

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 27 Apr 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	328 R4GM UA4CC	317 W3LPL	RZ3AM SP2FAX	UA6A	299 JA4DND K4TEA N1BUG OE1WEU SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	316 W2VO	310 I4AVG KJ9I RA3CQ SM5BFJ SM6CVX	304 CT1EEB DJ0MDR SM3GSK	
340 K1ZM	324 K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA K5RK N1DG OH3SR S50U W1JR	309 UT5UGR W5IZ	303 F5LGE GM0GAV JA1BK JA4LKB K1UO RU3DX YU1FW	298 9A2AJ IK2DFZ OE6IMD OZ3PZ SM5CEU
339 W4DR W4ZV	323 EY8MM SP5EWY	314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM3YTS	297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS
335 OH2BU	322 UX0UN W3UR	313 GM3POI OE3GCU OG2M OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SV8JE	296 DF2UU F5NTV G4PWA ON5NT RY9C W1JZ
334 N4WW	321 WB9Z	312 OH1MA S54E	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR SP3EPK VA3EF	295 K3UA SV8CS
333 R7LV	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA RA7A	305 JA7NI K4ZW N4IS NN4T		294 DL1AMQ JH2FXK
332 UR0MC	319 N0XA SM4CAN				
331 K5UR LZ2DF					
330 AA1K HA0DU OH1XX UT7QF					
329 K3UL UA4HBW	318 4X4DK W9ZR				

LA5HE RJ3AA WD5COV	287 CT1APE DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	JA2PJC K1CP NJ6P S59Z W4TO	SP6AEG UW2ZM	267 LU8DPM RZ3DX	K1LT K4DY KX4R
293 N0TB S58T		280 EA6NB SP6HEQ YO3APJ	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD	259 DF4PL F6GCP G3ZSS I1FQH R9FM
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN UA6MF	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA4V AA6YQ AA7A K4XP RW0LT SV8BHN YO5BRZ	258 KW9A N5KD RN3CT VE3QAA
291 9A7V DF3GY IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	285 G4CCZ HB9BGV UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU CT1EKY DL1DUL DL2OE OH1LEU SP6CIK	264 IK2YCW K7ZV W1GL	256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF
290 UA3AKO	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW LA5IIA N3NT W2SM W3AP	255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI
289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW OK1AWZ VE2TZT	270 AA1V JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA KR9U W1YY	254 N0AT OM3DX WA4FFW
288 PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	282 DL1YD I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU SP5CJQ	269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S SP5DIR	253 5B4AGN AA1QD K5ESW
	281 DF2PY HB9BIN		268 DL5DSM G3WPH RA3XDX SP9JZU W1MK	260 EA5BM	

