

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 Sep 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 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	NN4T UA6A	299 K4TEA N1BUG SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	316 K5RK OH3SR W2VO	310 I4AVG RA3CQ SM5BFJ SM6CVX W5IZ	304 DJ0MDR GM0GAV SM3GSK	
340 K1ZM	324 EY8MM K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA N1DG PE5T S50U W1JR		303 F5LGE G0JHC GM3YTS JA1BK JA4LKB K1UO RU3DX	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ SM5CEU
339 W4DR W4ZV		314 IK4GME NX4D OG2M OK3GU OZ1LO RW2A UA4CR	309 I4EWH		297 DK5PR N4CC OM2XW RA3DX W0FLS
335 OH2BU	323 SP5EWY		308 IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF SV8JE	
334 N4WW	322 UX0UN W3UR		307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK	296 DF3GY F5NTV G4PWA ON5NT RY9C SV8CS W1JZ
332 UR0MC	321 WB9Z	313 GM3POI OE3GCU OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q YU1FW		
331 K5UR LZ2DF UT7QF	320 K8MFO SM4HCM W8UVZ	312 OH1MA S54E		300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU PA3FQA SM3EVR VA3EF	295 K3UA
330 AA1K HA0DU OH1XX R4GM	319 N0XA SM4CAN UT5UGR	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 CT1EEB JA7NI K4ZW N4IS		294 DL1AMQ JH2FXK LA5HE N0TB
329 K3UL UA4HBW	318 4X4DK W9ZR				

RJ3AA WD5COV	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	JA2PJC K1CP S59Z W4TO	K4IQJ SP6AEG UW2ZM	W1MK	260 EA5BM K1LT K4DY UT9FJ
293 JH4UYB S58T		280 EA6NB RV3LO SP6HEQ YO3APJ	274 CT1EKY G3TXF JA8ISU K1ZZ KF2O W6UB	267 LU8DPM RZ3DX	
292 G4BWP IZ0AEG JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	266 G4OBK K1QX NR1R R3LA W8TE W8XD	259 DF4PL F6GCP G3ZSS I1FQH R9FM
291 9A7V I5NPH KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	285 G4CCZ UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	265 AA4V* AA6YQ AA7A EI7BA K4XP RW0LT SP5DIR W1GL YO5BRZ	258 KW9A N2NL RN3CT VE3QAA
290 UA3AKO UT1UY	284 K5XI SP3DV UX1AA	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV	264 IK2YCW K7ZV	257 K1GUN K9NW N4II N8TR W9YSX
289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW OH3BU OK1AWZ VE2Tzt	270 AA1V LA3MHA OE5KE SV8BHN	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP	256 9A5CY JA5BZL JH1GZE K5VRX K8FL SV8GFW W1TSP W3DF
288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	282 DL1YD I0WDX K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	275 9A1CCY F5NBU I2AOX IK4CIE K2UO	269 K6ND KD5M SP9JZU W1ZC	262 G0DQS IK5HHA KR9U N5KD W1YY	255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI
