

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 13 Mar 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 4X4DK 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		315 IK4WMA K5RK N1DG OH3SR S50U W1JR		303 F5LGE JA1BK JA4LKB K1UO RU3DX YU1FW	
339 W4DR W4ZV	324 K2TQC OH2BO W1NG		309 UT5UGR W5IZ		298 9A2AJ IK2DFZ OE6IMD OZ3PZ SM5CEU
335 OH2BU	323 EY8MM S50A SP5EWY	314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM0GAV GM3YTS	297 DK5PR N4CC OM2XW RA3DX W0FLS
334 N4WW			307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX S54E SV8JE	
333 R7LV	322 K4PI UX0UN W3UR				296 DF2UU F5NTV G4PWA JA2JPA ON5NT RY9C W1JZ
332 UR0MC	321 WB9Z	313 GM3POI OE3GCU OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR SP3EPK VA3EF	
331 K5UR LZ2DF	320 SM4HCM W8UVZ				295 K3UA
330 AA1K HA0DU OH1XX UT7QF	319 K8MFO N0XA SM4CAN	312 OG2M OH1MA			
329 K3UL UA4HBW	318 W9ZR	311 DF3CB DJ6RX DJ9KG G3PQA RA7A	305 JA7NI K4ZW N4IS NN4T		294 DL1AMQ JH2FXK LA5HE

RJ3AA SV8CS WD5COV	287 DL1RWN G3XTT N2QT VA3DX W4PK	S59Z W4TO	SP6AEG UW2ZM	RZ3DX	K1LT K4DY KX4R
293 N0TB S58T	286 CT1APE DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	280 EA6NB SM4DHF 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	285 G4CCZ HB9BGV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN UA6MF	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA1V AA4V AA6YQ AA7A RW0LT SV8BHN YO5BRZ	258 KW9A N5KD RN3CT VE3QAA
291 9A7V DF3GY IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	284 K5XI SP3DV	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM UR5WA	272 9A2EU CT1EKY DL1DUL DL2OE SP6CIK	264 IK2YCW K7ZV SP9JZU W1GL	257 K1GUN W9YSX
290 UA3AKO	283 JA5EXW JH4IFF NA0Y NO3M R3OK	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW LA5IIA W2SM W3AP	256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL N8TR PA7MM W1TSP
289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX K4SO K8KS K9CT N2LT N7NR SM6CTQ US5WE UY5ZZ W0BV W2YC	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ VE2TZT	270 JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA K4XP KR9U W1YY	255 K4QL KY7M N2MF R5AJ UX0FF VK4MA W3DF W5OZI
288 PA3GCV SL0ZG SP7VC UA4LY W0JX WK3N	281 DF2PY HB9BIN JA2PJC K1CP NJ6P	275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU SP5CJQ	269 K6ND KD5M RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N3NT N6SS NO8D SP1S SP5DIR	254 N0AT OM3DX WA4FFW
			268 DL5DSM G3WPH RA3XDX RK4FD W1MK	260 EA5BM	253 5B4AGN AA1QD K5ESW S58Q UA1OMS
