

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 Jan 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 UT3UA	302 SV8JE	297 DK5PR N4CC OM2XW W0FLS
335 OH2BU R7LV	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX 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
332 UR0MC	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 CT1EEB JA7NI K4ZW		294 DL1AMQ JH2FXK JR2KDN
331 K5UR LZ2DF UT7QF	319 N0XA SM4CAN UT5UGR W9ZR				
330 AA1K HA0DU OH1XX R4GM	318 4X4DK				
329 K3UL UA4HBW					

LA5HE N0TB RJ3AA WD5COV	WK3N	281 DF2PY JA2PJC K1CP S59Z W4TO	I2AOX IK4CIE K2UO K4IQJ SP6AEG UW2ZM	K8PT RA3XDX W1MK	K5KC N6SS NO8D SP1S UX0FF
293 JH4UYB S58T SM3NRY	287 DL1RWN G3XTT N2QT RK4FD UR5WA VA3DX W4PK	280 EA6NB KG4W RV3LO SP6HEQ YO3APJ	274 CT1EKY G3TXF JA8ISU KF2O W6UB	267 G4OBK LU8DPM RW0LT RZ3DX SP5DIR W1GL	260 I1FQH K1LT K4DY UT9FJ
292 G4BWP IK1GPG 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 MD0CCE 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	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	265 AA4V* AA6YQ AA7A EA5BM EI7BA K4XP YO5BRZ	258 KW9A N2NL RN3CT VE3QAA
290 UA3AKO UT1UY	284 NJ6P SP3DV UX1AA	277 AA4MM DJ9VA DK5WL IK5BAF K1ZZ OH3BU ON7TK SP9DWT	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV SP9JZU	264 IK2YCW IK5HHA K7ZV N3NT R5AJ	257 AA1QD JH1GZE K1GUN K9NW N4II N8TR W9YSX
289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX US5WE	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 F6GCP G3LZQ N8RR N9IW OK1AWZ VE2Tzt	270 AA1V KD5M LA3MHA OE5KE SV8BHN	263 IZ1ANU K9OW KX4R LA5IIA W2SM W3AP	256 9A5CY JA5BZL K5VRX KY7M SV8GFW W1TSP W3DF
288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY W0JX	282 DL1YD HB9BIN I0WDX IK6DLK 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	241 JA0DAI JA1SYY JA3EMU K5ZK KA9CFD N4XM N5TY* N7RT OK1DWJ SP5GRM UA3TT VE1YX VE3NH	OM4EX WA7NB	NI6T UA3AP	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		236 AB4I K1JO K5EK K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	
252 EA1DR JA2VPO JF2MBF JG3QZN JR3IIR ON4AOI PA4VHF S52F W3UM		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	245 DL4CF JA1GV JA7QVI N9US RL9F RY7G W9XY		234 IK6FWJ IZ8FFA JG1ULJ K1AR K4UTE KF0QR PY1BVY S51DI	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	224 IZ8FWN MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ
250 AB3CV HB9RG IK0XBX NQ1K OZ8BZ SV8CKM	244 AG9S DK6WL F6BLP JA1HGY ON4IQ SV1RK	239 AJ6T K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF UW5ZM W3LL	233 DF6PB DJ5FI JH1HGC K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO	228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI KV7K N1LN RT6T SV2JAO UR5FEO ZS4TX
249 AI9L K9RX SP5DRH	243 DK2JX DK3DG JA0CRI ON4ATW S57A W9RPM WX4G	238 AC4G DL8WN IK0XEZ IZ1LBG NI0G RA0FF VO1HP		227 DL7HU ES1RA I3BUI IK0HBN JA1UQP JA9CHI K1FK K3NW N6JV W9BF	
248 K2FF K3WW K5RX SM3VAC T77C W9NGA	242 EA4KD G8VR KG7H OK1CF	237 DL7MAE IW1ARB	232 EA1N FK8CP JA8EAT K2AZ K4XL	226 9A8A	222 IV3JVJ K3SV K6EID K8FH

K8ZTT N4PQX N5AW N5JR N8PR N9BX SM0CCM	W5PJR 217 DM5EE JH1IFS K5PC ON6YH UA3AGW	W2WG W3YY WP4U WS9V 212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I SM5CZQ W1ECT WA5VGI WB9CIF	JA9FPI JF4VZT K2FU LA7HJA N5ORT RU3ZX RX3APM UN5J UY1HY W6PJ W9EWZ	LX2A N4NX N4QS N7FU SM2OAN UA0SR US6EX W2HUV WD8PKF WF4U WI8A	JF1PUW JO7WXN K3HP W0MHK W2IRT W5TCX
221 JA2WYN JJ3PRT K4MWB K8SIX LA7GIA LB8DC N6VR VE3LYC W1ZK W6JRY WS6X	216 F6DAY JA9PPC K3JGJ N5UL OE1ZL RA1QD RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	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 K4XO K9MMS KK2I NK1K OH1TV PA0A R6AF W7DO W8GC WA2HZO	200 G0OIL IK0FVC JA1GTF JH2RMU K1GE K1GG LA5YJ RW4NN RW7M UY0ZG W0DD W3GG
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	199 G0BNR JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2IVK JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA K5RT KG9N N9LB VE1DX W0ZR W7KNT W9OO	205 F6EXV I4KDJ JA3AAW K9YY KA9FOX W8UN WB8ZRL		198 DL1ROJ G3UJE G4BUE I5KKW IT9JNR JA4PXC W8HB
218 AD5A DJ4PI DK0PM IK1YDB JA6LCJ JA8CDT K0EU K5EJ K5UO UT4MF	213 DF2IS EI3IO HA1RW JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ	208 G3NSM I4LCK	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI	201 AG4W CU2DX DL1EJA	197 G3SNN JA0EOK JE1BMJ JH1QAX JH2UVL K8NVR LA7AFA OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL

W0FS	PA0LOU	SM0NJ0	184	LA9AJA	I6FLD
W4UM	RN1ON	SP7HOV	HA5WA	N1RR	JA0DET
XE2X	UA0CA	UA7T	IW0SAF	N4AH	JA5IU
	W9MU	WA3C	JF1NZW	ON5FP	JA6BJV
196	WA2VYA		K4HGX	W1RM	JA8KSF
4Z4DX	WE9R	188	K5KLA	W2OR	K8MN