	281 DF2PY HB9BIN		268 DL5DSM G3WPH K8PT RA3XDX	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S	254 I1EIS N0AT OM3DX WA4FFW

253 5B4AGN AA1QD IV3YYK K5ESW S58Q UA1OMS W0YG	R7IA WB3AVN YO9HP	N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	236 AB4I K1JO K5EK K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	JR6EZE K9FD* N6JV ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT
252 EA1DR JA2VPO JF2MBF JG3QZN JQ3DUE JR3IIR ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD JF8QNF N6TR TF4M UR5EDX W2TQC W5XZ	240 EA6ET G8VR JA5MHD JR3GWZ K0JUH K0KT K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JA0FSB JH4ADV K3SWZ N6DX R7DX VE3XN WA7NB WA7NS	230 DF6PB JA1CMD 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 K2FF N9US RL9F RY7G W9XY	239 AJ6T K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK UW5ZM	234 IZ8FFA K1AR K4UTE KF0QR PY1BVY S51DI	229 CT1FJK DJ4AX JA8FKO J11BEX OE5NNN RO7T	224 MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ
250 HB9RG NQ1K OZ8BZ	244 AG9S DK6WL F6BLP IK0XBX JA1HGY ON4IQ	238 DL8WN IK0XEZ IZ1LBG JA0DAI OK1CF RA0FF VO1HP W3LL	233 DJ5FI K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO	228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO UR5FEO ZS4TX
249 AB3CV AI9L K9RX SP5DRH	243 DK2JX DK3DG IK0MHR ON4ATW S57A SV8CKM W9RPM WX4G	237 AC4G DL7MAE IW1ARB NI0G OM4EX	232 EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP	227 DL7HU ES1RA I3BUI IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR N8PR N9BX
248 K3WW K5RX SM3VAC T77C W9NGA	242 EA4KD KG7H			226 DL5WW JA6BZI JF2KOZ	
247 K0IEA K6XT NN4X NO2R	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY*				

SM0CCM	UA3AGW	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ	UA0SR US6EX W2HUV WD8PKF WF4U WI8A	200 G0OIL JA1GTF JH2RMU K1GE K1GG LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W3GG
221 JA2WYN JJ3PRT K4MWB K8SIX N6VR W1ZK W6JRY WS6X	216 F6DAY JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	211 EA1RT IK4DRR JA4DEN K3WA RU3SD WA5VGI	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW PY2XB W0LS	203 AA5AM JA2XYO JE1PNX K4XO K9MMS KK2I NK1K OH1TV PA0A R6AF W7DO W8GC	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