			267 LA3MHA LU8DPM		

W0YG W3KX	NO2R R7IA WB3AVN	OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	SP8AJK YO9HP	ON4ACG W9IXX	US0SY UT5JAJ VE6WZ W0VTT
252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD JF8QNF K0IEA N6TR TF4M W2TQC W5XZ	240 JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN W3LL WA7NS	230 DJ5FI FK8CP JA1CMD N8JV SM3NXS W4GF W4VQ	225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW
251 DJ7RD DL9RT I1EIS JH0BBE N4II PY2RO W5UN W7LR	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 G8VR JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK	234 AC4G AJ6T IZ8FFA K1AR K4UTE KF0QR NV9L PY1BVY	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	224 DL5WW I3BUI IZ1LBG N0AV N8BM SP5INQ VK6VZ W2RQ WA7NB
250 HB9RG NQ1K OZ8BZ	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 DL8WN EA6ET IK0XEZ JA0DAI K1DG RA0FF VO1HP	233 JA0FSB K0CS K2UU KA7T SK3PY SV8CKM UA4HAU VA2WA W7AO	228 AF9H AI0O EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX
249 AI9L IV3ODE JR3IIR K9NW 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 E72A ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW KD0Q W1TC W9BF WB6RSE	222 DF6PB IV3JVJ K3SV K6EID N5AW N8PR N9BX SM0CCM SP7GAQ
248 K3WW K5RX K9RX N2NL SM3VAC SV8GFW T77C UT9FJ W9NGA	242 EA4KD KG7H	236 AB4I K1JO K9NR K9ZO KC7V OK2ZI OZ4O	231 4X4NJ HA9RE IK0YUT N6AR N7NG	226 JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG	
247 AB3CV K6XT NN4X	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY N7RT				

221 K4MWB K8FH K8SIX MM0EAX N6VR W1ZK W6JRY WS6X	JA9PPC JH1IFS K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	K4MQG K8ZH KE9I KG6I LA7JO N1ZZ N4MM OZ1AXG SM5CZQ WB9CIF WS9V	UY1HY W6PJ W9EWZ	203 JA2XYO JE1PNX K4XO K9MMS KK2I PA0A R6AF W8GC	RW4NN RW7M UY0ZG W0DD W0MHK W2IRT W3GG
220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR K8ZTT KA1R N1LN N5JR VE3EXY	215 AD5A K3JGJ LA7GIA N7JW RA1QD W0UO W2LK W6YI	211 IK4DRR JA4DEN K3WA LA4GHA NX0I RU3SD UR5FEO W1ECT WA5VGI	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV K3LR KV7K LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR W7DO WA2HZO ZL3IX	199 DK2LO G0BNR HB9DDO JA2DPC K1GG K6GXO N4DW W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP JF3KON LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW JA2WYN K4NA OK1DX RN7G W4NL	210 I8SAT JJ2LPV UW7LL W7JW	206 IK0IOL JA3PIS K2VV K5AQ K5MC KG9N N8DJX SM6BZV US0KW VE3BW	205 F6EXV I4KDJ JA3AAW JA9FPI K8AC LA7HJA PY2XB W8UN WB8ZRL	198 DL1ROJ G3UJE G4BUE IT9JNR RX3APM W8HB