AA4HP		AB4IQ	KB4ET	W7BEM	N5OK
IK4PLW	192	CT1FMX	N9RC	W8TN	RL3FA
JA3RAR	9A2NA	JA1KQX	S57AC		SM5FUG
K8PO	JA7JWF	KB0EO	US8UA	179	SP1MGM
KP2A	JH1RFR	KE9ET	UT2UB	IT9ELD	W4BP
ND0N	K3FN	KL0S	W2YJ	JA9NLE	W4GD
RA9CMO	K4FJ	N8LJ		K0TT	YO7NE
RZ4FO	K5XX	RM0F	183	K8WK	
W2FCR	K7GM	W1YM	CT1FPQ	N2PK	175
	K9EU	W6SR	HK3W	OK1MG	JA1CHN
195	KF7PG	W8JV	IT9INO	S57UN	JG0CQK
EA3JL	LA0FA	WA6YEE	K8RRT	SM4DDE	JH2QMT
EA5RM	N4DB		K8VC	SV3FUP	JS3CTQ
G3ZEM	NE1B	187	N9MB	W8KEN	K4DLI
JA1EOD	W3UA	AJ1H	NN2L		LA5LJA
JN7FAH	W3YQ	JA8DNV	ON6SAS	178	N7IR
K3PA	W8LGJ	K0SR	W2FP	4Z5CX	PE1L
K7SO		K6SRZ	W8NW	EA3CJ	TF3SG
K9RT	191	KN5O		JA4MRL	VE3FF
KF8UN	CT3MD	N2NS	182	JL1SAM	W8HC
N1SV	JA1ANR	OK1CZ	DJ9ON	K2UR	WA9PIE
W5ZG	K0BBC	SP3FAR	DK3UA	N7XR	WX0V
W9OP	K0JGH	W7AWA	JA1SHE	NE0U	
WN6W	K8FC		JA3ENN	SM7DLK	174
	K9LA	186	JR7BDQ	SV1JG	JA0GJJ
194	RK2FWA	IK2QPR	N3OC	W6NWS	JA1PPW
JA1XEC		JA2LCP	UR3EO	W7MEM	JA2XW
K4KDX	190	JA2ZL		ZS1LS	JA7MOL
K9JF	IZ8XQC	K0BJ	181		JF7DZA
KB9LIE	JA0VSH	K7LAY	DK3WW	177	JK1OPL
OH2IS	JA1DUH	YL2TW	JA2BDR	9H1SP	JR6PGB
SM7GIB	JA1MCU		JA9TWN	AE5E	K1KI
W2LO	K2TE	185	JN4MMO	CT1GFK	K2KA
W4FC	K9KU	AB6QM	K2EP	K3WC	K3AJ
WD8JJA	KM1D	CT1EAV	LZ2ZG	K4RG	K4TR
	N4XU	EA6BF	VE3OSZ	K5GKC	K4WS
193	N5GH	G3KWK	W9AJ	K9NU	N1EN
CT1IUA	SP2LNW	IK3SWB		OK1DWC	OE1WHC
DF2GH	VE7VV	K5ZD	180	PY5EW	RN7F
DK1FW		LA3WAA	4Z5MU	SM6DHU	UA3LNM
DL5ZB	189	N4TJ	DM2DXA	W5LT	W8UV
DL6ZXG	9A2F	N5UR	DM3VL	W7FI	W8VVG
EA3WD	AA1ON	OE2BZL	EA8JF	WB7B	WT8C
HA5BSW	EA8PP	SV1DPI	IK4ADE		
K4ODL	FM5CD	UA9CBO	JE2URF	176	173
N5LZ	K4CN		K6SSS	EU1AB	5B4ALJ
N9EN	KB1EFS		K7BG	G0BLB	I1JQJ

JE3ENP	169	WA4LOX	163	JF2XGF	DL4MM
K1NTR	IK0PEA	WB0TEV	9A2JK	JR7MAZ	EA5BY
K4XR	JA1ADT	WC5N	DJ9HX	K3MSB	G3TQZ
K9YC	JE2LPC		JE2LUN	K3RA	HB0CC
KA1J	JR1IZM	166	JH4CPC	NR4M	JA1GHH
N5FG	K1LI	4Z1UF	K7NN	RU6L	JH7IAJ
RC9F	N4XX	DJ4SO	K8TL	UA0FZ	LY5A
UN9L	N7US	HB9FMN	OK2QA	UX5UO	N5MOA
W3IP	UT8MM	IV3TDM	RW3RN	W1BR	NE9Z
	UY5AA	JA1FNA	UR4CWQ	W5XC	RU4UR
172	W6RW	JA9LJS	VE3CFK	W9RN	SM3PHM
EA7TV	W7YAQ	K1KA	W7AL	WX0B	SV8ZS
G3NKC	WB3JFS	K3KY			W2TA
IZ5MOQ		K4JLD	162	159	W5GZ
JA3FGJ	168	K4PB	4O3A	DL6MRS	WS7L
JG3IWL	G3MXJ	K4WA	9A4W	JA4FKX	YV2IF
K0DEQ	HB9TKS	K4ZJU	F3AT	JA9APS	
K1BD	I2ZGC	RM3DA	IZ4DPV	JH6QFJ	156
K6FG	IK2EGL	W0DJC	JA6GIJ	JL1RUC	AB9V
KJ0M	JA6VQA	W1RR	JH4ALY	K4RO	FM5BH
VE6WQ	JE7JDL	W8ILC	JR5JAQ	OK2ZV	IZ8IEV
W3JX	JF2UPM	WA8TXT	LB6KC	UN7JX	JE3GRQ