220 AG8B DK2NG HB9LCW HL5IVL JF3KON JR4OZR KA1R N1LN VE3EXY	215 IZ8FWN JH0INP K3JGJ N7JW RA1QD W0UO W2LK W6YI	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW WP4U	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC N8DJX SM6BZV US0KW VE3BW	202 DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV K9YY LY1G N5ZM N7KA OK1DOT R9TO RA3S UA9FAR WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE I5KKW IT9JNR JA4PXC RX3APM W8HB
219 IK3VUU JA2FBY JA2FJP KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA KG9N N9LB VE1DX VE3LYC W0ZR W7KNT W9OO	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA W8UN WB8ZRL		197 G3SNN IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS XE2X
218 AD5A DJ4PI DK0PM IK1YDB JA6LCJ JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A N4NX N4QS N7FU SM2OAN	201 AG4W CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK W2IRT W5TCX	196 4Z4DX AA4HP

IK4PLW	WA2VYA	CT1FMX	K5KLA	179	SM5FUG
JA3RAR		JA1KQX	KB4ET	IT9ELD	W4BP
K8PO	192	KB0EO	S57AC	IW0SAF	W4GD
KP2A	9A2NA	KB1EFS	US8UA	JA9NLE	YO7NE
ND0N	JA7JWF	KE9ET	UT2UB	JR7BDQ	
RA9CMO	JH1RFR	KL0S	W2YJ	K0TT	175
RZ4FO	K3FN	N8LJ		K8WK	JA1CHN
W2FCR	K4FJ	RM0F	183	N2PK	JH2QMT
W4UM	K5XX	SM0NJO	IT9INO	OK1MG	JS3CTQ
	K7GM	W1YM	K4CN	S57UN	K4DLI
195	K9EU	W6SR	K8RRT	SM4DDE	K5GKC
EA3JL	KF7PG	W8JV	K8VC	SV3FUP	LA5LJA
EA5RM	N4DB	WA6YEE	N9MB	W8KEN	N7IR
G3ZEM	OH2IS		NN2L		N7XR
JA0EOK	W3UA	187	ON6SAS	178	PE1L
JA1EOD	W3YQ	AJ1H	W2FP	4Z5CX	SP1MGM
JH1QAX	W8LGJ	JA8DNV	W8NW	EA3CJ	TF3SG
JN7FAH		K0SR		JA4MRL	VE3FF
K3PA	191	K6SRZ	182	K2UR	W8HC
K7SO	CT3MD	KN5O	DJ9ON	NE0U	WX0V
K9RT	JA1ANR	LA0FA	DK3UA	SM7DLK	
KF8UN	K0JGH	N2NS	HK3W	SV1JG	174
N1SV	K8FC	OK1CZ	JA1SHE	W6NWS	4Z5MU
W5ZG	K9LA	W7AWA	JA3ENN	W7MEM	JA0GJJ
W9OP	NE1B		N3OC	ZS1LS	JA1PPW
	RK2FWA	186	UR3EO		JA2XW
194	WE9R	9A8A		177	JA7MOL
JA1XEC		IK2QPR	181	9H1SP	JF7DZA
K4KDX	190	K0BJ	DK3WW	AE5E	JK1OPL
K9JF	IZ8XQC	K7LAY	JA2BDR	CT1GFK	JR6PGB
KB9LIE	JA1DUH	YL2TW	JA9TWN	IK4ADE	K1KI
LA7AFA	JA1MCU		JN4MMO	JL1SAM	K2KA
SM7GIB	K0BBC	185	K2EP	K3WC	K3AJ
W2LO	K2TE	AB6QM	LZ2ZG	K4RG	K4TR
W4FC	K9KU	CT1EAV	VE3OSZ	K9NU	K4WS
WD8JJA	KM1D	EA6BF	W9AJ	SM6DHU	N1EN
WN6W	N4XU	G3KWK		W2OR	OE1WHC
	N5GH	IK3SWB	180	W5LT	RN7F
193	SP2LNW	JA2LCP	CT1FPQ	W7FI	UA3LNM
CT1IUA	VE7VV	K5ZD	DM2DXA	WB7B	W8UV
DF2GH		LA3WAA	DM3VL		W8VVG
DK1FW	189	N4TJ	EA8JF	176	WT8C
DL5ZB	9A2F	N5UR	JE2URF	EU1AB	
DL6ZXG	AA1ON	OE2BZL	K6SSS	G0BLB	173
EA3WD	EA8PP	SP3FAR	K7BG	I6FLD	5B4ALJ
HA5BSW	FM5CD	SV1DPI	LA9AJA	JA0DET	I1JQJ
K4ODL	JA0VSH	UA9CBO	N1RR	JA5IU	JG0CQK
N5LZ	SP7HOV		N4AH	JA6BJV	K1NTR
N9EN	UA7T	184	ON5FP	JA8KSF	K4XR
PA0LOU	WA3C	HA5WA	W1RM	K8MN	K9YC
RN1ON		JA2ZL	W7BEM	N5OK	KA1J
UA0CA	188	JF1NZW	W8TN	OK1DWC	N5FG
W9MU	AB4IQ	K4HGX		RL3FA	PY5EW

W3IP	K1LI	IV3TDM	K8TL	UX5UO	SV8ZS