S58Q UA1OMS W0YG	NN4X NO2R R7IA WB3AVN	OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	OK2ZI OZ4O SP8AJK YO9HP	N7NG ON4ACG W9IXX	K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT
252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ	240 G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN WA7NS	230 DF6PB DJ5FI FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ WA7NB	225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW
251 DJ7RD DL9RT I1EIS JH0BBE K9NW N4II PY2RO W5UN W7LR	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK	234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR NV9L PY1BVY	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	
250 HB9RG NQ1K OZ8BZ	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 DL8WN EA6ET IK0XEZ JA0DAI K1DG RA0FF VO1HP W3LL	233 K0CS K2UU KA7T SK3PY SV8CKM UA4HAU VA2WA W1TC W7AO	228 AF9H AI0O E72A EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ	224 DL5WW IZ1LBG N0AV N8BM SP5INQ VK6VZ W2RQ
249 AI9L JR3IIR SP5DRH	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G	237 DL7MAE NI0G OM4EX UR5EDX	232 JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T S51DI UA3AP	227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX
248 AB3CV K3WW K5RX K9RX N2NL SM3VAC SV8GFW T77C UT9FJ W9NGA	242 EA4KD KG7H				222 IV3JVV K3SV K6EID K8ZTT N5AW N8PR N9BX SM0CCM SP7GAQ
247 K0IEA K6XT	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY N7RT	236 AB4I AC4G K1JO K9NR K9ZO KC7V	231 4X4NJ HA9RE IK0YUT N6AR	226 I3BUI JA6BZI JF2KOZ JR6EZE	

221 K4MWB K8FH K8SIX MM0EAX N6VR W1ZK W6JRY WS6X	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	K4MQG K8ZH KE9I KG6I LA7JO N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	UY1HY W6PJ W9EWZ 207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	203 JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W8GC 202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR W7DO WA2HZO ZL3IX	LA5YJ RW4NN RW7M UY0ZG W0DD W0MHK W1NT W2IRT W3GG 199 DK2LO G0BNR HB9DDO JA2DPC K6GXO N4DW W1TO YO2DFA 198 DL1ROJ G3UJE G4BUE IT9JNR KB8VAO RX3APM W8HB 197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS
220 AG8B DK2NG HB9LCW HL5IVL JA2WYN JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	206 IK0IOL JA3PIS K2VV K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW	201 CU2DX DL1EJA F4BKV JF1PUW JO7WXN K3HP N4QS W5TCX	196 4Z4DX AA4HP IK4PLW IZ8FWN JA3RAR JA4PXC K8PO KP2A