W4FQT	K4XD		N8MR	W3HKK	JO7HAM
WC4X	K5QY	165	VE7SL	W6BJH	K0QC
	K8RYU	DL7UCX	W0HT	W7SX	K8YSE
171	KR4F	F6HDH	W0TT	WD5BJT	KS1J
AA9D	N4QQ	IK0AGU	W1LW		N3RC
DL6KR	N8BJQ	JE7RJS	W8WEJ	158	N3UA
G0EHO	PA7F	JH7CFX		AA6AA	N7WS
HA9PP	SP5GH	K5JZ	161	CT1FCX	UA3SAQ
JA6HUG	SP6EQZ	KK4CB	DK2GZ	DJ4PT	VA3LX
JR1TNE	SV2AEL	N4HB	DL6RAI	DL1FKA	W1YIF
K1NU	W4SVO	N9FN	HB9DHK	G4GIR	W4TV
KI5BLU	W6VX	NY0V	IK0FUX	IT9DSZ	
N0RN	W8OI	SM4CTT	JA1DOF	JH1TWT	155
N4OGW	WA0MHJ	W5BN	K1USA	J11FXS	DL1RK
N7RO	WA5YNB		K5GO	J11NJC	DL4SZB
RA3DNC		164	K8ND	JR1GJP	K2LS
SV1LK	167	GU4YOX	LB2TB	K1CA	NE0DX
WA3AFS	DK5AD	HA7UW	N4GN	K5TT	NW7E
	EC3A	HB9BZA	OE5RLM	K9GA	SM6VR
170	EI6FR	JA1RTX	OH6RA	OZ1HX	W2XI
DJ6TK	K6KO	JA7ZP	VK3HJ	RU6M	WE1P
JA6JPS	K8NK	JH2SON	YU2TW	SM4EMO	WS5W
JF1WPB	K9MBQ	K1NJ		W0SZ	ZS6EZ
JM1GYQ	N0IJ	N5WA	160	W1OX	
K6ZZ	N3BNA	RA3ZH	AD5Q	W2XL	154
N4PY	OH2BLD	RN3OG	DK1WB	W3GQ	3V8SF
SP3GTS	PA3C	W4DKS	DL1DA	W4QN	GM3PPE
SV3KH	RA1AOB	W4NS*	IW2FND		HB9BUN
W9EVI	RN9N	WP4G	JA2EPW	157	IZ3ENH
	S51EC	WW3S	JE2DZC	AA4H	JA8NFV
	W1YW		JE2OVG	AC6DD	JR3OEH

K0KVR	EI9JF	K7HP	W1IZL	WD5T	NJ3K
KR2Q	F3SG	K8ME	W1ZT	YO3CD	SV3FUO
NX8Y	HB9SLO	K8ROX			W2CG
SV1CNS	JA6BEE	R8TX	145	143	W3BW
W1NA	JH1NYM	SM6CUK	AF4HX	DL6EN	W4JVN
W5DNT	JR1XIS	UW7UA	HI3T	HB9RYZ	W4VIC
YS1RR	K2AX	W0GG	IT9ZZO	IK8GYS	W4WT
	K2FW	W7HPW	JE6TSP	IT9BLB	W8GNM
153	N2ZN	WB8B	JH4HMG	K7CMZ	W8HW
AJ9C	N5JB	WD5K	JH7RXU	K7CW	ZS1C
CU2AP	OK1ATP	YO3DDZ	JJ3HGJ	N2RJ	
DF2RG	RD3A		JK1AJX	N5UW	140
DL1DUO	RU3A	148	K3VAT	N6PAT	9A1CAL
DL3ZA	S54A	DK2CC	K4OY	NN4R	JA4OK
G3TJW	SP7AWG	F5CQ	K8BL	W0IZ	K5WK
HL2CFY	SV9AHZ	F5LVL	KF6HI	W6QUV	K6KLY
JF1IRW	W7CT	F5PAC	KR0P	WB8CQV	KF8DX
JR9OPJ	W7RH	G4FTC	N1CGP	WB8ZRV	N4XP
K7SP	WA1Z	JA9RRH	N4GG	WD9DZV	OH6NIO
K8VFX	WA2BCK	JH1QDB	N6PSE		ON7DR
KD0PO		N2WB	N8OC	142	UN1L
LZ1PM	150	N5XZ	OE6VIE	AB9M	VE6SV
N4TV	EA1AF	NE3F	RT0F	I5HOR	W0SEI
N5TW	IV3RAV	W5FKX	SM3DTR	JA2ATE	W4NU
N8II	JA1SVP	W9JJB	W5ADD	JH0BQX	W7IV
R9OK	JA2NQG			JR7WFC	W8LWU
SM6CLU	JL1UXH	147	144	K3PP	WO2T
SP5CCC	K0RS	EA3GP	CU3EQ	K4WZ	YL2MU
UT5UY	K1OA	IV3VBM	DL5CW	K6EME	YO9FNP
WB8BPU	K5TR	IZ0RVI	DL5KUA	KK1W	
	K5VWW	JA1XQC	E70T	LA9VFA	139
152	K7LV	JN1BMX	EI6IZ	MM0SAJ	DF7EE
EW2A	K8AJS	K8UT	GM3ITN	N7QT	DJ4XA
JA2VQF	KU4XO	KM1H	HB9BYQ	NA4D	DL5EBE
JT1CO	LA6OP	N1IBM	HS0ZEE	NQ7R	DL8OH
K9MK	N3QE	NA5C	I5MXX	NY2NY	DS1JFY
KQ4AV	N9CO	PC3T	IT9GSF	OK1DO	HB9CQK
