU2CPL
114	JH1ORA	K1EDG	KM1R	N4KE	W5WP
AB4GE	K0TPP	K1EO	KP4AA	NC6K	WB5TUF
BA4DW	K8SL	K1KO	KZ0X	NK7C	WN0L
BA7IO	KA4RRU	K4UAS	LA0CX	NY4I	YV3AGT
CT3FN	KH6DX	K8CC	N4WJ	RD9M	
CU3AK	KI0G	KB2FCV	N7BD	SM5BHW	108
DL6NB	KT1J	KI4DLS	NA1DX	SV1VS	AI2Q

AL7R	107	W9CPV	UT7UU	N7DR	K1BG
DL6CNG	4Z5LA	WA0RVK	UU5WW	ND3L	K3FM
ER1LW	DJ8ES	WB6CJT	V73AZ	ON7PQ	K4KEW
G3VAO	DK3FB	WB8ART	VQ9SS	OZ4AAL	K4MF
HB9BAT	DL1QQ	WS1L	W1CWU	PF7M	K4VIG
HB9FAN	DL2CHN	XE2YWH	W2EQ	PJ2/K8ND	K5HK
IK0PRG	DL5XU	YL1XZ	W2LE	PY2DS	K6UM
IZ0BTV	DO4DXA	ZL3RJ	W2NO	R6YY	K7TJR
JA2MOG	EA5AT		W4IR	RA6AF	K9EA
JJ2PIK	EA7QW	106	W5JAY	RD4WM	KA2BZS
JK1MZT	FG8OJ	AA4FL	W5KI	SP5JXK	KH6KG/W5
K1EP	G4AKY	AE2U	W8OP	UA6LCN	KI0KB
K1XM	G4RGK	DJ6OZ	WA4MYO	UR1RWX	KW0A
K2KQ	I5IHE	DL2NOM	WA6TLA	UR2RGN	LZ2XF
K2MK	IT9XTP	DL3JSW	YL2GN	VE1PZ	N3ER
K4WY	JA4EVN	DL6JZ	YU3EF	VR2MY	N3TR
K4YJ	JA5EY	EA1CP		VY2ZM	N4GU
K6UT	JA6OXT	EA3CCN	105	W1LE	N4TTE
K8OM	JA8JTH	HA8DZ	DF2PI	W1LY	N6PF
KM8AM	JH9DRL	IW3GJF	DF8AA	W1MRH	N6WM
KN4JX	JR1BAS	JA1VLK	DJ3XD	W4OWY	N8MZ
KX2A	K0MD	JA2MNB	DJ6KH	W6FF	N9DR
KZ1W	K1TZQ	JE6IGP	DL4ZAB	WQ5W	NJ9C
LU2DKT	K3SW	JG3HBO	DL6XK	YU1NR	NN3Q
LZ3YY	K3YBN	JG5RVQ	DO1CTL		OH4UI
N2DPF	K4MS	JH2KKW	ES1GO	104	PA0GMM
N4MEC	K8LBT	JH6PFY	G3YUV	9M2AX	RA1QX
N6RFM	K8ZR	JJ0NCC	HA8FW	AD1C	RU3UR
N9SF	KB9DAK	JR0EQQ	JA1BWA	AG4Q	RZ6DX
N9TF	KE2R	K0DEW	JA1TAA	AH0U	RZ6LB
NU4Y	N2RR	K1PX	JA6VA	CP8HD	SM5CCE
PA0ZH	N3DAP	K4DSE	JA7BME	CX3CE	SM7CQY
R5FY	N4RF	K5AM	JA8RRF	DK3BK	SO5AS
R7LA	N6EE	K5ZQ	JA9APM	DL4FAP	UA9FGJ
RA1OHX	N8AGU	K8JJC	JF1RYU	DL7UPN	US5CAO
RX6DX	N9PGG	KD9HL	JF2VAX	E73D	UT4EK
S57J	NA5Q	KK8X	JO4CFV	EA8ZS	UT7EC
SM6AOU	NE1F	KK9H	K1DJ	EI9E	UX4UM
UX7UN	OE1CP	KQ3F	K2XF	F6AJA	UY0MM
UZ6LWZ	OK2BUZ	N0JZ	K5AV	F8GB	VE3VHB
W2UB	OK3CQR	N2CW	K6DJ	G3BRD	W0YBS
W3NRJ	R0FA	N2SQW	K7OX	HB9CIP	W1QA
W4ZYT	RN4AA	N3XM	K7PO	HK3O	W3DRY
W7ACD	RV6ARZ	N8AID	K9RO	IK0DWN	W3TMZ
W8IW	SP3BQD	NA5Z	KI5T	IZ4MJP	W5BK
WA2ALY	SP6AXW	NI5M	KT2E	JA1JAT	W5CWQ
WA8MOA	US5CB	NS3L	LZ1JZ	JA1SDV	W5GJ
WB8BZK	VE3OI	OE5CSP	N4JI	JA2FGL	W5ZO
WC1M	VK3NX	OH2OT	N4NW	JF1EGO	W6PH
WC6DX	W3KB	OK1AYU	N4PL	JF6WTY	W7DR
WD9EQU	W4MAY	OK2BVG	N4SC	JK1BSM	WA0I
WW1WW	W6TDX	S57AL	N4VN	JO1WXO	WA9ETW
ZS2DL	W8VK	UR3CRO	N6NU	K0WK	YC0LOW