219 IK3VUU JA2FBY JA2FJP JF3KON LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA OK1DX RN7G W4NL	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA W8UN WB8ZRL		
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA NA2M RU4SO W0LYI W1FJ W2WG W3YY	209 DL5CF DL9MRF EA1RT EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT	204 DJ5AV IK7NXM JA9NFO K3LR K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A		
217 DM5EE JH1IFS K5PC KV7K ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J			

ND0N	JA7JWF	N8LJ	W2YJ	K8WK	175
RA9CMO	JH1RFR	RM0F		N2PK	JA1CHN
RZ4FO	K3FN	W6SR	183	OK1MG	JA9NLE
W2FCR	K4FJ	W8JV	CT1FMX	S57UN	JS3CTQ
W4UM	K5XX	WA3C	CT3MD	SM4DDE	K4DLI
	K7GM	WA6YEE	IT9INO	SV3FUP	K5GKC
195	K9EU		K4CN	W8KEN	N7IR
EA3JL	KF7PG	187	K8VC		N7XR
EA5RM	N4DB	AJ1H	N9MB	178	PE1L
G3ZEM	N5LZ	K0SR	NN2L	4Z5CX	SP1MGM
JA1EOD	W3UA	K6SRZ	ON6SAS	EA3CJ	TF3SG
JH1QAX	W3YQ	KL0S	W2FP	JA4MRL	VE3FF
JN7FAH	W8LGJ	KN5O	W8NW	JE2URF	WX0V
K7SO		N2NS		K2UR	
K9RT	191	OK1CZ	182	LA0FA	174
KF8UN	JA1ANR	SM0NJO	DJ9ON	NE0U	4Z5MU
N1SV	K0JGH	W7AWA	DK3UA	SM7DLK	JA0GJJ
NK1K	K8FC		HK3W	SV1JG	JA1PPW
W5ZG	K9LA	186	JA1SHE	W6NWS	JA2XW
W9OP	RK2FWA	9A8A	K8RRT	W7MEM	JA7MOL
	SM7GIB	IK2QPR	UR3EO	ZS1LS	JF7DZA
		JA8DNV	W1YM		JK1OPL
194	190	K0BJ		177	JR6PGB
K4KDX	IZ8XQC	K3PA	181	9H1SP	K0TT
K9JF	JA1DUH	K7LAY	DK3WW	AE5E	K1KI
KB9LIE	JA1MCU	YL2TW	JA3ENN	CT1EAV	K2KA
KC9ARR	K2TE		JN4MMO	CT1GFK	K3AJ
LA7AFA	K9KU	185	K2EP	IK4ADE	K4TR
W2LO	KM1D	AB6QM	LZ2ZG	K3WC	K4WS
W4FC	N4XU	EA6BF	N3OC	K9NU	OE1WHC
W9OO	N5GH	G3KWK	VE3OSZ	SM6DHU	RN7F
WD8JJA	NE1B	IK3SWB	W9AJ	W2OR	UA3LNM
WN6W	SP2LNW	JA2LCP		W5LT	W8UV
	VE7VV	K5ZD	180	W7FI	W8VVG
193	WE9R	LA3WAA	DM2DXA	WB7B	WT8C
DF2GH	XE2X	N4TJ	DM3VL		
DK1FW		N5UR	EA8JF	176	173
DL5ZB	189	OE2BZL	JA2BDR	CT1FPQ	5B4ALJ
DL6ZXG	9A2F	SP3FAR	K6SSS	EU1AB	I1JQJ
EA3WD	EA8PP	SV1DPI	K7BG	I6FLD	JA9TWN
HA5BSW	FM5CD	UA9CBO	LA9AJA	JA0DET	K1NTR
JA0EOK	JA0VSH		N1RR	JA5IU	K4XR
JA1XEC	SP7HOV	184	N4AH	JA6BJV	K9YC
K4ODL	UA7T	HA5WA	ON5FP	JA8KSF	KA1J
N9EN		I2AOX	UT2UB	JL1SAM	N5FG
PA0LOU	188	JA2ZL	W1RM	K8MN	PY5EW
RN1ON	AA1ON	JF1NZW	W7BEM	N5OK	W8HC
UA0CA	AB4IQ	K4HGX	W8TN	OK1DWC	
W9MU	JA1KQX	K5KLA		RL3FA	172
WA2VYA	K0BBC	KB4ET	179	SM5FUG	EA7TV
	KB0EO	OH2IS	IT9ELD	W4BP	G0BLB
192	KB1EFS	S57AC	IW0SAF	W4GD	G3NKC
9A2NA	KE9ET	US8UA	JR7BDQ	YO7NE	IZ5MOQ
CT1IUA					

JA3FGJ	UY5AA	K4ZYU	162	159	156
JG0CQK	W6RW	OH2BLD	4O3A	HB9TKS	AB9V
JG3IWL	W7YAQ	RM3DA	9A4W	JA4FKX	DL4MM
K0DEQ	WA9PIE	W0DJC	F3AT	JH6QFJ	IZ8IEV
K1BD	WB3JFS	W1RR	JA6GIJ	K4RO	JO7HAM
K6FG		W8ILC	JR5JAQ	OK2ZV	K0QC
KJ0M	168	WA8TXT	LB6KC	UN7JX	K8YSE
W3JX	G3MXJ	WP4U	N8MR	W3HKK	KS1J
W4FQT	IK2EGL		RW3RN	W6BJH	N3RC