KS3F	OE8SPW	W1OP	IV3DXW	W2OO	JA1TMG
N9OY	ON6AA	W2KKZ	IZ4GWE	W5LUA	K2RET
S55ZZ	SQ5EBM		JA3GN	W5VQ	K3ANS
UA6IGI	UA6YW	146	JE1FQV	WA5POK	K6AM
UN7LZ	W2/CT1GIF	EU4A	K0VSH		K8GI
UT5AB	W6DAO	JA1HQG	KJ9C	141	K8RF
VE6LB	WW2DX	JA4DHN	LA9GX	AC9S	KA8SYV
W1SKU		JA5XAE	N1IX	DL5MHQ	KM3T
W1VT	149	JH1GNU	N2WM	EW1BA	KU0A
W6RLL	DL7CX	K5KV	N3KK	HB9FMT	LA8WG
W7AJ	HB9HFN	K5SM	SM4OLL	JA1PTJ	OK1MP*
WB3CQM	I0JBL	K6NR	SM5CLE	JH1HHC	SM5CBM
	IK4FNF	K7WP	W4GE	JH4JNG	SV8ZC
151	JL1ARF	N7BT	W7ZI	J11DCW	W0SD
AA7G	K3TN	OH1JP	W8RLS	JR2LJO	WA8WV
DK2OY	K4YYL	RU0SN	WC5M	K2RW	

138 DK8MCT DK8YY EI9FBB F6DDR IK8EPC JA3OOK JF3LOP K1RO KJ6P LB5WB OZ8X RW4CY UN7JID V51B W1GD W2YE W4YV W7OM	135 5B4MF BA4RF DJ9ZB F6FXU IZ7EVZ JA2KVD JA7LMZ JA8BNP JA8JL K1ZE K4TT K4ZRJ K7FL K7XB NZ9R R3VA R7LP RN3RQ SM0LGO SM5CZK SP3XR SV5DKL UB3A W1DIG W1EQ W2GD W4BUW W4MBD W4RFZ W6DR W6JTI WE4S	SP6JIU 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 ZS1A 130 DF9ZW E73M EI2JD G7VJR HK0HEU IK3XJP JA2FBC JG1DUZ J14POR K2MYR K3NK K7LFY K8BCK K9GL KO8SCA NA4EA NO9E OZ2ABI R5QA R9AB RU1AO S51NM TA1CM	VE3DO W2MPK W9ZT 129 HB9AZZ JA1NWD JA8JO 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 OZ1IKY R9SG S53X S55DX SV3DCX US8UW VQ9LA W2WC W4IS W6RKC W8KA ZS6UT	127 AC9EM CT3KN HK1MW JA1DDH JA1WLO JA8RJE JA9KRO JH3AIU JN1RQV JS2LHI K0RW K3TRM N1AC N1GC N9RD OE8HIK SK7AX SP6A SP7ASZ W0CP W0RT W1OPD W3BG W3FOX W3MF W8LMG XE1KK 126 DJ8WD F8BPN G4IUF JA7KY JH3CUL JJ1DWT K2ZD K4JKB K4XU N8NA OE3SGU OK3CQD PA5TT VE3CX VE7BV W8REW W9ILY WB0O WB2REM WD4LBR YU1EXY
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125	123	NN7X	HB9BLQ	K5UZ	BH4IGO
9A1AD	AC4TO	OZ3Y	IZ0LKV	K7EG	DL1DWT
AG1A	DL7JRD	RD4A	IZ5NFD	K8KWT	G3PLP
GW3TMP	F4GTB	SP9WZS	JA4EPE	K9SG	IT9DAA
HK4SAN	G4WFQ	UU4JMG	JR3UIC	N0KV	JA1HQT
IW0HEX	G5LP	VE6AX	JR6LLN	N4DJ	JA4FM
JA4IYL	HB0WR	VK4CAG	K2BA	N9UA	JA7GYP
JA6VU	IK2CHZ	W2TB	K2HK	NT2A	JA7IC
JE1TSD	JA0CRG	WA3I	K3QIA	NY7T	JM3GXU
JE6UWU	JA1SJV	WA7BNG	K6FW	OH5NG	JR2UBS
JF2WXS	JA3MHA	121	KA8ZPE	OK1DT	K2BB
JH1AGU	JA6WJL	AA6RR	N4BAF	R6FFB	K6PJ
K1HAP	J14WAO	AA8CH	N4LR	SV1ACK	K8OOK
K5KG	JK1EXO	DF1DB	N4TB	W4HZ	K8QM
K9GWH	JR1EBE	DK1EI	N4UFP	W8FIB	K9FN
KA6BIM	K2PK	DK6CQ	OE3EVA	WC2K	N2JJ
KI4WCQ	K3FRK	EI2GLB	OZ2A	XE1RCS	N4IR
LZ1XL	K3XO	HB9DHG	PZ5RA	118	N8AA
N2KA	K4ZIN	IT9AAI	RL3BZ	5T5PA	N8XI
N3EN	K5GH	JA2HYD	SP3PLD	AB2E	NY4G
