

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 24 Nov 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	325 K9UWA UA2FF	OH3SR W2VO	W5IZ	JA1BK JA4LKB K1UO RU3DX
341 EA8AK	324 EY8MM K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA PE5T S50U W1JR	309 I4EWH	
340 K1ZM			308 IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF SV8JE
339 W4DR W4ZV		314 IK4GME NX4D OG2M OK3GU OZ1LO RW2A UA4CR		301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK
335 OH2BU R7LV	323 SP5EWY		307 DJ7MI N4RJ OH5VT VE3EJ	
334 N4WW	322 UX0UN W3UR			300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU PA3FQA SM3EVR VA3EF
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	305 CT1EEB JA7NI K4ZW N4IS NN4T UA6A	299 K4TEA N1BUG SV1FJA SV8CS UX1UA W7UT
330 AA1K HA0DU OH1XX R4GM	319 N0XA SM4CAN UT5UGR	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I RA7A RZ3AM SP2FAX	304 DJ0MDR GM3GAV SM3GSK	
329 K3UL UA4HBW	318 4X4DK W9ZR			298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ
328 UA4CC	317 W3LPL	310 I4AVG RA3CQ SM5BFJ SM6CVX	303 F5LGE G0JHC GM3YTS	
	316 K5RK N1DG			

RA3DX SM5CEU	290 UA3AKO UT1UY	R3OK SM6DHF	276 G3LZQ N8RR N9IW OK1AWZ VE2TZT	269 K6ND KD5M W1ZC
297 DK5PR N4CC OM2XW W0FLS	289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD HB9BIN I0WDX IK6DLK K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	275 9A1CCY F5NBU I2AOX IK4CIE K2UO K4IQJ SP6AEG UW2ZM	268 DL5DSM G3WPH K8PT RA3XDX W1MK
296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ	288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	281 DF2PY JA2PJC K1CP S59Z W4TO	274 CT1EKY G3TXF JA8ISU K1ZZ KF2O W6UB	267 LU8DPM RZ3DX
295 K3UA	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	280 EA6NB KG4W RV3LO SP6HEQ YO3APJ	273 IK8HJC K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	266 G4OBK K1QX NR1R R3LA W1GL W8TE W8XD
294 DL1AMQ JH2FXK LA5HE N0TB RJ3AA WD5COV	286 DJ2YA K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	265 AA4V* AA6YQ AA7A EA5BM EI7BA K4XP RW0LT SP5DIR YO5BRZ
293 JH4UYB S58T	285 G4CCZ K5XI UR5WA	278 DK0EE F6BEE JA3FYC K5DU RU3FM	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV SP9JZU	264 IK2YCW K7ZV
292 G4BWP IK1GPG IZ0AEG JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W5ZN W8TOP	284 SP3DV UX1AA	277 AA4MM DJ9VA DK5WL F6AOJ HB9AMO IK5BAF OH3BU ON7TK SP9DWT		263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP
291 9A7V I5NPH KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M		270 AA1V LA3MHA OE5KE SV8BHN	262 G0DQS IK5HHA KR9U N5KD W1YY