WC4X	JE7JDL	165	W0HT	W7SX	N3UA
	JF2UPM	DL7UCX	W0TT	WD5BJT	UA3SAQ
171	K5QY	I2ZGC	W1LW		VA3LX
AA9D	K8RYU	IK0AGU	W8WEJ	158	W1YIF
DL6KR	KR4F	JE7RJS		DJ4PT	W4TV
G0EHO	N4QQ	JH7CFX	161	DL1FKA	
HA9PP	N8BJQ	K5JZ	DK2GZ	IT9DSZ	155
JA6HUG	PA7F	KK4CB	DL6RAI	JA9APS	DL1RK
JR1TNE	SP5GH	N4HB	HB9DHK	JH1TWT	DL4SZB
K1NU	W4SVO	N9FN	JA1DOF	J11FXS	JE3GRQ
LA5LJA	W6VX	NY0V	JH4ALY	J11NJC	K2LS
N0RN	W8OI	RC9F	JH4CPC	JR1GJP	K4RG
N4OGW	WA0MHJ	SM4CTT	K1USA	K5TT	K4WA
N7RO	WA5YNB	SP6EQZ	K5GO	K9GA	NE0DX
N9RC		W5BN	K8ND	OZ1HX	NW7E
RA3DNC	167	164	LB2TB	RU6M	SM6VR
SV1LK	DK5AD	GU4YOX	N4GN	SM4EMO	WE1P
UN9L	JA6VQA	HA7UW	OH6RA	W0SZ	ZS6EZ
	K4XD	HB9BZA	VK3HJ	W1OX	
170	K6KO	JA1RTX	YU2TW	W2XL	154
DJ6TK	K8NK	JA7ZP		W3GQ	3V8SF
JA6JPS	K9MBQ	JH2SON	160	W4QN	GM3PPE
JE3ENP	N0IJ	K1NJ	AD5Q		HB9BUN
JF1WPB	N3BNA	N5WA	DK1WB	157	JA8NFV
JM1GYQ	PA3C	RA3ZH	DL1DA	AA4H	JR3OEH
K6ZZ	RA1AOB	RN3OG	EC3A	AC6DD	K0KVR
KI5BLU	RN9N	SV2AEL	EI6FR	DL6MRS	N7WS
N4PY	S51EC	W4DKS	IK0FUX	EA5BY	NX8Y
SP3GTS	VE6WQ	W4NS	IW2FND	G3TQZ	W1NA
SV3KH	W1YW		IZ4DPV	G4GIR	W2XI
W3IP	WA4LOX	163	JA2EPW	JA1GHH	W5DNT
W9EVI	WC5N	9A2JK	JE2OVG	JE2DZC	WB0TEV
WA3AFS		DJ9HX	JF2XGF	JH2QMT	WS7L
	166	F6HDH	JR7MAZ	JH7IAJ	YS1RR
169	4Z1UF	JE2LUN	K3MSB	LY5A	
IK0PEA	DJ4SO	K7NN	NR4M	N5MOA	153
JA1ADT	HB9FMN	K8TL	RU6L	NE9Z	AA6AA
JE2LPC	IV3TDM	UR4CWQ	UA0FZ	RU4UR	AJ9C
JR1IZM	JA1FNA	VE3CFK	UX5UO	SM3PHM	DL3ZA
K1LI	JA9LJS	W7AL	W1BR	SV8ZS	G3TJW
N1EN	K1KA	WW3S	W5XC	W2TA	HL2CFY
N4XX	K3KY		W9RN	W5GZ	JF1IRW
N7US	K4JLD		WX0B	YV2IF	JR9OPJ
UT8MM	K4PB				K7SP

K8VFX	WP4G	N2WB	RT0F	LA9VFA	W8GNM
KR2Q		NE3F	SM3DTR	MM0SAJ	W8LWU
N4TV	150	W2/CT1GIF		N7QT	WO2T
N5TW	EA1AF	W5FKX	144	NA4D	YL2MU
N8II	IV3RAV	W9JJB	CU3EQ	NQ7R	YO9FNP
R9OK	JA2NQG		DL5CW	NY2NY	
SM6CLU	K0RS	147	DL5KUA	OK1DO	139
SP5CCC	K5TR	EA3GP	E70T	W2OO	DF7EE
UT5UY	K7LV	F5PAC	EI6IZ	W5ADD	DJ4XA
WB8BPU	K8AJS	IV3VBM	GM3ITN	W5LUA	DL5EBE
	KD0PO	JA1XQC	HB9BYQ	W5VQ	DL8OH
152	KU4XO	K7HP	I5MXX	WA5POK	JA1TMG
EW2A	N3QE	K8UT	IT9GSF	WB8CQV	JH0BQX
HB0CC	N9CO	KM1H	IV3DXW		J11DCW
JT1CO	OE5RLM	N1IBM	IZ4GWE	141	K3ANS
KQ4AV	OE8SPW	PC3T	JA3GN	AC9S	K6AM
KS3F	SQ5EBM	W1OP	JE1FQV	DL5MHQ	K8GI
N9OY	SV1CNS	W2KKZ	K0VSH	EW1BA	K8RF
S55ZZ	UA6YW		N1IX	HB9FMT	KA8SYV
UA6IGI	W6DAO	146	N3KK	JA1PTJ	KU0A
UN7LZ	W7CT	EU4A	SM4OLL	JA2ATE	LA8WG
UT5AB		G4FTC	SM5CLE	JA9RRH	OK1MP*
VE6LB	149	JA1HQQ	W4GE	JH1HHC	OK2QA
W1SKU	DL7CX	JA4DHN	W7ZI	JL1UXH	SM5CBM
W1VT	HB9HFN	JA5XAE	W8RLS	K2RW	SV8ZC
W6RLL	IK4FNF	JH1GNU	WC5M	N8OC	W0SD
W7AJ	JA1SVP	K1CA	WD5T	NJ3K	WA8WV
WB3CQM	JL1ARF	K5KV	YO3CD	OE6VIE	
	K3RA	K5SM		SV3FUO	138
151	K3TN	K6NR	143	W2CG	DK8MCT