YO5ODE	RA4HT	K7UA	AC5O	N0STL	WR2G
103	RK3QY	K8BHZ	CT1JGA	N2AJ	WV9L
AG1I	RU3OW	KJ6NZ	D44BC	N5AQ	YO2OXD
AI3Q	SM3CBR	KN4KL	DH2FW	N8AG	YO6BHN
DJ1MM	SM6EHY	KW4BY	DK9WI	N9JCS	YV4DYJ
DJ3GZ	SM7BHH	KY6R	DL1KS	NX2X	ZS1J
DJ7PI	UA3PFN	LA3ANA	DL3ANK	OA4TT	100
DL2HX	US2WU	LA6UL	DL5JS	OE3WQB	9M6YBG
DL8YRM	UT2AB	N5RZ	DM3ML	OH3TY	A41ZZ
DM5TI	VA2ZO	OH2EA	EA1WX	OK1PGF	AA4AK
DS3HWS	VA3IC	OK1DTN	EU1TT	OK2BOB	AA4UC
EA7SG	VE3EDY	OK1JDX	G3ZFC	OK3EY	AB4VV
EU6MM	VE3MFA	OK3CSQ	G4FJK	OK4MM	AC4VM
EW3LB	VE3VV	PA7TWO	GM3WTA	ON4LG	AI2S
G3BDQ	W0QC	PV8ABC	HB9NL	PA4WM	DJ6OI
G3OIL	W0UVC	PY2DO	IK5ZUK	RA3AH	DK8MM
G4AAW	W1CTN	R2AB	IV3GOW	RA4P	DL1TPY
G4PUQ	W4AVY	R3IS	IV3KCB	RA4SD	DL1TRK
G4VGO	W4MZ	RU3UN	JA1VVX	RB7GG	DU7ET
I0OSI	W5THT	S59DJK	JA2VMU	RK9F	EA2AAZ
JA2GQO	W5VU	SM6WET	JA6TMU	RY6M	EA3ALD
JA2OLJ	W6SZN	SP5MXZ	JA7SFD	SM2DMU	EA8AXT
JA3FHL	YO7APA	T77V	JE1PHH	SM7NDX	EC5A
JA8EJO	102	UA1AIR	JF1RPZ	SP7JLH	EI3ISB
JE1SYN	A6/RV6LNA	UA1CKC	JH3HGH	SV1PL	ES5NC
JH1DGQ	CT4BD	UA6HOF	JH3PRR	UA0FDX	FM5GU
JM2RUV	DK3QM	UA9MR	JH7BKN	UG6GAW	G0VXE
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K2UVV	DL4CW	VE2FYR	K1YR	UT1CC	I2VGW
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K7BTW	DL5RDI	W1PV	K4NNX	VE2OJ	IS0/YO3RA
K8CCV	EA8AKN	W2LW	K5DNL	VE3ARF	IT9CVO
K9MUG	EI4DQ	W2TX	K5WE	VE3XB	IW0BYL
K9XJ	EI6GF	W3EKT	K6AAW	VK2GR	JA1BRK
KE1IU	ES5RW	W4ALF	K6XJ	W1FC	JA1CPU
KJ4R	F6BWO	W4KK	K7AR	W1GF	JA1ILA
KJ7WY	FM5WD	W5TO	K7IA	W2SF	JA4FSH
KM9E	HB9AHL	W7IUV	K8BN	W3WH	JA5DQH
LX1DA	I8LWL	WA0IDK	K8YYY	W4BUE	JA9CGW
N0RU	IT9SFT	WA1S	K9JU	W4PM	JF3DRI
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N9BBQ	JA8OW	WS4Y	KC4PX	W7AV	JS6TWW
NU1T	K0YN	WW5G	KD3UY	W7CB	K0LB
OH3GD	K1PTF	YO2CMI	KE1VT	W8GB	K0XM
OK1DQT	K2LP	YO2IS	KE4S	W9MAF	K1NA
OK2BQU	K2TK	101	KF7NN	W9ZCL	K1NZ
OK3BRK	K3KG	AA2VG	KN6J	WA3EKL	K2CBI
OZ7JZ	K4AQQ	AA3LX	KQ1F	WA3PTF	K2CYE
R9GM	K4KAY	AA4NU	KS4XQ	WB3HLH	K3TZV
RA0FA	K5ZO	AC2AC	LA2GV	WC4H	K4FT
	K7BHM		LZ1XZ	WK9U	

K4KGG	PY7DJ
K4KSY	R3PJN
K4QS	R9JX
K4UQC	RA3SD
K7VIC	RA4LW
K8BZ	RA6XB
K8CR	RC2A
K8CS	RN1A
K8LE	RT5A
K9NZ	RU3GF
KB0EL	S53MJ
KB1HY	S59SV
KC0V	SM0CXU
KC4D	SV1FJP
KC5LT	SV1VJ
KD8BZY	SV2DSJ
KP4N	TI5CDA
KQ5M	UA3AKI
LA8W	UA4PAY
LU5OM	UA6CEY
LU5YF	UN6P
MM0SJH	UR4CW
N0AH	UR4LRG
N0ATQ	UR8IDX
N1GFV	VE1RGB
N1KI	VE3OAT
N1MD	VE7JKZ
N2SG	VP2VA
N2XQM	VR2PX
N3AF	W0GYH
N4CRI	W0MU
N4ZR	W1AN
N7DED	W1YRC
N7TK	W2CCC
N8IL	W3BBO
N8NB	W4HHN
N8OQ	W4OEP
N9ADG	W4OV
NA6O	W6WA
NB3R	W7DT
NG7A	W7JET
NJ3I	W8CNL
NN4SS	W8FN
OE5JDL	W8GDQ
OK1DXD	WB4SON
OK2PAZ	WB8TGY
ON4ANN	WU2M
ON7EH	YB1TJ
ON7GB	YL2SM
ON9CC	YO9FLD
OZ1ZD	ZP9MCE
PA0INA	
PA7RA	