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M RU4SO W0LYI W1FJ W2WG W3YY	209 DL5CF DL9MRF EA1RT EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT	204 DJ5AV IK7NXM JA9NFO K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	201 CU2DX DL1EJA F4BKV JF1PUW JO7WXN K3HP N4QS W5TCX	197 G3SNN I5KKW JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL
217 DM5EE K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP	208 G3NSM I4LCK JA7MSQ JF4VZT K2FU K5RT N5ORT RU3ZX UN5J		200 AG4W JA1GTF JH2RMU K1GE K9US K9YY LA5YJ	196 4Z4DX AA4HP IK4PLW IZ8FWN JA4PXC K8PO KA9FOX KP2A ND0N RA9CMO RZ4FO W0FS W2FCR
216 JA6LCJ					

195	K5XX	W8JV	CT3MD	W8KEN	K4DLI
EA3JL	K7GM	WA6YEE	IT9INO		K5GKC
EA5RM	K9EU		K4CN	178	N7IR
G3ZEM	KF7PG	187	K8VC	EA3CJ	N7XR
JA1EOD	N4DB	AJ1H	LA3WAA	HK3W	SP1MGM
JH1QAX	N5LZ	K0SR	NN2L	JA4MRL	TF3SG
JN7FAH	W3UA	K6SRZ	ON6SAS	JE2URF	VE3FF
K7SO	W3YQ	KL0S	W2FP	K2UR	WX0V
K9RT	W8LGJ	KN5O	W8NW	LA0FA	
KF8UN	WN6W	N2NS		NE0U	174
N1SV		NE1B	182	SM7DLK	4Z5CX
NK1K	191	OK1CZ	DJ9ON	SV1JG	4Z5MU
W4UM	G0OIL	SM0NJO	DK3UA	W6NWS	JA0GJJ
W5ZG	JA1ANR	W7AWA	HA5WA	W7MEM	JA2XW
W9OP	K0JGH		JA1SHE	ZS1LS	JA7MOL
	K8FC	186	K8RRT		JF7DZA
194	K9LA	9A8A	UR3EO	177	JK1OPL
JA3RAR	RK2FWA	IK2QPR	W1YM	9H1SP	JR6PGB
K4KDX		JA8DNV		AE5E	K0TT
K9JF	190	K0BJ	181	CT1EAV	K2KA
KB9LIE	CT1IUA	K3PA	DK3WW	CT1GFK	K3AJ
KC9ARR	IZ8XQC	K7LAY	JA3ENN	EA8JF	K4TR
LA7AFA	JA1DUH	WA3C	JN4MMO	IK4ADE	K4WS
W1NT	JA1MCU	YL2TW	N3OC	JE1BMJ	OE1WHC
W2LO	K2TE		VE3OSZ	K3WC	RN7F
W4FC	K9KU	185	W9AJ	K9NU	UA3LNM
W9OO	KM1D	AB6QM		SM6DHU	W8UV
WD8JJA	N4XU	EA6BF	180	W2OR	W8VVG
	N5GH	G3KWK	DM2DXA	W5LT	WT8C
193	SP2LNW	IK3SWB	DM3VL	W7FI	
DF2GH	VE7VV	JA2LCP	JA2BDR	WB7B	173
DK1FW	WE9R	K0BBC	K2EP		5B4ALJ
DL5ZB	XE2X	K5ZD	K6SSS	176	I1JQJ
DL6ZXG		N4TJ	K7BG	EU1AB	JA1PPW
EA3WD	189	N5UR	LA9AJA	I6FLD	JA9TWN
HA5BSW	9A2F	OE2BZL	N1RR	JA0DET	K1NTR
JA0EOK	EA8PP	SV1DPI	N4AH	JA5IU	K4XR
JA1XEC	FM5CD	UA9CBO	ON5FP	JA6BJV	KA1J
K4ODL	JA0VSH		UT2UB	JA8KSF	N5FG
KB8VAO	SM7GIB	184	W1RM	JL1SAM	PY5EW
N9EN	SP7HOV	I2AOX	W7BEM	K8MN	W8HC
PA0LOU	UA7T	JA2ZL	W8TN	N5OK	
RN1ON		JF1NZW		OK1DWC	172
UA0CA	188	JH1RFR	179	RL3FA	G0BLB
W9MU	AA1ON	K4HGX	IT9ELD	SM5FUG	G3NKC
WA2VYA	AB4IQ	K5KLA	IW0SAF	W4BP	IZ5MOQ
	JA1KQX	KB4ET	K8WK	W4GD	JA3FGJ
192	KB0EO	OH2IS	N2PK	YO7NE	JG3IWL
9A2NA	KB1EFS	S57AC	OK1MG		K0DEQ
IK0FVC	KE9ET	US8UA	S57UN	175	K1BD
JA7JWF	N8LJ		SM4DDE	JA1CHN	K6FG
K3FN	RM0F	183	SV3FUP	JA9NLE	KJ0M
K4FJ	W6SR	CT1FMX	W2YJ	JS3CTQ	W3JX

W4FQT	JE7JDL	W8ILC	LB6KC	W3HKK	K0QC