AA7G	K4YYL	K7WP	DL1DUO	W3BW	DK8YY
CU2AP	K8ME	N7BT	DL6EN	W4JVN	EI9FBB
DK2OY	K8ROX	RU0SN	HS0ZEE	W4VIC	F6DDR
EI9JF	K9MK	W1IZL	K7CMZ	W4WT	IK8EPC
F3SG	R8TX	W1ZT	K7CW	W8HW	JA3OOK
HB9SLO	SM6CUK		KJ9C	ZS1C	JF3LOP
IZ3ENH	UW7UA	145	N2RJ		JH7RXU
JA2VQF	W0GG	AF4HX	N2WM	140	K1RO
JA6BEE	W7HPW	HI3T	N5UW	9A1CAL	K2RET
JH1NYM	WB8B	IOJBL	N6PAT	DF2RG	KJ6P
JR1XIS	WD5K	JE6TSP	NN4R	JR2LJO	LB5WB
K2AX	WS5W	JJ3HGJ	W0IZ	K5WK	ON6AA
K2FW	WW2DX	JK1AJX	W6QUV	K6KLY	OZ8X
N5JB	YO3DDZ	JN1BMX	WB8ZRV	KF8DX	RW4CY
OK1ATP		K1OA	WD9DZV	N4XP	UN7JID
RD3A	148	K3VAT		N6PSE	V51B
RU3A	CT1FCX	K4OY	142	OH6NIO	W1GD
S54A	DK2CC	K8BL	I5HOR	ON7DR	W2YE
SP7AWG	F5CQ	KF6HI	IT9BLB	UN1L	W4YV
SV9AHZ	F5LVL	N1CGP	JR7WFC	VE6SV	W7OM
W7RH	JH1QDB	N4GG	K3PP	W0SEI	
WA1Z	K5VWW	N5XZ	K4WZ	W4NU	137
WA2BCK	LA6OP	NA5C	KK1W	W7IV	DS1JFY

EA1YO	SM3LGO	132	130	K3XA	JH3CUL
GM3YOR	SM5CZK	AA4NC	DF9ZW	K4JAF	JJ1DWT
IZ0RVI	SP3XR	AB9M	E73M	K4SE	JN1RQV
IZ2FOS	W1DIG	AD6W	EI2JD	K6LPO	K2ZD
JA3APU	W1EQ	HB9RYZ	G7VJR	KG7CW	K4JKB
JA4OK	W2GD	IT9RDG	HK0HEU	N5KM	K4XU
JH4JNG	W4BUW	JA2KVD	JA2FBC	OH1ZK	LB7ZG
K2QMF	W4MBD	JA6CBG	JG1DUZ	OZ1IKY	N8NA
K6EME	W4RFZ	JR6FC	K2MYR	R9SG	OK3CQD
K8NS	W6JTI	K6YUI	K6SIK	S53X	PA3EWP
LA9GX	WE4S	K9ZM	K7LFY	S55DX	PA5TT
RA3CO		N6HY	K8BCK	SM3GQP	VE3CX
RG7G	134	ON4CAS	K9GL	SV3DCX	VE7BV
UU1JA	CT3HF	OZ2RH	NA4EA	VQ9LA	W8MK
W1ITU	IK4DCS	SM4BZH	NO9E	W2WC	W8REW
W5ODD	JA7LGE	SM6BGG	OZ2ABI	W4IS	W9ILY
WB5JID	K1TO	SP6M	R3VA	W6RKC	WB0O
	K3OX	VE3CRG	R5QA	ZS1A	WB2REM
136	KX4TT	W4AXL	R9AB	ZS6UT	WD4LBR
E72U	N9MR	W4RBO	RU1AO		XE1KK
ER0FEO	N9RS	W4WM	SP6JIU	127	YU1EXY
HB9IQB	NA5DX	W5SL	TA1CM	CT3KN	
IK8CNT	OE1TKW	W6DR	VE3DO	HK1MW	125
JH4HMG	PY5HOT	W7AH	W2MPK	JA1DDH	9A1AD
K0TV	RG6G	W7CD	W9ZT	JA1WLO	AG1A
K7TM	RX4HW	W9FR		JA8RJE	GW3TMP
KR6C	SM0BYD	WB3D	129	JA9KRO	HK4SAN
N2ZN	UA0ACG	XE2S	HA1RB	JH3AIU	IK5DNF
OK1DW	W4JKC		HB9AZZ	JS2LHI	JA4IYL
SM5OJH	YU1AM	131	JA1NWD	K0RW	JA6VU
SP2BMX		DK7YY	JA8JO	K3TRM	JE1TSD
UT3UZ	133	G3UHU	J14POR	KM3T	JE6UWU
UW8SM	9K2NO	HS1NGR	K3NK	KM4NS	JF2WXS
W2OIB	EU1U	IV3KFB	K4TT	N1AC	JH4ADK
WB7QXU	HB9CQK	JA2TBS	K6XM	N1GC	JL1RUC
	IZ8DFO	JJ1TEA	N0YY	OE8HIK	K1HAP
135	JA7GLB	JM1FHL	N3KS	S51NM	K5KG
5B4MF	JA9AGN	K1UU	N3RR	SK7AX	K8DV
DJ9ZB	JR7FRW	K5VIP	PY5EG	SP6A	KA6BIM
F6FXU	K1ZN	KC2LSD	W0YVA	SP7ASZ	KI4WCQ
IK8GYS	K2CDJ	KH2L	W7QHE	W0CP	LZ1XL
IU0HDC	KS4YT	KM3V	W8MET	W0RT	N2KA
JA7LMZ	KU2A	KM4H		W3BG	N3EN
JA8BNP	OE1KM	N3MK	128	W3MF	N4JT
JA8JL	RA5BM	N4QWZ	AA4SC		N9RD
K1ZE	RV4LC	N5PHT	DM2RM	126	ND5S
K4ZRJ	SV5DKL	N6RK	IT9ZZO	DJ8WD	NW6S
K7FL	UQ2PZ	ON4ON	JA2AHH	DL9FCY	OE1AZS
K7XB	VE3WT	R0SR	JA2KSP	F8BPN	OE3SGU