172	N4XX	JA1FNA	OK2QA	W1BR	W2TA
EA7TV	N7US	JA9LJS	UR4CWQ	W5XC	W5GZ
G3NKC	UT8MM	K1KA	VE3CFK	W9RN	WS7L
IZ5MOQ	UY5AA	K3KY	W7AL	WX0B	YV2IF
JA3FGJ	W6RW	K4JLD	162	159	156
JG3IWL	W7YAQ	K4PB	4O3A	JA4FKX	AB9V
K0DEQ	WB3JFS	K4WA	9A4W	JH6QFJ	DL4MM
K1BD	168	K4ZYU	F3AT	JL1RUC	IZ8IEV
K6FG	G3MXJ	RM3DA	HB9TKS	K4RO	JE3GRQ
KJ0M	IK2EGL	W0DJC	IZ4DPV	OK2ZV	JO7HAM
VE6WQ	JE7JDL	W1RR	JA6GIJ	UN7JX	K0QC
W3JX	JF2UPM	W8ILC	JR5JAQ	W3HKK	K8YSE
W4FQT	K4XD	WA8TXT	LB6KC	W6BJH	KS1J
WA9PIE	K5QY	165	N8MR	W7SX	N3RC
WC4X	K8RYU	DL7UCX	RW3RN	WD5BJT	N3UA
171	KR4F	F6HDH	W0HT	158	N7WS
AA9D	N4QQ	I2ZGC	W0TT	AA6AA	OE5RLM
DL6KR	N8BJQ	IK0AGU	W1LW	DJ4PT	UA3SAQ
G0EHO	PA7F	JE7RJS	W8WEJ	DL1FKA	VA3LX
HA9PP	SP5GH	JH7CFX	161	G4GIR	W1YIF
JA6HUG	SV2AEL	K5JZ	DK2GZ	IT9DSZ	W4TV
JR1TNE	W4SVO	KK4CB	DL6RAI	JA9APS	155
K1NU	W6VX	N4HB	HB9DHK	JH1TWT	CT1FCX
KI5BLU	W8OI	N9FN	JA1DOF	J11FXS	DL1RK
N0RN	WA0MHJ	NY0V	JH4ALY	J11NJC	DL4SZB
N4OGW	WA5YNB	RC9F	K1USA	JR1GJP	HB0CC
N7RO	167	SM4CTT	K5GO	K5TT	K2LS
N9RC	DK5AD	SP6EQZ	K8ND	K9GA	NE0DX
RA3DNC	EC3A	W5BN	LB2TB	OZ1HX	NW7E
SV1LK	EI6FR	164	N4GN	RU6M	SM6VR
UN9L	JA6VQA	GU4YOX	OH6RA	SM4EMO	W2XI
170	K6KO	HA7UW	VK3HJ	W0SZ	WE1P
DJ6TK	K8NK	HB9BZA	YU2TW	W1OX	WS5W
JA6JPS	K9MBQ	JA1RTX	160	W2XL	ZS6EZ
JE3ENP	N0IJ	JA7ZP	AD5Q	W3GQ	154
JF1WPB	N3BNA	JH2SON	DK1WB	W4QN	3V8SF
JM1GYQ	OH2BLD	K1NJ	DL1DA	157	GM3PPE
K6ZZ	PA3C	N5WA	IK0FUX	AA4H	HB9BUN
N4PY	RA1AOB	RA3ZH	IW2FND	AC6DD	JA8NFV
SP3GTS	RN9N	RN3OG	JA2EPW	DL6MRS	JR3OEH
SV3KH	S51EC	W4DKS	JE2DZC	EA5BY	K0KVR
W9EVI	W1YW	W4NS*	JE2OVG	G3TQZ	KR2Q
WA3AFS	WA4LOX	WW3S	JF2XGF	JA1GHH	NX8Y
169	WB0TEV	163	JR7MAZ	JH7IAJ	W1NA
IK0PEA	WC5N	9A2JK	K3MSB	LY5A	W5DNT
JA1ADT	166	DJ9HX	K3RA	N5MOA	YS1RR
JE2LPC	4Z1UF	JE2LUN	NR4M	NE9Z	153
JR1IZM	DJ4SO	JH4CPC	RU6L	RU4UR	AJ9C
	HB9FMN	K7NN	UA0FZ	SM3PHM	

DF2RG	RD3A	F5LVL	KR0P	WB8ZRV	K5WK
DL3ZA	RU3A	F5PAC	N1CGP	WD9DZV	K6KLY
G3TJW	S54A	G4FTC	N4GG		KF8DX
HL2CFY	SP7AWG	JH1QDB	NA5C	142	N4XP
IZ3ENH	SV9AHZ	K5VWW	RT0F	I5HOR	OH6NIO
JF1IRW	W7CT	LA6OP	SM3DTR	JA2ATE	ON7DR
JR9OPJ	W7RH	N2WB		JH0BQX	UN1L
K7SP	WA1Z	N5XZ	144	JR7WFC	VE6SV
K8VFF	WA2BCK	NE3F	CU3EQ	K3PP	W0SEI
LZ1PM	WP4G	W5FKX	DL5CW	K4WZ	W4NU
N4TV		W9JJB	DL5KUA	K6EME	W7IV
N5TW	150		E70T	KK1W	W8LWU
N8II	EA1AF	147	EI6IZ	LA9VFA	WO2T
R9OK	IV3RAV	EA3GP	GM3ITN	MM0SAJ	YL2MU
SM6CLU	JA1SVP	IV3VBM	HB9BYQ	N2ZN	YO9FNP
SP5CCC	JA2NQG	JA1XQC	I5MXX	N7QT	
UT5UY	K0RS	K7HP	IT9GSF	NA4D	139
WB8BPU	K5TR	K8UT	IV3DXW	NQ7R	DF7EE
	K7LV	KM1H	IZ4GWE	NY2NY	DJ4XA
152	K8AJS	N1IBM	JA3GN	OK1DO	DL5EBE
EW2A	KU4XO	PC3T	JE1FQV	W2OO	DL8OH
JT1CO	N3QE	W1OP	K0VSH	W5LUA	DS1JFY