WC4X	JF2UPM	WA8TXT	N8MR	W6BJH	K8YSE
171	K5QY	165	RW3RN	W7SX	KS1J
AA9D	K8RYU	DL7UCX	W0HT	W9RN	N3RC
DL6KR	KR4F	EA7TV	W0TT	WD5BJT	N3UA
G0EHO	N4QQ	I2ZGC	W1LW	158	UA3SAQ
HA9PP	N8BJQ	IK0AGU	W4DKS	DJ4PT	VA3LX
JA6HUG	PA7F	JE7RJS	W8WEJ	DL1FKA	W1YIF
JR1TNE	SP5GH	K5JZ	WA9PIE	IT9DSZ	W4TV
K1NU	W4SVO	KK4CB	161	JA9APS	155
K9YC	W6RW	N9FN	DK2GZ	JH1TWT	AB9V
LA5LJA	W6VX	NY0V	DL6RAI	JI1FXS	DL1RK
N0RN	W8OI	RC9F	HB9DHK	JI1NJC	DL4SZB
N4OGW	WA5YNB	SM4CTT	JA1DOF	JR1GJP	JE3GRQ
N7RO	167	SP6EQZ	JH4CPC	K5TT	K2LS
N9RC	DK5AD	W0DJC	K1USA	K9GA	K4RG
RA3DNC	JA6VQA	W5BN	K5GO	OZ1HX	K4WA
SV1LK	JE3ENP	164	K8ND	RU6M	NE0DX
170	K4XD	GU4YOX	LB2TB	SM4EMO	NW7E
CT1FPQ	K6KO	HA7UW	N4GN	W0SZ	SM6VR
DJ6TK	K8NK	HB9BZA	OH6RA	W1OX	WE1P
JA6JPS	N0IJ	JA1RTX	VK3HJ	W2XL	ZS6EZ
JF1WPB	N3BNA	JA7ZP	YU2TW	W3GQ	154
JM1GYQ	PA3C	JH2SON	160	W4QN	3V8SF
JR7BDQ	RA1AOB	K1NJ	AD5Q	157	GM3PPE
K6ZZ	RN9N	N4HB	DK1WB	AA4H	HB9BUN
KI5BLU	S51EC	N5WA	DL1DA	AC6DD	JA8NFV
N4PY	SP3FAR	RA3ZH	EC3A	DL6MRS	JR3OEH
SP3GTS	UN9L	RN3OG	EI6FR	EA5BY	K0KVR
SV3KH	VE6WQ	SV2AEL	IK0FUX	G3TQZ	N7WS
W9EVI	W1YW	W4NS	IW2FND	G4GIR	NX8Y
WA3AFS	W3IP	W7YAQ	IZ4DPV	HB9TKS	W1NA
169	WA0MHJ	WP4U	JA2EPW	JA1GHH	W2XI
IK0PEA	WA4LOX	163	JE2OVG	JE2DZC	W5DNT
JA1ADT	WC5N	9A2JK	JF2XGF	JH2QMT	WB0TEV
JG0CQK	166	DJ9HX	JR7MAZ	JH7IAJ	WS7L
JR1IZM	4Z1UF	JE2LUN	K3MSB	LY5A	YS1RR
K1LI	DJ4SO	K7NN	NR4M	N5MOA	153
N1EN	HB9FMN	K8TL	RU6L	NE9Z	AA6AA
N4XX	IV3TDM	UR4CWQ	UA0FZ	RU4UR	AJ9C
N7US	JA1FNA	VE3CFK	UX5UO	SM3PHM	DL3ZA
PE1L	JA9LJS	W7AL	W1BR	SV8ZS	G3TJW
UT8MM	K1KA	WW3S	W5XC	W2TA	HL2CFY
UY5AA	K3KY	162	WX0B	W5GZ	JF1IRW
WB3JFS	K4JLD	4O3A	159	YV2IF	JR9OPJ
168	K4PB	9A4W	JA4FKX	156	K7SP
G3MXJ	K4ZYU	F3AT	JH6QFJ	DL4MM	K8VJV
IK2EGL	K9MBQ	JA6GIJ	JH7CFX	F6HDH	N4TV
JE2LPC	OH2BLD	K1KI	K4RO	IZ8IEV	N5TW
	RM3DA		UN7JX	JO7HAM	N8II
	W1RR				

R9OK	K8AJS	K2AX	IT9GSF	W2OO	DF7EE
SM6CLU	KU4XO	K7HP	IZ4GWE	W5ADD	DJ4XA
SP5CCC	N3QE	K8UT	JA3GN	W5LUA	DL5EBE
UT5UY	N9CO	KM1H	JA5XAE	W5VQ	DL8OH
WB8BPU	N9MB	N1IBM	K0VSH	WA5POK	JA1TMG
	OE5RLM	PC3T	K5TR	WB8CQV	JH0BQX
152	OE8SPW	UN7LZ	KD0PO		J11DCW
EW2A	SV1CNS	W1OP	N1IX	141	K3ANS
HB0CC	UA6YW	W2KKZ	N3KK	AC9S	K6AM
JT1CO	W6DAO		SM4OLL	DL5MHQ	K8GI
KQ4AV	W7CT	146	SM5CLE	EW1BA	K8RF
KS3F		EU4A	W4GE	JA1PTJ	KA8SYV
N9OY	149	G4FTC	W7ZI	JA2ATE	KU0A
S55ZZ	DL7CX	JA1HQG	W8RLS	JA9RRH	LA8WG
UA6IGI	HB9HFN	JA4DHN	WC5M	JE6TSP	OK1MP*
UT5AB	IK4FNF	JH1GNU	WD5T	JH1HHC	OK2QA
VE6LB	JA1SVP	K1CA	YO3CD	JL1UXH	SM5CBM
W1SKU	JL1ARF	K5KV		K2RW	SV8ZC
W1VT	JR5JAQ	K5SM	143	N8OC	W0SD
W6RLL	K3RA	K6NR	DL1DUO	NJ3K	WA8WV
W7AJ	K3TN	K7WP	DL6EN	OE6VIE	