261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S	I1EIS N0AT OM3DX WA4FFW	NO2R R7IA WA7NS WB3AVN YO9HP	OK1DWJ SP5GRM UA3TT VE1YX VE3NH	OK2ZI OZ4O SP8AJK WA7NB
260 K1LT K4DY UT9FJ	253 5B4AGN IV3YYK JQ3DUE K5ESW S58Q UA1OMS W0YG	246 DJ2TI F2JD IK0MHR JF8QNF K2FF N6TR TF4M UR5EDX W2TQC W5XZ	240 EA6ET G8VR JA5MHD JR3GWZ K0JUH K0KT K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JA0FSB JH4ADV K3SWZ N6DX R7DX VE3XN
259 DF4PL F6GCP G3ZSS I1FQH K8FL R9FM	252 EA1DR JA2VPO JF2MBF JG3QZN JR3IIR ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV JA7QVI N9US RL9F RY7G W9XY	239 AJ6T K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK UW5ZM	234 IZ8FFA K1AR K4UTE KF0QR PY1BVY S51DI
258 KW9A N2NL RN3CT VE3QAA	251 DJ7RD DL9RT JH0BBE PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP JA1HGY ON4IQ		233 DJ5FI K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO
257 K1GUN K9NW N4II N8TR W9YSX	250 HB9RG IK0XBX NQ1K OZ8BZ	243 DK2JX DK3DG JA0CRI ON4ATW S57A SV8CKM W9RPM WX4G	238 DL8WN IK0XEZ IZ1LBG JA0DAI OK1CF RA0FF VO1HP W3LL	232 EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP
256 9A5CY JA5BZL JH1GZE K5VRX KY7M SV8GFW W1TSP W3DF	249 AB3CV AI9L K9RX SP5DRH	242 EA4KD KG7H	237 AC4G DL7MAE IW1ARB NI0G OM4EX	
255 IV3ODE K4QL N2MF R5AJ UX0FF VK4MA W3KX W5OZI	248 K3WW K5RX SM3VAC T77C W9NGA	241 JA1SYY JA3EMU K5ZK KA9CFD N4XM N5TY* N7RT OE2LCM	236 AB4I K1JO K5EK K9NR K9ZO KC7V	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX
254 AA1QD	247 K0IEA K6XT NN4X			230 DF6PB JA1CMD

KD0Q N8JV SM3NXS W4GF W4VQ	N4CH RA3QK RV1CC RW3XZ SP8NR VA5DX W7KW	JR4OZR KA1R N1LN VE3EXY	W2LK W6YI	JJ2LPV UW7LL W7JW
229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	224 MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ	219 IK3VUU JA2FBY JA2FJP 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 W0ZR W7KNT W9OO
228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO UR5FEO ZS4TX	218 AD5A DJ4PI DK0PM IK1YDB JA6LCJ JA8CDT K0EU K5EJ K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT LA7HJA N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
227 DL7HU ES1RA I3BUI IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW N6JV W9BF	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR N8PR N9BX SM0CCM	217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW PY2XB W0LS
226 DL5WW JA6BZI JF2KOZ JR6EZE K9FD* ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT	221 JA2WYN JJ3PRT K4MWB K8SIX KV7K N6VR VE3LYC W1ZK W6JRY WS6X	216 F6DAY JA9PPC K3JGJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	211 EA1RT IK4DRR JA4DEN K3WA RU3SD WA5VGI WP4U	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC N8DJX SM6BZV US0KW VE3BW
225 A45XR JH7PFD K1MM K5AB K9FD/KH6*	220 AG8B DK2NG HB9LCW HL5IVL JF3KON	215 IZ8FWN JH0INP N7JW RA1QD W0UO	210 I8SAT JA7MSQ	

205 F6EXV I4KDJ JA3AAW K9YY KA9FOX W8UN WB8ZRL	N7KA OK1DOT R9TO RA3S UA9FAR ZL3IX	JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS XE2X	DL6ZXG EA3WD HA5BSW K4ODL N5LZ N9EN PA0LOU RN1ON UA0CA W9MU WA2VYA	FM5CD SM0NJO SP7HOV UA7T WA3C
204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A N4NX N4QS N7FU SM2OAN UA0SR US6EX W2HUV WD8PKF WF4U WI8A	201 AG4W CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK W2IRT W5TCX	196 4Z4DX AA4HP IK4PLW JA3RAR K8PO KP2A ND0N RA9CMO RZ4FO W2FCR W4UM	192 9A2NA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG LA0FA N4DB OH2IS W3UA W3YQ W8LGJ	188 AB4IQ CT1FMX JA1KQX KB0EO KB1EFS KE9ET KL0S N8LJ RM0F W1YM W6SR W8JV WA6YEE
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 W1NT W3GG	195 EA3JL EA5RM G3ZEM JA0EOK JA1EOD JH1QAX JN7FAH K3PA K7SO K9RT KF8UN N1SV W5ZG W9OP	191 CT3MD JA1ANR K0BBC K0JGH K8FC K9LA NE1B RK2FWA WE9R	187 AJ1H JA8DNV K0SR K6SRZ KN5O N2NS OK1CZ SP3FAR W7AWA
202 DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA	194 JA1XEC K4KDX K9JF KB9LIE LA7AFA SM7GIB W2LO W4FC WD8JJA WN6W	190 IZ8XQC JA0VSH JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH SP2LNW VE7VV	186 9A8A IK2QPR JA2LCP K0BJ K7LAY YL2TW
	198 DL1ROJ G3UJE G4BUE I5KKW IT9JNR JA4PXC RX3APM W8HB	193 CT1IUA DF2GH DK1FW DL5ZB		185 AB6QM CT1EAV EA6BF G3KWK IK3SWB K5ZD LA3WAA N4TJ N5UR OE2BZL SV1DPI UA9CBO
	197 G3SNN JE1BMJ		189 9A2F AA1ON EA8PP	184 HA5WA JA2ZL