K9MK	N9CO	W2KKZ	KJ9C	W5VQ	JA1TMG
KQ4AV	OE8SPW		LA9GX	WA5POK	K3ANS
KS3F	SQ5EBM	146	N1IX		K6AM
N9OY	SV1CNS	EU4A	N3KK	141	K8GI
S55ZZ	UA6YW	JA1HQG	OH1JP	AC9S	K8RF
UA6IGI	W2/CT1GIF	JA4DHN	SM4OLL	DL5MHQ	KA8SYV
UN7LZ	W6DAO	JA5XAE	SM5CLE	EW1BA	KU0A
UT5AB	WW2DX	JH1GNU	W4GE	HB9FMT	LA8WG
VE6LB		K1CA	W5ADD	JA1PTJ	OK1MP*
W1SKU	149	K5KV	W7ZI	JA9RRH	SM5CBM
W1VT	DL7CX	K5SM	W8RLS	JH1HHC	SV8ZC
W6RLL	HB9HFN	K6NR	WC5M	J11DCW	W0SD
W7AJ	I0JBL	K7WP	WD5T	JL1UXH	WA8WV
WB3CQM	IK4FNF	N7BT	YO3CD	JR2LJO	
	JL1ARF	RU0SN		K2RW	138
151	K3TN	W1IZL	143	N8OC	DK8MCT
AA7G	K4YYL	W1ZT	DL1DUO	NJ3K	DK8YY
CU2AP	K8ME		DL6EN	OE6VIE	EI9FBB
DK2OY	K8ROX	145	HS0ZEE	SV3FUO	F6DDR
EI9JF	R8TX	AF4HX	IT9BLB	W2CG	HB9RYZ
F3SG	SM6CUK	HI3T	K7CMZ	W3BW	IK8EPC
HB9SLO	UW7UA	IZ0RVI	K7CW	W4JVN	JA3OOK
JA2VQF	W0GG	JE6TSP	N2RJ	W4VIC	JF3LOP
JA6BEE	W7HPW	JJ3HGJ	N2WM	W4WT	JH7RXU
JH1NYM	WB8B	JK1AJX	N5UW	W8GNM	K1RO
JR1XIS	WD5K	JN1BMX	N6PAT	W8HW	K2RET
K2AX	YO3DDZ	K1OA	N6PSE	ZS1C	KJ6P
K2FW		K3VAT	NN4R		LB5WB
KD0PO	148	K4OY	W0IZ	140	ON6AA
N5JB	DK2CC	K8BL	W6QUV	9A1CAL	OZ8X
OK1ATP	F5CQ	KF6HI	WB8CQV	JA4OK	RW4CY

UN7JID	K4ZRJ	RV4LC	N6RK	W8MET	SP7ASZ
V51B	K7FL	UQ2PZ	ON4ON		W0CP
W1GD	K7XB	VE3WT	PY5EG	128	W0RT
W2YE	NZ9R	W0NFL	R0SR	AA4SC	W1OPD
W4YV	R7LP	W2QO	R9MJ	DM2RM	W3BG
W7OM	RN3RQ	W5AJ	R9SA	IT9ZZO	W3FOX
	SM3LGO		W8DCH	JA2AHH	W3MF
137	SM5CZK	132	ZS1A	JA2KSP	XE1KK
EA1YO	SP3XR	AA4NC		JA9AA	
GM3YOR	SV5DKL	AB9M	130	JE1LFX	126
HB9CQK	W1DIG	AD6W	DF9ZW	JH4GJR	AC9EM
IZ2FOS	W1EQ	IK3VBB	E73M	K0FF	DJ8WD
JA3APU	W2GD	IT9RDG	EI2JD	K3XA	DL9FCY
JH4JNG	W4BUW	JA6CBG	G7VJR	K4JAF	F8BPN
K2QMF	W4MBD	K6YUI	HK0HEU	K4SE	G4IUF
K8NS	W4RFZ	K9ZM	IK3XJP	K6LPO	IZ7EVZ
RA3CO	W6JTI	N6HY	JA2FBC	KG7CW	JA1XCZ
RG7G	WE4S	OZ2RH	JG1DUZ	KM4NS	JA7KY
UU1JA		SM4BZH	J14POR	N5KM	JH3CUL
W1ITU	134	SM6BGG	K2MYR	OH1ZK	JJ1DWT
W5ODD	CT3HF	SP6M	K3NK	OZ1IKY	JN1RQV
WB5JID	IK4DCS	VE3CRG	K6SIK	R9SG	K2ZD
	JA7LGE	W4AXL	K7LFY	S53X	K4JKB
136	K1TO	W4RBO	K8BCK	S55DX	K4XU
E72U	K1ZN	W4WM	K9GL	SM3GQP	N8NA
ER0FEO	K3OX	W5SL	KO8SCA	SV3DCX	OE3SGU
HB9IQB	KX4TT	W6DR	NA4EA	US8UW	OK3CQD
IK8CNT	N9MR*	W7AH	NO9E	VQ9LA	PA5TT
JH4HMG	N9RS	W7CD	OZ2ABI	W2WC	VE3CX
K0TV	OE1TKW	W9FR	R3VA	W4IS	VE7BV
K4ZO	PY5HOT	WB3D	R5QA	W6RKC	W8LMG
K7TM	RG6G	XE2S	R9AB	ZS6UT	W8MK
KR6C	RX4HW		RU1AO		W8REW
NA5DX	SM0BYD	131	S51NM	127	W9ILY
OK1DW	SP6JIU	DK7YY	TA1CM	CT3KN	WB0O
SM5OJH	UA0ACG	G3UHU	VE3DO	HK1MW	WB2REM
SP2BMX	W4JKC	HS1NGR	W2MPK	IK2SGB	WD4LBR
UT3UZ	YU1AM	IV3KFB	W9ZT	JA1DDH	YU1EXY
UW8SM		JA0AOO		JA1WLO	
W2OIB	133	JA2TBS	129	JA8RJE	125
WB7QXU	9K2NO	JH4ADK	HA1RB	JA9KRO	9A1AD
	EU1U	JJ1TEA	HB9AZZ	JH3AIU	AG1A