N4JT	K5JC	KD8RQE	SP7ITB	DL5OCE	ON5UE
ND5S	K7UT	KG9Z	SV1IW	JA4FHE	OZ5HP
NW6S	K9CS	KV4AA	UR5IKN	J18DGO	SM7BIC
OE1AZS	KV4T	N0OK	US0YA	JN7DOS	SP8HKT
RA0BA	N2ED	N1JP	VE3YF	K3WGR	UA6J
UU7JM	N4DWK	N3ND	W0RX	K4CNW	UR9IDX
VE3UTT	N6MZ	N4TL	W2YR	K5XM	US1CT
W5DAW	N9JV	N6HC	W3OA	K7PI	W4ZRZ
W9CG*	N9LQ	N8PW	W4PRO	K8LN	W6SL
W9DX	NA2P	SV1AHX	W6RFL	K8WVA	W8ZR
WV4TN	NA9RB	SV1FKZ	W7RN	KD6UO	WA2USA
YO2RR	S50B	UQ1GWW	WP3R	KG8CW	116
124	UA3DK	UT4EO	ZL4AS	LZ2HM	AJ4F
AA7XT	UR9QQ	UU2JQ	119	N2MM	DL7URH
AB1OC	UT3QU	VA3AYA	AA3AZ	N5BO	EA5BRE
J11DHY	W1AO	W0QQ	AA4DD	N6MB	HA7PF
KD2T	W4NF	W2GG	AE3T	PY2PA	HB9EFK
KD4POJ	W8NJR	W3RJW	AJ4A	RN3TT	IK0EIE
KZ5DX	XE1H	W6XI	DK3GG	SV9COL	IK2OHG
NA2U	122	W9FI	DL9OBY	TA2RC	IT9TQH
PA0TCA	G3NDC	W9XX	EW4M	W1KSZ	IV3HYD
UA0BA	IU0LFQ	W9YE	G4DJJ	W4DAO	JA1WTI
VA7CRZ	JA1MRM	WA1PMA	HB9AAQ	W4NJ	JE2EHP
VE1DUN	K1BZ	WY1G	HB9BCI	W5JMW	JH3GCN
W2JU	K1ESE	XE1VIC	I2TZK	W5VY	K1DC
W2RIJ	K1YT	120	I4MKN	WX3P	K1RI
W3FM	K2MP	9A5F	IK0ZIO	YO4AUL	K6RO
W6CYX	K7ZA	AA5JF	JA3AZD	117	KT1V
WB8K	LA7WCA	AL7TC	JA4XGC	9K2OD	KV1J
WT4Q	LA8PT	DL2VWR	JE2JMV	9Y4VU	NA9Q
	N3NR	FG5FR	JH6CDI	AE0P	OH8LXT
	N9AW		K3NF		OZ1LCG

PA0JSE	DL6UAA	N6PE	KI4DLS	NA1DX	SV1VS
RV3ID	EI8IU	N7KO	KM1C	UR6QA	UA3O
TZ4AM	F6CWA	N9ISN	LA8HGA	VE6KC	US7MM
UA4PCM	G3SDL	NA3F	N5ZC	VE7CT	W0UY
W1ENE	HP3TA	NG0G	N6MA	VE7UF	W3XY
W1WEF	I5OYY	NI5F	N9HF	W0VHF	W4DC
W7GG	IK7YZG	NK5B	RU4SU	W1FO	W4NE
W7OEV	JA1OVD	NZ3M	SM3DMP	W4HOG	W5ZPA
W8LRO	JA4BXL	R7NA	UA1ACG	W4OX	W6KK
WQ5L	JA4KDT	RA4UN	UA1CEI	W5AQ	WL7E
	JH6WMJ	RZ3AUL	UT6UD	W7VS	XE1FAS
115	K1RV	SM5ARL	VE7XF	W8MIL	YU7AU
C6AGU	K2DC	SP3EPG	W1HEO	W9RB	ZL3NW
CU2CE	K2HAT	SV1JFV	W2CVW	WA2MUA	
DL9GOA	K3MD	SV2AVP	W2SKI	WB4TDH	109
G8BCG	K3OSX	UN7TW	W3UL	WB9EEE	DF1KG
G8DX	K5CD	VE3KI	W4VHF	YL3DQ	EA3GHZ
HA5UK	K5RJ	W2GW	W5VX	YO6HOY	EU4T
HK3PJ	KB8U	W6BK	W6TC		F8EZE
IZ0CKJ	KZ4V	W8FAX	W8GEX	110	G3SVD
IZ7JVR	N1QY	W9VNE	W8HMK	BA4MY	IW0HQE
JA2KNW	N3MN	WA2BOT	W9SE	DL1VDL	JA2CXF
JA3NHL	N4IQ	WA4DOU	WA8OLN	EA5BYP	K2ONP
JA5WIZ	NU8Z	WB2HJV	WT9U	F5BAR	K4RDU
JG3LGD	UA3FT	WB2UFF	ZP6CW	G3LNS	K5FZ
JH1RFM	W0VX	WS4C		G8AJM	K5KA
K0GD	W3MR	ZL1BYZ	111	HI8R	K5KPE
K0SD	W4TUN		AA4U	I2BBJ	K6MW
K4CMS	WA1FCN	112	AF4OX	IK5RUN	KA9UVY
K4GHS	WA4CEM	A92IO	CU3AN	IK8UHA	KE1F
K4GK	WA8MCD	DJ1RL	DG7RO	IZ2EWR	N1BZ
K8YTO	WA9YYY	DK5RL	DK2WH	J68HZ	N2WLG
LY4T	WN9O	DL5CL	DK6ED	JA7EPO	N7TY