NZ9R	W0NFL	R9MJ	JA9AA	G4IUF	RA0BA
OH1JP	W2QO	R9SA	JE1LFX	IZ7EVZ	UU7JM
R7LP	W5AJ	W8DCH	JH4GJR	JA1XCZ	VE3UTT
RN3RQ			K0FF	JA7KY	W5DAW

W8LMG	UT3QU	W9YE	HB9BCI	W1KSZ	IK2OHG
W9CG*	W1AO	WA1PMA	I2TZK	W4DAO	IT9TQH
YO2RR	W8NJR	WY1G	I4MKN	W4NF	IV3HYD
124	WB8K	XE1VIC	IU0LFQ	W4NJ	JA1WTI
AA7XT	WV4TN	120	JA3AZD	W5JMW	K1DC
IK3VBB	XE1H	9A5F	JA4XGC	W9FI	K1RI
J11DHY	122	AC9EM	JE2JMV	YO4AUL	KT1V
K4ZO	BA4RF	AL7TC	JH6CDI	117	KV1J
KD4POJ	G3NDC	DL2VWR	K5UZ	9Y4VU	PA0JSE
NA2U	JA1MRM	EI2GLB	K7EG	AE0P	RV3ID
PA0TCA	JH1AGU	FG5FR	K8KWT	BH4IGO	TZ4AM
UA0BA	K1ESE	HB9BLQ	K9SG	DL1DWT	UA4PCM
VA7CRZ	K1YT	IZ0LKV	N0KV	IT9AAI	W1ENE
VE1DUN	K2MP	IZ5NFD	N8PW	IT9DAA	W1WEF
W1OPD	K7ZA	JR3UIC	N9UA	JA0AOO	W7GG
W2JU	KR0P	JR6LLN	NT2A	JA1HQT	W7OEV
W2RIJ	LA7WCA	K2BA	NY7T	JA4FM	W8LRO
W3FM	LA8PT	K2HK	OH5NG	JA7GYP	WP3R
W6CYX	N9AW	K3QIA	OK1DT	JA7IC	WQ5L
123	NN7X	K5JC	R6FFB	JM3GXU	115
AB1OC	OZ3Y	K6FW	SV1ACK	JR2UBS	AA5JF
AC4TO	RD4A	KA8ZPE	W0RX	K1BZ	C6AGU
DL7JRD	UU4JMG	N3NR	W4HZ	K2BB	CU2CE
F4GTB	VE6AX	N4BAF	W8FIB	K6PJ	DL9GOA
G4WFQ	W2TB	N4LR	WT4Q	K8OOK	G4XEE
G5LP	WA3I	N4TB	XE1RCS	K8QM	G8BCG
HB0WR	WA7BNG	N4TL	118	N2BJ	G8DX
IK2CHZ	121	N4UFP	5T5PA	N3ND	HA5UK
IK3XJP	AA6RR	OE3EVA	AA4DD	N4IR	HK3PJ
JA0CRG	DF1DB	OZ2A	AB2E	N6MB	IZ7JVR
JA1SJV	DK1EI	PZ5RA	DL5OCE	N8AA	JA2KNW
JA3MHA	DK6CQ	RL3BZ	JA4FHE	N8XI	JA5FDJ
JA6WJL	HB9DHG	SP7ITB	J18DGO	NY4G	JG3LGD
JK1EXO	IK2SGB	SV1IW	K3FRK	SM7BIC	JH1RFM
JR1EBE	JA2HYD	UR5IKN	K3WGR	SP8HKT	K0GD
K2PK	J14WAO	UR9QQ	K4CNW	UA6J	K0SD
K3XO	KD8RQE	US0YA	K7PI	UB3A	K4CMS
K4ZIN	KG9Z	W2YR	K8LN	UR9IDX	K4GHS
K5GH	N0OK	W3OA	K8WVA	US1CT	K4GK
K7UT	N1JP	W4PRO	K9DR	VE3YF	K5XM
K9CS	N6HC	W6RFL	KD2T	W4ZRZ	K8YTO
KV4T	SV1AHX	W7RN	KD6UO	W6SL	KO8SCA
N2ED	UQ1GWW	ZL4AS	KG8CW	W8ZR	LY4T
N4DWK	UT4EO	119	KV4AA	WA2USA	N0IRM
N6MZ	UU2JQ	AA3AZ	LZ2HM	WC2K	N4OA
N9JV	VA3AYA	AE3T	N2MM	116	N5BO
N9LQ	W0QQ	AJ4A	N4DJ	AJ4F	N8KOL
NA2P	W2GG	DK3GG	PY2PA	DL7URH	PA3AXU
NA9RB	W3RJW	EW4M	RN3TT	EA5BRE	RZ6MJ
S50B	W6XI	G4DJJ	SV9COL	HA7PF	UA1ANA
UA3DK	W9XX	HB9AAQ	TA2RC	IK0EIE	UA1CGS
			VK4CAG		UA6XT

UN6T	JH1ORA	HB9G	G3PLP	IZ0CKJ	K6MW
W4UCK	JH3GCN	IK2ANI	G4DBN	JA7EPO	KE1F
YL2CZ	K0TPP	IU8FRE	HL3GOB	JE2UFF	KZ5DX
114	K5CD	IZ4DIW	JA1AUD	JH1VHU	N1BZ
BA4DW	K8SL	JA1SXR	JA1FGB	K1EO	N7TY
BA7IO	K9FN	JA4BXL	JA1NCZ	K2BLA	N8NN
CT3FN	K9GWH	JA7BXS	JE2EHP	K3JRR	ND4V
CU3AK	KA4RRU	JR7TEQ	JE8TGI	K3PH	NN4RR
DL6NB	KH6DX	K0JPL	JF2WGN	K4WW	NU4I
F6CWA	KI0G	K1EDG	K5WAF	K6MI	NX7U
G3SDL	KT1J	K1KO	K7ORK	K6VKO	PY5CC
HP3TA	N7KO	K2HAT	K9AJ	KB4MRX	RW4UU
I5OYY	N9ISN	K4UAS	KM1R	KC2STA	RW9QA
IK7YZG	NA3F	K8CC	KZ0X	LZ1PM	RX3AGD
IW0HEX	NG0G	KB2FCV	LA0CX	N2CG	TG9NX