WB3CQM	K4YYL	LA6OP	HS0ZEE	SV3FUO	138
	K8ME	N7BT	K7CMZ	W3BW	DK8MCT
151	K9MK	RU0SN	K7CW	W4JVN	DK8YY
AA7G	SM6CUK	W1IZL	K8ROX	W4VIC	EI9FBB
DK2OY	UW7UA	W1ZT	KJ9C	W4WT	F6DDR
EI9JF	W0GG		LZ2ZG	W8HW	IK8EPC
F3SG	W7HPW	145	N2RJ	ZS1C	JA3OOK
IZ3ENH	WB8B	AF4HX	N2WM		JF3LOP
JA2VQF	WD5K	HI3T	N5UW	140	JH7RXU
JA6BEE	WS5W	I0JBL	N6PAT	9A1CAL	JK1AJX
JH1NYM	WW2DX	JJ3HGJ	NN4R	DF2RG	K1RO
JR1XIS	YO3DDZ	JN1BMX	R8TX	K5WK	K2RET
K2FW		K1OA	W0IZ	K6KLY	KJ6P
KR2Q	148	K3VAT	W6QUV	KF8DX	LB5WB
N5JB	DK2CC	K4OY	WB8ZRV	N4XP	NA5C
OK1ATP	F5CQ	K8BL	WD9DZV	N6PSE	ON6AA
RD3A	F5LVL	KF6HI		OH6NIO	OZ8X
RU3A	HB9SLO	N1CGP	142	OK2ZV	RW4CY
S54A	JH1QDB	N4GG	I5HOR	ON7DR	V51B
SP7AWG	K5VWW	N5XZ	IT9BLB	UN1L	W1GD
SV9AHZ	N2WB	RT0F	JE1FQV	VE6SV	W2YE
W7RH	NE3F	SM3DTR	JR7WFC	W0SEI	W4YV
WA1Z	W2/CT1GIF		K3PP	W4NU	W7OM
WA2BCK	W5FKX	144	K4WZ	W7IV	
WP4G	W9JJB	CU3EQ	KK1W	W8GNM	137
		DL5CW	LA9VFA	W8LWU	DS1JFY
150	147	DL5KUA	MM0SAJ	WO2T	EA1YO
EA1AF	EA3GP	E70T	N7QT	YL2MU	GM3YOR
IV3RAV	F5PAC	EI6IZ	NA4D	YO9FNP	IZ0RVI
JA2NQG	IV3VBM	GM3ITN	NQ7R		IZ2FOS
K0RS	JA1XQC	HB9BYQ	NY2NY	139	JA3APU
K7LV	JH4ALY	I5MXX	OK1DO	CU2AP	JA4OK

JH4JNG	W4MBD	JR6FC	JG1DUZ	N5KM	OK3CQD
JR2LJO	W4RFZ	K6YUI	K2MYR	OH1ZK	PA3EWP
K2QMF	W6JTI	K9ZM	K6SIK	OZ1IKY	PA5TT
K6EME	WE4S	N6HY	K7LFY	R9SG	SQ5EBM
K8NS		ON4CAS	K8BCK	S53X	VE3CX
RA3CO	134	OZ2RH	K9GL	S55DX	VE7BV
RG7G	CT3HF	SM4BZH	N3MK	SM3GQP	W8MK
UU1JA	IK4DCS	SM6BGG	NA4EA	SV3DCX	W8REW
W11TU	JA7LGE	SP6M	NO9E	VQ9LA	W9ILY
W2CG	K1TO	VE3CRG	OZ2ABI	W2WC	WB0O
W5ODD	K3OX	W4AXL	R3VA	W4IS	WB2REM
WB5JID	K7XB	W4RBO	R5QA	W6RKC	WD4LBR
	KX4TT	W4WM	R9AB	ZS1A	XE1KK
136	N9MR	W5AJ	RU1AO	ZS6UT	YU1EXY
CT1FCX	N9RS	W5SL	TA1CM		
E72U	NA5DX	W6DR	VE3DO	127	125
ER0FEO	OE1TKW	W7AH	W2MPK	HK1MW	9A1AD
HB9IQB	PY5HOT	W7CD	W9ZT	JA1DDH	AG1A
IK8CNT	RG6G	W9FR		JA1WLO	GW3TMP
JH4HMG	RX4HW	WB3D	129	JA8RJE	HK4SAN
K0TV	SM0BYD	XE2S	HA1RB	JH3AIU	IK5DNF
K7TM	UA0ACG		HB9AZZ	JS2LHI	JA4IYL
KR6C	W4JKC	131	HB9RYZ	K0RW	JA6VU
N2ZN	YU1AM	DK7YY	JA1NWD	K3TRM	JE1TSD
OK1DW		G3UHU	JA8JO	KM4NS	JE6UWU
SM5OJH	133	HB9FMT	JI4POR	N1AC	JF2WXS
SP2BMX	9K2NO	HS1NGR	K3NK	N1GC	JH4ADK
UT3UZ	EU1U	IV3KFB	K4TT	OE8HIK	JL1RUC
UW8SM	HB9CQK	JA2TBS	K6XM	S51NM	K1HAP
W2OIB	IZ8DFO	JJ1TEA	N0YY	SK7AX	K5KG
WB7QXU	JA7GLB	JM1FHL	N3KS	SP6A	K8DV
	JA9AGN	K1UU	N3RR	SP7ASZ	KA6BIM
135	JR7FRW	K5VIP	OH1JP	W0CP	KI4WCQ
5B4MF	K1ZN	KC2LSD	PY5EG	W0RT	LA9GX
DJ9ZB	K2CDJ	KH2L	W7QHE	W0YVA	LZ1XL
F6FXU	KS4YT	KM3V	W8MET	W3BG	N2KA
IK8GYS	KU2A	KM4H		W3MF	N3EN
IV3DXW	OE1KM	N4QWZ	128		N4JT
JA7LMZ	RA5BM	N5PHT	AA4SC	126	N9RD
JA8BNP	RV4LC	N6RK	DM2RM	DJ8WD	ND5S
JA8JL	SV5DKL	ON4ON	IT9ZZO	F8BPN	NW6S