JF1NZW	179	175	K0DEQ	JE7JDL
K4HGX	IT9ELD	JA1CHN	K1BD	JF2UPM
K5KLA	IW0SAF	JH2QMT	K6FG	K4XD
KB4ET	JA9NLE	JS3CTQ	KJ0M	K5QY
N9RC	JR7BDQ	K4DLI	VE6WQ	K8RYU
S57AC	K0TT	K5GKC	W3JX	KR4F
US8UA	K8WK	LA5LJA	W4FQT	N4QQ
UT2UB	N2PK	N7IR	WA9PIE	N8BJQ
W2YJ	OK1MG	N7XR	WC4X	PA7F
183	S57UN	PE1L	171	SP5GH
IT9INO	SM4DDE	SP1MGM	AA9D	SV2AEL
K4CN	SV3FUP	TF3SG	DL6KR	W4SVO
K8RRT	W8KEN	VE3FF	G0EHO	W6VX
K8VC	178	W8HC	HA9PP	W8OI
N9MB	4Z5CX	WX0V	JA6HUG	WA0MHJ
NN2L	EA3CJ	174	JR1TNE	WA5YNB
ON6SAS	JA4MRL	4Z5MU	K1NU	167
W2FP	K2UR	JA0GJJ	KI5BLU	DK5AD
W8NW	NE0U	JA1PPW	N0RN	EC3A
182	SM7DLK	JA2XW	N4OGW	EI6FR
DJ9ON	SV1JG	JA7MOL	N7RO	K6KO
DK3UA	W6NWS	JF7DZA	RA3DNC	K8NK
HK3W	W7MEM	JK1OPL	SV1LK	K9MBQ
JA1SHE	ZS1LS	JR6PGB	170	N0IJ
JA3ENN	177	K1KI	DJ6TK	N3BNA
N3OC	9H1SP	K2KA	JA6JPS	OH2BLD
UR3EO	AE5E	K3AJ	JE3ENP	PA3C
181	CT1GFK	K4TR	JF1WPB	RA1AOB
DK3WW	JL1SAM	K4WS	JM1GYQ	RN9N
JA2BDR	K3WC	N1EN	K6ZZ	S51EC
JA9TWN	K4RG	OE1WHC	N4PY	W1YW
JN4MMO	K9NU	RN7F	SP3GTS	WA4LOX
K2EP	OK1DWC	UA3LNM	SV3KH	WB0TEV
LZ2ZG	SM6DHU	W8UV	W9EVI	WC5N
VE3OSZ	W2OR	W8VVG	WA3AFS	166
W9AJ	W5LT	WT8C	169	4Z1UF
180	W7FI	173	IK0PEA	DJ4SO
CT1FPQ	WB7B	5B4ALJ	JA1ADT	HB9FMN
DM2DXA	176	I1JQJ	JE2LPC	IV3TDM
DM3VL	EU1AB	JG0CQK	JR1IZM	JA1FNA
EA8JF	G0BLB	K1NTR	K1LI	JA9LJS
IK4ADE	I6FLD	K4XR	N4XX	K1KA
JE2URF	JA0DET	K9YC	N7US	K3KY
K6SSS	JA5IU	KA1J	UT8MM	K4JLD
K7BG	JA6BJV	N5FG	UY5AA	K4PB
LA9AJA	JA8KSF	PY5EW	W6RW	K4WA
N1RR	K8MN	UN9L	W7Yaq	K4ZYU
N4AH	N5OK	W3IP	WB3JFS	RM3DA
ON5FP	RL3FA	172	168	W0DJC
W1RM	SM5FUG	EA7TV	G3MXJ	W1RR
W7BEM	W4BP	G3NKC	I2ZGC	W8ILC
W8TN	W4GD	IZ5MOQ	IK2EGL	WA8TXT
	YO7NE	JA3FGJ	JA6VQA	165
		JG3IWL		DL7UCX