JA4KDT	NI5F	KI4DLS	N4WJ	N3HBX	UB5ZAL
JA5WIZ	NK5B	KM1C	N7BD	N3IQ	UT7KF
JH6WMJ	ON5UE	LA8HGA	N9HF	N3JB	VU2CPL
K1RV	R7NA	N5ZC	NA1DX	N4KE	W5WP
K2DC	RA4UN	N6MA	UR6QA	NC6K	W9HBH
K3MD	RZ3AUL	N6PE	UT1UY	NK7C	WB5TUF
K3NF	SM5ARL	NA9Q	VE6KC	NY4I	WN0L
K3OSX	SP3EPG	RU4SU	VE7CT	OZ1LCG	YV3AGT
K5RJ	SV1FKZ	SM3DMP	VE7UF	RD9M	108
KB8U	SV1JFV	UA1ACG	W0VHF	SM5BHW	AI2Q
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N1QY	UN7TW	UT6UD	W3FOX	SV1VS	DL6CNG
N2JJ	VE3KI	VE7XF	W4HOG	UA3O	ER1LW
N3MN	W2GW	W1HEO	W4OX	US7MM	G3VAO
N4IQ	W6BK	W2CVW	W5AQ	W0UY	HB9BAT
NU8Z	W8FAX	W2SKI	W7VS	W3XY	HB9FAN
UA3FT	W9DX	W3MR	W8KA	W4DC	IK0PRG
W0VX	W9VNE	W3UL	W8MIL	W4NE	IZ0BTV
W4TUN	WA4DOU	W4VHF	W9RB	W5ZPA	IZ2EWR
W5VY	WB2HJV	W5VX	WA2BOT	W6KK	JA2MOG
WA1FCN	WB2UFF	W6TC	WA2MUA	WL7E	JA3NHL
WA8MCD	WS4C	W8GEX	WB4TDH	XE1FAS	JJ2PIK
WA9YYY	WX3P	W8HMK	WB9EEE	YU7AU	JK1MZT
WN9O	XE1RBV	W9SE	YL3DQ	ZL3NW	K1EP
XE3ARV	ZL1BYZ	WA8OLN	YO6HOY	109	K1XM
113	112	WT9U	110	DF1KG	K2CJ
9A1A	A92IO	ZP6CW	BA4MY	EA3GHZ	K2KQ
DJ5DT	DJ1RL	111	DG7RO	EU4T	K2MK
DJ9RR	DK5RL	AA4U	DL1VDL	F8EZE	K4WY
DL8CM	DL5CL	AB4GE	EA5BYP	G3SVD	K4YJ
DL8DYL	EA1JO	AF4OX	F5BAR	J68HZ	K6UT
EA5KA	EI8IU	CU3AN	G3LNS	JA2CXF	K8OM
G4AFJ	EW1DO	DK2WH	G8AJM	K2ONP	KM8AM
JA0GCI	G3XGC	DK6ED	HC1BI	K4RDU	KN4JX
JA1OVD	HB9CEX	DL1HRN	I2BBJ	K5FZ	LU2DKT
JA4ITW	HB9CRV	EV1R	IK5RUN	K5KA	N4MEC
	HB9EFK	F6ECI	IK8UHA	K5KPE	N6RFM

N9TF	OE1CP	KK9H	JA9APM	DK3BK	UT7EC
NU4Y	OK2BUZ	KP4AA	JF1RYU	DL4FAP	UX4UM
PA0ZH	OK3CQR	KQ3F	JO4CFV	DL7UPN	UY0MM
R5FY	R0FA	N0JZ	JR1BAS	E73D	VE3VHB
R7LA	RN4AA	N2CW	K1DJ	EA8ZS	W0YBS
RX6DX	RV6ARZ	N2SQW	K2XF	EI9E	W1QA
S57J	SP3BQD	N2WLG	K4MS	F6AJA	W3DRY
SM6AOU	SP6AXW	N3XM	K5AV	F8GB	W3TMZ
UX7UN	US5CB	N8AID	K7OX	G3BRD	W5CWQ
UZ6LWZ	VE3OI	NA5Z	K7PO	HB9CIP	W5GJ
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W7ACD	W8IW	OH2OT	KX2A	JA2FGL	WA0I
WA2ALY	W8VK	OK1AYU	LZ1JZ	JF1EGO	WA0RVK
WA4CEM	W9CPV	OK2BVG	N2DPF	JF6WTY	WA9ETW
WA8MOA	WB6CJT	S57AL	N4JI	JK1BSM	YC0LOW
WB8BZK	WB8ART	UR3CRO	N4NW	JO1WXO	YO5ODE
WC1M	WS1L	UT7UU	N4PL	K0WK	
WD9EQU	XE2YWH	UU5WW	N4SC	K1BG	103
WW1WW	YL1XZ	V73AZ	N4VN	K3FM	AG1I
	ZL3RJ	VQ9SS	N6NU	K4KEW	AI3Q
107		W1CWU	ON7PQ	K4MF	DJ1MM
4Z5LA	106	W2EQ	OZ4AAL	K4VIG	DJ3GZ
DJ8ES	AA4FL	W2LE	PF7M	K5HK	DJ7PI
DK3FB	AE2U	W2NO	PJ2/K8ND	K6UM	DL2HX
DL2CHN	DJ6OZ	W3ICM	PY2DS	K7TJR	DL8YRM
DL5XU	DL1QQ	W4IR	R6YY	K9EA	DM5TI
DO4DXA	DL2NOM	W5JAY	RA6AF	KA2BZS	DS3HWS
EA5AT	DL3JSW	W8OP	RD4WM	KH6KG/W5	EA7SG
EA7QW	DL6JZ	WA4MYO	SP5JXK	KI0KB	EU6MM
FG8OJ	EA3CCN	WA6TLA	UA6LCN	KW0A	EW3LB
G4AKY	HA8DZ	WC6DX	UR1RWX	LZ2XF	G3BDQ
G4RGK	IK0ZIO	YL2GN	UR2RGN	N3ER	G4AAW