K1ZE	UQ2PZ	R0SR	IU0HDC	G4IUF	OE1AZS
K7FL	VE3WT	R9MJ	JA2AHH	IZ7EVZ	OE3SGU
NZ9R	W0NFL	R9SA	JA2KSP	JA1XCZ	RA0BA
R7LP	W2QO	W8DCH	JA9AA	JA7KY	UN7JID
RN3RQ			JE1LFX	JH3CUL	UU7JM
SM3LGO	132	130	JH4GJR	JJ1DWT	VE3UTT
SM5CZK	AA4NC	DF9ZW	K0FF	JN1RQV	W5DAW
SP3XR	AB9M	E73M	K3XA	K2ZD	W9CG
W1DIG	AD6W	EI2JD	K4JAF	K4JKB	YO2RR
W1EQ	IT9RDG	G7VJR	K4SE	K4XU	
W2GD	JA2KVD	HK0HEU	K6LPO	LB7ZG	124
W4BUW	JA6CBG	JA2FBC	KG7CW	N8NA	AA7XT

IK3VBB	122	120	JH6CDI	117	RV3ID
JI1DHY	BA4RF	9A5F	JI4WAO	9Y4VU	TZ4AM
K4ZO	G3NDC	AC9EM	JR3UIC	AE0P	UA4PCM
KD4POJ	JA1MRM	AL7TC	K5UZ	BH4IGO	VA7CRZ
NA2U	JH1AGU	DL2VWR	K7EG	DL1DWT	W1ENE
PA0TCA	K1ESE	EI2GLB	K8KWT	IT9AAI	W1WEF
UA0BA	K1YT	FG5FR	N0KV	IT9DAA	W7GG
VE1DUN	K2MP	HB9BLQ	N8PW	JA0AOO	W7OEV
W1OPD	K7ZA	IZ0LKV	N9UA	JA1HQT	W8LRO
W2JU	KR0P	IZ5NFD	NT2A	JA4FM	WP3R
W2RIJ	LA7WCA	JR6LLN	NY7T	JA7GYP	WQ5L
W3FM	LA8PT	K2BA	OH5NG	JA7IC	
W6CYX	N9AW	K2HK	OK1DT	JM3GXU	115
W8LMG	NA9RB	K3QIA	R6FFB	JR2UBS	AA5JF
	NN7X	K5JC	SV1ACK	K1BZ	C6AGU
123	OZ3Y	K6FW	SV1IW	K2BB	CU2CE
AB1OC	RD4A	KA8ZPE	W0RX	K6PJ	DL9GOA
AC4TO	UU4JMG	N3NR	W4HZ	K7PI	G4XEE
DL7JRD	VE6AX	N4BAF	W8FIB	K8OOK	G8BCG
DL9FCY	W2TB	N4LR	XE1RCS	K8QM	G8DX
F4GTB	WA3I	N4TB		N2BJ	HA5UK
G4WFQ	WA7BNG	N4TL	118	N3ND	IZ7JVR
G5LP		N4UFP	5T5PA	N4IR	JA2KNW
HB0WR	121	OE3EVA	AA4DD	N6MB	JA5FDJ
IK2CHZ	AA6RR	OZ2A	AB2E	N8AA	JH1RFM
IK3XJP	CT3KN	PZ5RA	DL5OCE	N8XI	K0GD
JA0CRG	DF1DB	RL3BZ	JA4FHE	NY4G	K0SD
JA1SJV	DK1EI	SP6JIU	Ji8DGO	SM7BIC	K4CMS
JA3MHA	DK6CQ	SP7ITB	K3WGR	SP8HKT	K4GHS
JA6WJL	HB9DHG	UR5IKN	K4CNW	UA6J	K4GK
JR1EBE	IK2SGB	US0YA	K8LN	UB3A	K5XM
K2PK	JA2HYD	W2YR	K8WVA	UR9IDX	K8YTO
K3XO	KD8RQE	W3OA	K9DR	US1CT	KO8SCA
K4ZIN	KG9Z	W4PRO	K9SG	W4ZRZ	KV1J
K5GH	N0OK	W6RFL	KD2T	W6SL	LY4T
K7UT	N1JP	W7RN	KD6UO	W8ZR	N0IRM
K9CS	N6HC	ZL4AS	KG8CW	WA2USA	N4OA
KV4T	SV1AHX		KV4AA		N8KOL
N2ED	UQ1GWW	119	LZ2HM	116	PA3AXU
N4DWK	UT4EO	AA3AZ	N2MM	AJ4F	RZ6MJ
N6MZ	UU2JQ	AE3T	N4DJ	DL7URH	UA1ANA
N9JV	VA3AYA	AJ4A	PY2PA	EA5BRE	UA1CGS
N9LQ	W0QQ	DK3GG	RN3TT	HA7PF	UA6XT
NA2P	W2GG	EW4M	SV9COL	IK0EIE	UN6T
S50B	W3RJW	G4DJJ	TA2RC	IK2OHG	VE3YF
UA3DK	W6XI	HB9AAQ	VK4CAG	IT9TQH	W4UCK
UT3QU	W9XX	HB9BCI	W1KSZ	IV3HYD	YL2CZ
W1AO	W9YE	I2TZK	W4DAO	JA1WTI	
W8NJR	WA1PMA	I4MKN	W4NF	K1DC	114
WB8K	WY1G	IU0LFQ	W4NJ	K1RI	BA4DW
WV4TN	XE1VIC	JA3AZD	W5JMW	K3FRK	BA7IO
XE1H		JA4XGC	WT4Q	KT1V	CT3FN
		JE2JMV	YO4AUL	PA0JSE	CU3AK

DL6NB	NA3F	K8CC	K7ORK	K6VKO	RW9QA
F6CWA	NG0G	KB2FCV	K9AJ	KB4MRX	RX3AGD
G3SDL	NI5F	KI4DLS	KM1R	KC2STA	TG9NX
HK3PJ	NK5B	KM1C	KZ0X	LZ1PM	UB5ZAL
HP3TA	ON5UE	KM3T	LA0CX	N2CG	UT7KF
I5OYY	R7NA	LA8HGA	N4WJ	N3HBX	VU2CPL