135	IZ8DFO	JM1FHL	JA1NWD	JS2LHI	GW3TMP
5B4MF	JA7GLB	K1UU	JA8JO	K0RW	HK4SAN
DJ9ZB	JA9AGN	K5VIP	K4TT	K3TRM	IK5DNF
F6FXU	JR6FC	K9DR	K6XM	KM3T	JA4IYL
IK8GYS	JR7FRW	KC2LSD	LB7ZG	N1AC	JA6VU
IU0HDC	K2CDJ	KH2L	N0YY	N1GC	JE1TSD
JA2KVD	KS4YT	KM3V	N2BJ	N9RD	JE6UWU
JA7LMZ	KU2A	KM4H	N3KS	OE8HIK	JF2WXS
JA8BNP	OE1KM	N3MK	N3RR	PA3EWP	JH1AGU
JA8JL	ON4CAS	N4QWZ	W0YVA	SK7AX	K1HAP
K1ZE	RA5BM	N5PHT	W7QHE	SP6A	K5KG

K8DV	K7UT	KG9Z	US0YA	JN7DOS	UA6J
KA6BIM	K9CS	N0OK	W0RX	K3WGR	UB3A
KI4WCQ	KV4T	N1JP	W2YR	K4CNW	UR9IDX
LZ1XL	N2ED	N3ND	W3OA	K5XM	US1CT
N2KA	N4DWK	N4TL	W4PRO	K7PI	W4ZRZ
N3EN	N6MZ	N6HC	W6RFL	K8LN	W6SL
N4JT	N9JV	SV1AHX	W7RN	K8WVA	W8ZR
ND5S	N9LQ	SV1FKZ	ZL4AS	KD2T	WA2USA
NW6S	NA2P	UQ1GWW		KD6UO	
OE1AZS	NA9RB	UT4EO	119	KG8CW	116
RA0BA	S50B	UU2JQ	AA3AZ	KV4AA	AJ4F
UU7JM	UA3DK	VA3AYA	AA4DD	LZ2HM	DL7URH
VE3UTT	UR9QQ	W0QQ	AE3T	N2MM	EA5BRE
W5DAW	UT3QU	W2GG	AJ4A	N4DJ	HA7PF
W9CG*	W1AO	W3RJV	DK3GG	N6MB	IK0EIE
WV4TN	W4NF	W6XI	DL9OBY	PY2PA	IK2OHG
YO2RR	W8NJR	W9XX	EW4M	RN3TT	IT9TQH
	XE1H	W9YE	G4DJJ	SV9COL	IV3HYD
124		WA1PMA	HB9AAQ	TA2RC	JA1WTI
AA7XT	122	WT4Q	HB9BCI	W1KSZ	JE2EHP
AB1OC	BA4RF	WY1G	I2TZK	W4DAO	JH3GCN
J11DHY	G3NDC	XE1VIC	I4MKN	W4NJ	K1DC
KD4POJ	JA1MRM		IU0LFQ	W5JMW	K1RI
NA2U	K1BZ	120	JA3AZD	W9FI	K9FN
PA0TCA	K1ESE	9A5F	JA4XGC	WX3P	KT1V
UA0BA	K1YT	AA5JF	JE2JMV	YO4AUL	KV1J
VA7CRZ	K2MP	AL7TC	JH6CDI		NA9Q
VE1DUN	K7ZA	DL2VWR	K3FRK	117	OZ1LCG
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W3FM	N3NR	IZ0LKV	K8KWT	BH4IGO	TZ4AM
W6CYX	N9AW	IZ5NFD	K9SG	DL1DWT	UA4PCM
WB8K	NN7X	JA4EPE	N0KV	G3PLP	W1ENE
	OZ3Y	JR3UIC	N9UA	IT9DAA	W1WEF
123	RD4A	JR6LLN	NT2A	JA1HQT	W7GG
AC4TO	UU4JMG	K2BA	NY7T	JA4FM	W7OEV
DL7JRD	VE6AX	K2HK	OH5NG	JA5FDJ	W8LRO
F4GTB	VK4CAG	K3QIA	OK1DT	JA7GYP	WQ5L
G4WFQ	W2TB	K5JC	R6FFB	JA7IC	
G5LP	WA3I	K6FW	SV1ACK	JM3GXU	115
HB0WR	WA7BNG	KA8ZPE	VE3YF	JR2UBS	C6AGU
IK2CHZ		N4BAF	W4HZ	K2BB	CU2CE
JA0CRG	121	N4LR	W8FIB	K3NF	DL9GOA
JA1SJV	AA6RR	N4TB	WC2K	K6PJ	G4XEE
JA3MHA	AA8CH	N4UFP	WP3R	K8OOK	G8BCG
JA6WJL	DF1DB	N8PW	XE1RCS	K8QM	G8DX
J14WAO	DK1EI	OE3EVA		N4IR	HA5UK
JK1EXO	DK6CQ	OZ2A	118	N8AA	HK3PJ
JR1EBE	EI2GLB	PZ5RA	5T5PA	N8XI	IW0HEX
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K5GH	KD8RQE	UR5IKN	J18DGO	SP8HKT	JG3LGD

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K0GD	W0VX	WB2UFF	WT9U	BA4MY	G3SVD
K0SD	W3MR	WS4C	ZP6CW	DL1VDL	HI8R
K4CMS	W4TUN	XE1RBV		EA5BYP	JA2CXF
K4GHS	WA1FCN	ZL1BYZ	111	F5BAR	K2ONP
K4GK	WA4CEM		9K2OD	G3LNS	K4RDU
K8YTO	WA8MCD	112	AA4U	G8AJM	K5FZ
LY4T	WA9YYY	A92IO	AF4OX	HC1BI	K5KA
N0IRM	WN9O	DJ1RL	CU3AN	I2BBJ	K5KPE