HI8R	IW3GJF	YU3EF	VE1PZ	N3TR	G4PUQ
I5IHE	JA1VLK		VR2MY	N4GU	G4VGO
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JH9DRL	JG5RVQ	DJ3XD	W4OWY	N9DR	JA3FHL
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KE2R	K1PX	G3YUV	104	RZ6DX	K4LQ
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N4RF	K5ZQ	JA4EVN	AG4Q	SO5AS	K9MUG
N6EE	K8JJC	JA6VA	AH0U	UA9FGJ	K9XJ
N8AGU	KB9DAK	JA7BME	CP8HD	US5CAO	KE1IU
NA5Q	KK8X	JA8RRF	CX3CE	UT4EK	KJ4R

KJ7WY	ES5RW	W1PV	K6XJ	VK2GR	JA1ILA
KM9E	F6BWO	W2LW	K7AR	W1AW	JA4FSH
LX1DA	FM5WD	W2TX	K7IA	W1FC	JA5DQH
N0RU	HB9AHL	W3EKT	K8BN	W1GF	JA9CGW
N1HOQ	I8LWL	W4ALF	K9JU	W2SF	JF3DRI
N9BBQ	IT9SFT	W5TO	K9PG	W3WH	JH7BKN
N9PGG	IZ4MJP	W7IUU	KC4PX	W4BUE	K0FLY
N9SF	JA0HXV	WA0IDK	KD3UY	W4PM	K0LB
OH3GD	JA1JAT	WA1S	KE1VT	W7AV	K0XM
OH4UI	JA6OXT	WD8DSB	KE4S	W7CB	K1NA
OK1DQT	JA8OW	WS4Y	KF7NN	W8GB	K1NZ
OK2BQU	K0YN	WW5G	KN6J	W9MAF	K1TZQ
OK3BRK	K1PTF	YO2IS	KQ1F	W9ZCL	K2CBI
OZ7JZ	K2LP		KS4XQ	WA3EKL	K2CYE
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R9GM	K3KG	AA2VG	LA6UL	WC4H	K4FT
RA0FA	K4AQQ	AA3LX	LZ1XZ	WK9U	K4KSY
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RK3QY	K5ZO	AC2AC	N2AJ	YO2OXD	K4UQC
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SM7BHH	K8BHZ	DH2FW	N9JCS	100	K8CS
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VA2ZO	KY6R	DL5JS	OE3WQB	AB4VV	KC0V
VA3IC	LA3ANA	DM3ML	OH3TY	AC4VM	KC4D
VE3EDY	N5RZ	EA1WX	OK1PGF	AI2S	KC5LT
VE3MFA	NZ3M	EU1TT	OK2BOB	DJ6OI	KD8BZY
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W4MZ	PV8ABC	IV3KCB	RA3AH	EA2AAZ	LU5YF
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YO7APA	RU3UN	JA7SFD	RK9F	ES5NC	N0ATQ
	S59DJK	JE1SYN	RY6M	FM5GU	N1KI
102	SM6WET	JF1RPZ	SM2DMU	G0VXE	N1MD
A6/RV6LNA	SP5MXZ	JH3HGH	SM7NDX	G3OIL	N2SG
CT4BD	T77V	JH3PRR	SP7JLH	G4CGG	N2XQM
DK3QM	UA1AIR	J13KDH	SV1PL	GM3ZSP	N3AF
DL3DXX	UA1CKC	K0LW	UA0FDX	I2VGW	N4CRI
DL3NCR	UA6HOF	K1YR	UG6GAW	IK0HFO	N4ZR
DL4CW	UA9MR	K2BX	UR7CQ	IK4MSV	N7DED
DL4KUG	UA9UCO	K2TER	UT1CC	IS0/YO3RA	N7TK
DL5RDI	UW7CN	K3SEW	UT4IS	IW0BYL	N8IL
EA8AKN	VE2FYR	K4NNX	UT7HA	IW0HQE	N8NB
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NB3R	W7JET
NG7A	W8CNL
NJ3I	W8FN
NN4SS	W8GDQ
NU1T	WB4SON
OE5JDL	WU2M
OK1DXD	YB1TJ
OK2PAZ	YL2SM
ON4ANN	YO2CMI
ON7EH	YO9FLD
ON7GB	ZP9MCE
ON9CC	ZS2DL
OZ1ZD	
PA0INA	
PA7RA	
R3PJN	
R9JX	
RA3SD	
RA4LW	
RA6XB	
RC2A	
RN1A	
RT5A	
RU3GF	
S53MJ	
S59SV	
SV1VJ	
SV2DSJ	
UA3AKI	
UA4PAY	
UA6CEY	
UN6P	
UR4CW	
UR4LRG	
UR8IDX	
US8UW	
VE1RGB	
VE3OAT	
VE7JKZ	
VP2VA	
VR2PX	
W0GYH	
W0MU	
W1AN	
W1YRC	
W2CCC	
W3BBO	
W4HHN	
W4MAY	
W4OEP	
W4OV	
W5BK	