IK7YZG	RA4UN	N5ZC	N7BD	N3IQ	W5WP
IW0HEX	RZ3AUL	N6MA	N9HF	N3JB	W9FI
JA4KDT	SM5ARL	N6PE	NA1DX	N4KE	W9HBH
JA5WIZ	SP3EPG	NA9Q	UR6QA	N5BO	WB5TUF
JH6WMJ	SV1FKZ	RU4SU	UT1UY	NC6K	WN0L
K1RV	SV1JFV	SM3DMP	VE6KC	NY4I	YV3AGT
K2DC	SV2AVP	UA1ACG	VE7CT	OZ1LCG	
K3MD	UN7TW	UA1CEI	VE7UF	RD9M	108
K3NF	VE3KI	UT6UD	W0VHF	SM5BHW	AI2Q
K3OSX	W2GW	VE7XF	W3FOX	SV1VS	AL7R
K5RJ	W6BK	W1HEO	W4HOG	UA3O	DL6CNG
KB8U	W8FAX	W2CVW	W4OX	US7MM	ER1LW
KZ4V	W9DX	W2SKI	W5AQ	W0UY	G3VAO
N1QY	W9VNE	W3MR	W7VS	W3XY	HB9BAT
N2JJ	WA4DOU	W3UL	W8KA	W4DC	HB9FAN
N3MN	WB2HJV	W4VHF	W8MIL	W4NE	IK0PRG
N4IQ	WB2UFF	W5VX	W9RB	W5VY	IZ0BTV
NU8Z	WS4C	W6TC	WA2BOT	W5ZPA	JA2MOG
UA3FT	WX3P	W8GEX	WA2MUA	WB4TDH	JA3NHL
W0VX	XE1RBV	W8HMK	WB9EEE	WL7E	JJ2PIK
W4TUN	ZL1BYZ	W9SE	WC2K	XE1FAS	JK1MZT
WA1FCN		WA8MCD	YL3DQ	YU7AU	K1EP
WA9YYY	112	WA8OLN	YO6HOY	ZL3NW	K1XM
WN9O	A92IO	WT9U			K2CJ
XE3ARV	DJ1RL	ZP6CW	110	109	K2KQ
	DK5RL		BA4MY	DF1KG	K2MK
113	DL5CL	111	CU3AN	EA3GHZ	K4WY
9A1A	EA1JO	AA4U	DG7RO	EU4T	K6UT
DJ5DT	EI8IU	AB4GE	DL1VDL	F8EZE	K8OM
DJ9RR	EW1DO	AF4OX	EA5BYP	G3SVD	KM8AM
DL8CM	G3XGC	DK2WH	F5BAR	J68HZ	KN4JX
DL8DYL	HB9CEX	DK6ED	G3LNS	JA2CXF	LU2DKT
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G4AFJ	HB9EFK	EV1R	HC1BI	K4RDU	N6RFM
JA0GCI	HB9G	F6ECI	I2BBJ	K5KA	N9TF
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JH3GCN	JA1SXR	HL3GOB	IZ0CKJ	KZ5DX	R5FY
K5CD	JA4BXL	JA1AUD	JA7EPO	N1BZ	R7LA
K8SL	JA7BXS	JA1FGB	JA9KRO	N8NN	RX6DX
K9FN	JG3LGD	JA1NCZ	JE2UFF	N9ISN	S57J
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KA4RRU	JR7TEQ	JE2EHP	K1EO	NN4RR	UX7UN
KH6DX	K0JPL	JE8TGI	K3JRR	NU4I	UZ6LWZ
KI0G	K0TPP	JF2WGN	K3PH	NX7U	W2UB
KT1J	K1KO	K2HAT	K4WW	PY5CC	W3NRJ
N7KO	K4UAS	K5WAF	K6MI	RW4UU	W4ZYT

W6KK	W3KB	S57AL	LZ1JZ	JK1BSM	WA0I
W7ACD	W6TDX	UR3CRO	N2DPF	JO1WXO	WA0RVK
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WA4CEM	W8VK	UU5WW	N4NW	K1BG	YC0LOW
WA8MOA	W9CPV	V73AZ	N4PL	K2BLA	YO5ODE
WB8BZK	WB6CJT	VQ9SS	N4SC	K3FM	
WC1M	WB8ART	W1CWU	N4VN	K4KEW	103
WD9EQU	WS1L	W2EQ	N6NU	K4MF	AG1I
WW1WW	XE2YWH	W2LE	ON7PQ	K4VIG	AI3Q
	YL1XZ	W2NO	OZ4AAL	K5HK	DJ1MM
107	ZL3RJ	W3ICM	PF7M	K6UM	DJ7PI
4Z5LA		W4IR	PJ2/K8ND	K7TJR	DL2HX
DJ8ES	106	W5JAY	PY2DS	K9EA	DL8YRM
DK3FB	AA4FL	W8OP	R6YY	KA2BZS	DM5TI
DL2CHN	AE2U	WA4MYO	RA6AF	KH6KG/W5	DS3HWS
DL5XU	DJ6OZ	WA6TLA	RD4WM	KI0KB	EA7SG
DO4DXA	DL1QQ	WC6DX	SP5JXK	KK9H	EU6MM
EA5AT	DL2NOM	YL2GN	UA6LCN	KW0A	EW3LB
EA7QW	DL3JSW	YU3EF	UR1RWX	LZ2XF	G3BDQ
FG8OJ	DL6JZ		UR2RGN	N2SQW	G4AAW
G4AKY	EA3CCN	105	VE1PZ	N3ER	G4PUQ
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HI8R	IW3GJF	DF8AA	VY2ZM	N4TTE	I0OSI