N4OA	XE3ARV	DK5RL	DG7RO	IK5RUN	K6MW
N5BO		DL5CL	DK2WH	IK8UHA	KE1F
N8KOL	113	EA1JO	DK6ED	IZ0CKJ	KZ5DX
OH8LXT	9A1A	EI8IU	DL1HRN	J68HZ	N1BZ
PA3AXU	DJ5DT	EW1DO	EV1R	JA7EPO	N2WLG
RZ6MJ	DJ9RR	G3XGC	F6ECI	JE2UFF	N7TY
UA1ANA	DL8CM	HB9CEX	G4DBN	JH1VHU	N8NN
UA1CGS	DL8DYL	HB9CRV	HL3GOB	K2BLA	ND4V
UA6XT	G4AFJ	HB9G	JA1AUD	K3JRR	NN4RR
UN6T	HB9EFK	IK2ANI	JA1FGB	K3PH	NU4I
W4UCK	JA0GCI	IU8FRE	JA1NCZ	K4WW	NX7U
W5VY	JA4ITW	IZ4DIW	JE8TGI	K6MI	PY5CC
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	K0TPP	JA4BXL	K0FLY	KB4MRX	RW9QA
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AB4GE	K9GWH	JR7TEQ	K7ORK	N2CG	TG9NX
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BA7IO	KH6DX	K1EDG	KM1R	N3IQ	UT7KF
CT3FN	KI0G	K1EO	KP4AA	N3JB	VU2CPL
CU3AK	KT1J	K1KO	KZ0X	N4KE	W5WP
DL6NB	N6PE	K4UAS	LA0CX	NC6K	WB5TUF
F6CWA	N7KO	K8CC	N4WJ	NK7C	WN0L
G3SDL	N9ISN	KB2FCV	N7BD	NY4I	YV3AGT
HP3TA	NA3F	KI4DLS	N9HF	RD9M	
I5OYY	NG0G	KM1C	NA1DX	SM5BHW	108
IK7YZG	NI5F	LA8HGA	UR6QA	SP9WZS	AI2Q
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JA4KDT	ON5UE	N6MA	VE7CT	UA3O	DL6CNG
JA5WIZ	R7NA	RU4SU	VE7UF	US7MM	ER1LW
JH6WMJ	RA4UN	SM3DMP	W0VHF	W0UY	G3VAO
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K3OSX	SV2AVP	W1HEO	W7VS	W6KK	IZ2EWR
K5CD	UN7TW	W2CVW	W8KA	WL7E	JA2MOG
K5RJ	VE3KI	W2SKI	W8MIL	XE1FAS	JJ2PIK
KB8U	W2GW	W3UL	W9RB	YU7AU	JK1MZT
KZ4V	W6BK	W4VHF	WA2BOT	ZL3NW	K1EP
N1QY	W8FAX	W5VX	WA2MUA		K1XM
N2JJ	W9DX	W6TC	WB4TDH	109	K2CJ
N3MN	W9HBH	W8GEX	WB9EEE	DF1KG	K2KQ
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NU8Z	WA4DOU	W9SE	YO6HOY	EU4T	K4WY

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K6UT	K3SW	JE6IGP	DJ6KH	W1LY	N8MZ
K8OM	K3YBN	JG3HBO	DL4ZAB	W1MRH	N9DR
KM8AM	K4MS	JG5RVQ	DL6XK	W4OWY	N9PGG
KN4JX	K4SAF	JH2KKW	DO1CTL	W6FF	NJ9C
LU2DKT	K8LBT	JH6PFY	ES1GO	WQ5W	NN3Q
LZ3YY	K8ZR	JJ0NCC	G3YUV	YU1NR	OH4UI
N4MEC	KB9DAK	JR0EQQ	HA8FW	104	PA0GMM
N6RFM	KE2R	K0DEW	JA1BWA	9M2AX	RA1QX
N9SF	KZ1W	K1PX	JA1TAA	AD1C	RU3UR
N9TF	N2RR	K4DSE	JA4EVN	AG4Q	RZ6DX
NU4Y	N3DAP	K5AM	JA6VA	AH0U	RZ6LB
PA0ZH	N4RF	K5ZQ	JA7BME	CP8HD	SM5CCE
R5FY	N6EE	K8JJC	JA8RRF	CX3CE	SM7CQY
R7LA	N8AGU	KD9HL	JA9APM	DK3BK	SO5AS
RX6DX	NA5Q	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
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WA2ALY	US5CB	NI5M	K9RO	HK3O	W3DRY
WA8MOA	VE3OI	NS3L	KI5T	IK0DWN	W3TMZ
WB8BZK	VK3NX	OE5CSP	KT2E	JA1SDV	W5CWQ
WC1M	W3KB	OH2OT	KX2A	JA2FGL	W5GJ
WC6DX	W4MAY	OK1AYU	LZ1JZ	JF1EGO	W5ZO
WD9EQU	W6TDX	OK2BVG	N2DPF	JF6WTY	W6PH
WW1WW	W8IW	S57AL	N4JI	JK1BSM	W7DR
107	W8VK	UR3CRO	N4NW	JO1WXO	WA0I