N0IRM	XE1RBV	EA1JO	DL1HRN	JE2UFF	N8NN
N4OA	XE3ARV	EW1DO	EV1R	JH1VHU	ND4V
N8KOL		G3XGC	F6ECI	K2BLA	NN4RR
PA3AXU	113	HB9CEX	G4DBN	K3JRR	NU4I
RZ6MJ	9A1A	HB9CRV	HC1BI	K3PH	NX7U
UA1ANA	DJ5DT	HB9G	HL3GOB	K4WW	PY5CC
UA1CGS	DJ9RR	IK2ANI	JA1AUD	K6MI	RW4UU
UA6XT	DL8CM	IU8FRE	JA1FGB	K6VKO	RW9QA
UN6T	DL8DYL	IZ4DIW	JA1NCZ	KB4MRX	RX3AGD
W4UCK	DL9GTB	JA1SXR	JE8TGI	KC2STA	TG9NX
W9HBH	G4AFJ	JA7BXS	K0FLY	N2CG	UB5ZAL
YL2CZ	JA0GCI	JF2WGN	K5WAF	N3HBX	UT7KF
	JA4ITW	JR7TEQ	K7ORK	N3IQ	VU2CPL
114	JH1ORA	K0JPL	K9AJ	N3JB	W5WP
AB4GE	K0TPP	K1EDG	KM1R	N4KE	WB5TUF
BA4DW	K8SL	K1EO	KP4AA	NC6K	WN0L
BA7IO	KA4RRU	K1KO	KZ0X	NK7C	YV3AGT
CT3FN	KH6DX	K4UAS	LA0CX	NY4I	
CU3AK	KI0G	K8CC	N4WJ	RD9M	108
DL6NB	KT1J	KB2FCV	N7BD	SM5BHW	AI2Q

AL7R	107	W9CPV	UT7UU	N4SC	JK1BSM
DL6CNG	4Z5LA	WA0RVK	UU5WW	N4VN	JO1WXO
ER1LW	DJ8ES	WB6CJT	V73AZ	N6NU	K0WK
G3VAO	DK3FB	WB8ART	VQ9SS	N7DR	K1BG
HB9BAT	DL1QQ	WS1L	W1CWU	ND3L	K3FM
HB9FAN	DL2CHN	XE2YWH	W2EQ	ON7PQ	K4KEW
IK0PRG	DL5XU	YL1XZ	W2LE	OZ4AAL	K4MF
IZ0BTV	DO4DXA	ZL3RJ	W2NO	PF7M	K4VIG
JA2MOG	EA5AT		W3ICM	PJ2/K8ND	K5HK
JJ2PIK	EA7QW	106	W4IR	PY2DS	K6UM
JK1MZT	FG8OJ	AA4FL	W5JAY	R6YY	K7TJR
K1EP	G4AKY	AE2U	W5KI	RA6AF	K9EA
K1XM	G4RGK	DJ6OZ	W8OP	RD4WM	KA2BZS
K2CJ	I5IHE	DL2NOM	WA4MYO	SP5JXK	KH6KG/W5
K2KQ	IT9XTP	DL3JSW	WA6TLA	UA6LCN	KI0KB
K2MK	JA5EY	DL6JZ	YL2GN	UR1RWX	KW0A
K4SAF	JA6OXT	EA1CP	YU3EF	UR2RGN	LZ2XF
K4WY	JA8JTH	EA3CCN		VE1PZ	N3ER
K4YJ	JH9DRL	HA8DZ	105	VR2MY	N3TR
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K8OM	K0MD	JA1VLK	DF8AA	W1LE	N4TTE
KM8AM	K1TZQ	JA2MNB	DJ3XD	W1LY	N6PF
KN4JX	K3SW	JE6IGP	DJ6KH	W1MRH	N6WM
KX2A	K3YBN	JG3HBO	DL4ZAB	W4OWY	N8MZ
KZ1W	K4MS	JG5RVQ	DL6XK	W6FF	N9DR
LU2DKT	K8LBT	JH2KKW	DO1CTL	WQ5W	NJ9C
LZ3YY	K8ZR	JH6PFY	ES1GO	YU1NR	NN3Q
N4MEC	KB9DAK	JJ0NCC	G3YUV		OH4UI
N6RFM	KE2R	JR0EQQ	HA8FW	104	PA0GMM
N9SF	N2RR	K0DEW	JA1BWA	9M2AX	RA1QX
N9TF	N3DAP	K1PX	JA1TAA	AD1C	RU3UR
NU4Y	N4RF	K4DSE	JA4EVN	AG4Q	RZ6DX
PA0ZH	N6EE	K5AM	JA6VA	AH0U	RZ6LB
R5FY	N8AGU	K5ZQ	JA7BME	CP8HD	SM5CCE
R7LA	N9PGG	K8JJC	JA8RRF	CX3CE	SM7CQY
RA1OHX	NA5Q	KD9HL	JA9APM	DK3BK	SO5AS
RX6DX	NE1F	KK8X	JF1RYU	DL4FAP	UA9FGJ
S57J	OE1CP	KK9H	JF2VAX	DL7UPN	US5CAO
SM6AOU	OK2BUZ	KQ3F	JO4CFV	E73D	UT4EK
UX7UN	OK3CQR	N0JZ	K1DJ	EA8ZS	UT7EC
UZ6LWZ	R0FA	N2CW	K2XF	EI9E	UX4UM
W2UB	RN4AA	N2SQW	K5AV	F6AJA	UY0MM
W3NRJ	RV6ARZ	N3XM	K6DJ	F8GB	VE3VHB
W4ZYT	SP3BQD	N8AID	K7OX	G3BRD	W0YBS