I5IHE	JA1VLK	DJ3XD	W1LY	N6PF	IK2ANI
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JA5EY	JE6IGP	DL4ZAB	W5KI	N9DR	JA2OLJ
JA8JTH	JG3HBO	DL6XK	W6FF	NJ9C	JA3FHL
JH9DRL	JG5RVQ	DO1CTL	WQ5W	NK7C	JA8EJO
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N4RF	K5AM	JA8RRF	CX3CE	UA9FGJ	K9XJ
N6EE	K5ZQ	JA9APM	DK3BK	US5CAO	KE1IU
N7TY	K8JJC	JF1RYU	DL4FAP	UT4EK	KJ4R
N8AGU	KP4AA	JO4CFV	DL7UPN	UT7EC	KJ7WY
NA5Q	KQ3F	JR1BAS	E73D	UX4UM	KM9E
OE1CP	N0JZ	K1DJ	EA8ZS	UY0MM	LX1DA
OK2BUZ	N2CW	K2XF	F6AJA	VE3VHB	N0RU
OK3CQR	N2WLG	K4MS	F8GB	W0YBS	N1HOQ
R0FA	N3XM	K4YJ	G3BRD	W1QA	N9BBQ
RN4AA	N8AID	K5AV	HB9CIP	W3DRY	N9SF
RV6ARZ	NA5Z	K7OX	HK3O	W3TMZ	ND3L
SP3BQD	NI5M	K7PO	IK0DWN	W5CWQ	OH3GD
SP6AXW	NS3L	K9RO	JA1SDV	W5GJ	OK1DQT
US5CB	OE5CSP	KI5T	JA2FGL	W5ZO	OK2BQU
VE3OI	OK1AYU	KT2E	JF1EGO	W6PH	OK3BRK
VK3NX	OK2BVG	KX2A	JF6WTY	W7DR	OZ7JZ

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RA0FA	K5ZO	AA3LX	N5AQ	YO2OXD	K7VIC
RA4HT	K6DJ	AA4NU	N6WM	YO6BHN	K8BZ
RK3QY	K7BHM	AC5O	N8AG	YV4DYJ	K8CR
RU3OW	K7UA	CT1JGA	N9JCS		K8CS
SM3CBR	K8BHZ	D44BC	N9PGG	100	K8LE
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SM7BHH	KJ6NZ	DK9WI	NX2X	A41ZZ	KB0EL
UA3PFN	KN4KL	DL1KS	OA4TT	AA4AK	KC0V
US2WU	KW4BY	DL3ANK	OE3WQB	AB4VV	KC4D
UT2AB	KY6R	DL5JS	OH3TY	AC4VM	KC5LT
VA2ZO	LA3ANA	DM3ML	OK1PGF	AI2S	KD8BZY
VA3IC	N5RZ	EA1WX	OK2BOB	DJ6OI	KD9HL
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VE3VV	OH4UI	G4FJK	ON4LG	DL9GTB	KQ5M
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	S59DJK	JF1RPZ	SM7NDX	G0VXE	N2SG
102	SM6WET	JH3HGH	SP7JLH	G3OIL	N2XQM
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DL3DXX	UA1CKC	K1YR	UR7CQ	IK0HFO	N7DED
DL3NCR	UA6HOF	K2BX	UT1CC	IK4MSV	N7TK
DL4CW	UA9MR	K3SEW	UT4IS	IS0/YO3RA	N8IL
DL4KUG	UA9UCO	K5DNL	UT7HA	IW0BYL	N8NB
DL5RDI	UW7CN	K6AAW	VE2OJ	JA1BRK	N9ADG
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EI4DQ	W0JMP	K7AR	VK2GR	JA1ILA	NB3R
ES5RW	W1MRH	K7IA	W1AW	JA1JAT	NG7A
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JA6OXT	WA0IDK	KE4S	W7CB	K1NZ	ON7EH
JA8OW	WA1S	KF7NN	W8GB	K1TZQ	ON7GB
K0YN	WD8DSB	KN6J	W9MAF	K2CBI	ON9CC
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K2TK	YO2IS	LA2GV	WB3HLH	K4FT	PA7RA
K3KG		LZ1XZ	WC4H	K4KSY	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
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W0MU
W1AN
W1YRC
W2CCC
W3BBO
W4HHN
W4OV
W5BK
W7DT
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W8GDQ
WB4SON
WU2M
YB1TJ
YL2SM
YO9FLD
ZP9MCE
ZS2DL