4Z5LA	W9CPV	UT7UU	N4PL	K0WK	WA9ETW
DJ8ES	WA0RVK	UU5WW	N4SC	K1BG	YC0LOW
DK3FB	WB6CJT	V73AZ	N4VN	K3FM	YO5ODE
DL1QQ	WB8ART	VQ9SS	N6NU	K4KEW	103
DL2CHN	WS1L	W1CWU	N7DR	K4MF	AG1I
DL5XU	XE2YWH	W2EQ	ND3L	K4VIG	AI3Q
DO4DXA	YL1XZ	W2LE	ON7PQ	K5HK	DJ1MM
EA5AT	ZL3RJ	W2NO	OZ4AAL	K6UM	DJ3GZ
EA7QW	106	W3ICM	PF7M	K7TJR	DJ7PI
FG8OJ	AA4FL	W4IR	PJ2/K8ND	K9EA	DL2HX
G4AKY	AE2U	W5JAY	PY2DS	KA2BZS	DL8YRM
G4RGK	DJ6OZ	W5KI	R6YY	KH6KG/W5	DM5TI
I5IHE	DL2NOM	W8OP	RA6AF	KI0KB	DS3HWS
IT9XTP	DL3JSW	WA4MYO	RD4WM	KW0A	EA7SG
JA5EY	DL6JZ	WA6TLA	SP5JXK	LZ2XF	EU6MM
JA6OXT	EA3CCN	YL2GN	UA6LCN	N3ER	EW3LB
JA8JTH	HA8DZ	YU3EF	UR1RWX	N3TR	G3BDQ
JH9DRL	IK0ZIO	105	UR2RGN	N4GU	G4AAW
JR1BAS	IW3GJF	DF2PI	VE1PZ	N4TTE	G4PUQ
K0MD	JA1VLK	DF8AA	VR2MY	N6PF	G4VGO
			VY2ZM		

I0OSI	W5VU	RU3UN	JA6TMU	SM2DMU	ES5NC
JA1JAT	W6SZN	S59DJK	JA7SFD	SM7NDX	FM5GU
JA2GQO	YO7APA	SM6WET	JF1RPZ	SP7JLH	G0VXE
JA2OLJ		SP5MXZ	JH3HGH	SV1PL	G3OIL
JA3FHL	102	T77V	JH3PRR	UA0FDX	G4CGG
JA8EJO	A6/RV6LNA	UA1AIR	JH7BKN	UG6GAW	GM3ZSP
JE1SYN	CT4BD	UA1CKC	JI3KDH	UR7CQ	I2VGW
JH1DGQ	DK3QM	UA6HOF	K0LW	UT1CC	IK0HFO
JM2RUV	DL3DXX	UA9MR	K1YR	UT4IS	IK4MSV
K0EOO	DL3NCR	UA9UCO	K2BX	UT7HA	IS0/YO3RA
K2UVV	DL4CW	UW7CN	K2TER	VE2OJ	IT9CVO
K4LQ	DL4KUG	VE2FYR	K3SEW	VE3XB	IW0BYL
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KE1IU	F6BWO	W3EKT	K7IA	W4BUE	JA5DQH
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KM9E	I8LWL	W7IUU	K9PG	W7AV	JS6TWW
LX1DA	IT9SFT	WA0IDK	KC4PX	W7CB	K0LB
N0RU	IZ4MJP	WA1S	KD3UY	W8GB	K0XM
N1HOQ	JA0HXV	WD8DSB	KE1VT	W9MAF	K1NA
N9BBQ	JA8OW	WS4Y	KE4S	W9ZCL	K1NZ
NU1T	K0YN	WW5G	KF7NN	WA3EKL	K2CBI
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US2WU	LA3ANA	DL3ANK	OH3TY	AC4VM	KC0V
UT2AB	LA6UL	DL5JS	OK1PGF	AI2S	KC4D
VA2ZO	N5RZ	DM3ML	OK2BOB	DJ6OI	KC5LT
VA3IC	NZ3M	EA1WX	OK3EY	DL1TPY	KD8BZY
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VE3VV	OK1JDX	G4FJK	PA4WM	DU7ET	LA8W
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N2XQM	W0MU
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N4ZR	W2CCC
N7DED	W3BBO
N7TK	W4HHN
N8IL	W4OEP
N8NB	W4OV
N8OQ	W5BK
N9ADG	W7DT
NA6O	W7JET
NB3R	W8CNL
NG7A	W8FN
NJ3I	W8GDQ
NN4SS	WB4SON
OE5JDL	WU2M
OK1DXD	YB1TJ
OK2PAZ	YL2SM
ON4ANN	YO9FLD
ON7EH	ZP9MCE
ON7GB	ZS2DL
ON9CC	
OZ1ZD	
PA0INA	
PA7RA	
R3PJN	
R9JX	
RA3SD	
RA4LW	
RA6XB	
RC2A	
RN1A	
RT5A	
RU3GF	
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S59SV	
SM0CXU	
SV1VJ	
SV2DSJ	
TI5CDA	
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UA4PAY	
UA6CEY	
UN6P	
UR4CW	
UR4LRG	
UR8IDX	
VE1RGB	
VE3OAT	
VE7JKZ	
VP2VA	