W7ACD	SP6AXW	NA5Z	K7PO	HB9CIP	W1QA
WA2ALY	US5CB	NI5M	K9RO	HK3O	W3DRY
WA8MOA	VE3OI	NS3L	KI5T	IK0DWN	W3TMZ
WB8BZK	VK3NX	OE5CSP	KT2E	IZ4MJP	W5BK
WC1M	W3KB	OH2OT	LZ1JZ	JA1JAT	W5CWQ
WC6DX	W4MAY	OK1AYU	N2DPF	JA1SDV	W5GJ
WD9EQU	W6TDX	OK2BVG	N4JI	JA2FGL	W5ZO
WW1WW	W8IW	S57AL	N4NW	JF1EGO	W6PH
ZS2DL	W8VK	UR3CRO	N4PL	JF6WTY	W7DR

WA0I	R9GM	K4KAY	AA3LX	LA2GV	WC4H
WA9ETW	RA0FA	K5ZO	AA4NU	LZ1XZ	WK9U
YC0LOW	RA4HT	K7BHM	AC2AC	N0STL	WR2G
YO5ODE	RK3QY	K7UA	AC5O	N2AJ	WV9L
103	RU3OW	K8BHZ	CT1JGA	N5AQ	YO2OXD
AG1I	SM3CBR	KJ6NZ	D44BC	N8AG	YO6BHN
AI3Q	SM6EHY	KN4KL	DH2FW	N9JCS	YV4DYJ
DJ1MM	SM7BHH	KW4BY	DK9WI	NX2X	ZS1J
DJ3GZ	UA3PFN	KY6R	DL1KS	OA4TT	100
DJ7PI	US2WU	LA3ANA	DL3ANK	OE3WQB	9M6YBG
DL2HX	UT2AB	LA6UL	DL5JS	OH3TY	A41ZZ
DL8YRM	VA2ZO	N5RZ	DM3ML	OK1PGF	AA4AK
DM5TI	VA3IC	OH2EA	EA1WX	OK2BOB	AA4UC
DS3HWS	VE3EDY	OK1DTN	EU1TT	OK3EY	AB4VV
EA7SG	VE3MFA	OK1JDX	G3ZFC	OK4MM	AC4VM
EU6MM	VE3VV	OK3CSQ	G4FJK	ON4LG	AI2S
EW3LB	W0QC	PA7TWO	GM3WTA	PA4WM	DJ6OI
G3BDQ	W0UVC	PV8ABC	HB9NL	RA3AH	DK8MM
G3OIL	W1CTN	PY2DO	IK5ZUK	RA4P	DL1TPY
G4AAW	W4AVY	R2AB	IV3GOW	RA4SD	DL1TRK
G4PUQ	W4MZ	R3IS	IV3KCB	RB7GG	DU7ET
G4VGO	W5THT	RU3UN	JA1VVX	RK9F	EA2AAZ
I0OSI	W5VU	S59DJK	JA2VMU	RY6M	EA3ALD
JA2GQO	W6SZN	SM6WET	JA6TMU	SM2DMU	EA8AXT
JA2OLJ	YO7APA	SP5MXZ	JA7SFD	SM7NDX	EC5A
JA3FHL	102	T77V	JE1PHH	SP7JLH	EI3ISB
JA8EJO	A6/RV6LNA	UA1AIR	JF1RPZ	SV1PL	ES5NC
JE1SYN	CT4BD	UA1CKC	JH3HGH	UA0FDX	FM5GU
JH1DGQ	DK3QM	UA6HOF	JH3PRR	UG6GAW	G0VXE
JM2RUV	DL3DXX	UA9MR	JH7BKN	UR5WIF	G4CGG
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K4LQ	DL4KUG	VE2FYR	K1YR	UT4IS	IK0HFO
K5JUC	DL5RDI	W0JMP	K2BX	UT7HA	IK4MSV
K7BTW	DL5RDI	W1AW	K3SEW	VE2OJ	IS0/YO3RA
K8CCV	EA8AKN	W1PV	K4NNX	VE3ARF	IT9CVO
K9MUG	EI4DQ	W2LW	K5DNL	VE3XB	IW0BYL
K9XJ	EI6GF	W2TX	K5WE	VK2GR	JA1BRK
KE1IU	ES5RW	W3EKT	K6AAW	W1FC	JA1CPU
KJ4R	F6BWO	W4ALF	K6XJ	W1GF	JA1ILA
KJ7WY	FM5WD	W4KK	K7AR	W2SF	JA4FSH
KM9E	HB9AHL	W5TO	K7IA	W3WH	JA5DQH
LX1DA	I8LWL	W7IUV	K8BN	W4BUE	JA9CGW
N0RU	IT9SFT	WA0IDK	K9JU	W4PM	JF3DRI
N1HOQ	JA0HXV	WA1S	K9PG	W5RF	JS6TWW
N9BBQ	JA8OW	WD8DSB	KC4PX	W7AV	K0LB
NU1T	K0YN	WS4Y	KD3UY	W7CB	K0XM
OH3GD	K1PTF	WW5G	KE1VT	W8GB	K1NA
OK1DQT	K2LP	YO2CMI	KE4S	W9MAF	K1NZ
OK2BQU	K2TER	YO2IS	KF7NN	W9ZCL	K2CBI
OK3BRK	K2TK	101	KN6J	WA3EKL	K2CYE
OZ7JZ	K3KG	AA2VG	KQ1F	WA3PTF	K3TZV
	K4AQQ		KS4XQ	WB3HLH	

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