F6HDH	161	IT9DSZ	HB0CC	UT5AB
HB9TKS	DK2GZ	JH1TWT	K2LS	VE6LB
IK0AGU	DL6RAI	J11FXS	NE0DX	W1SKU
JE7RJS	HB9DHK	J11NJC	NW7E	W1VT
JH7CFX	JA1DOF	JR1GJP	SM6VR	W6RLL
K5JZ	JH4ALY	K1CA	W2XI	W7AJ
KK4CB	K1USA	K5TT	WE1P	WB3CQM
N4HB	K5GO	K9GA	WS5W	
N9FN	K8ND	OZ1HX	ZS6EZ	151
NY0V	LB2TB	RU6M		AA7G
RC9F	N4GN	SM4EMO	154	DK2OY
SM4CTT	OE5RLM	W0SZ	3V8SF	EI9JF
SP6EQZ	OH6RA	W1OX	GM3PPE	F3SG
W5BN	VK3HJ	W2XL	HB9BUN	HB9SLO
	YU2TW	W3GQ	JA8NFV	JA2VQF
164		W4QN	JR3OEH	JA6BEE
GU4YOX	160		K0KVR	JH1NYM
HA7UW	AD5Q	157	KR2Q	JR1XIS
HB9BZA	DK1WB	AA4H	NX8Y	K2AX
JA1RTX	DL1DA	AC6DD	SV1CNS	K2FW
JA7ZP	IK0FUX	DL4MM	W1NA	N2ZN
JH2SON	IW2FND	DL6MRS	W5DNT	N5JB
K1NJ	JA2EPW	EA5BY	YS1RR	OK1ATP
N5WA	JE2DZC	G3TQZ		RD3A
RA3ZH	JE2OVG	JA1GHH	153	RU3A
RN3OG	JF2XGF	JH7IAJ	AJ9C	S54A
W4DKS	JR7MAZ	LY5A	CU2AP	SP7AWG
W4NS*	K3MSB	N5MOA	DF2RG	SV9AHZ
WP4G	K3RA	NE9Z	DL3ZA	W7CT
WW3S	NR4M	RU4UR	G3TJW	W7RH
	RU6L	SM3PHM	HL2CFY	WA1Z
163	UA0FZ	SV8ZS	IZ3ENH	WA2BCK
9A2JK	UX5UO	W2TA	JF1IRW	
DJ9HX	W1BR	W5GZ	JR9OPJ	150
JE2LUN	W5XC	WS7L	K7SP	EA1AF
JH4CPC	W9RN	YV2IF	K8VFX	IV3RAV
K7NN	WX0B		KD0PO	JA1SVP
K8TL		156	LZ1PM	JA2NQG
OK2QA	159	AB9V	N4TV	K0RS
UR4CWQ	JA4FKX	FM5BH	N5TW	K5TR
VE3CFK	JA9APS	IZ8IEV	N8II	K7LV
W7AL	JH6QFJ	JE3GRQ	R9OK	K8AJS
	JL1RUC	JO7HAM	SM6CLU	KU4XO
162	K4RO	K0QC	SP5CCC	LA6OP
4O3A	OK2ZV	K8YSE	UT5UY	N3QE
9A4W	UN7JX	KS1J	WB8BPU	N9CO
F3AT	W3HKK	N3RC		OE8SPW
IZ4DPV	W6BJH	N3UA	152	ON6AA
JA6GIJ	W7SX	N7WS	EW2A	SQ5EBM
JR5JAQ	WD5BJT	UA3SAQ	JT1CO	UA6YW
LB6KC		VA3LX	K9MK	W2/CT1GIF
N8MR	158	W1YIF	KQ4AV	W6DAO
RW3RN	AA6AA	W4TV	KS3F	WW2DX
W0HT	CT1FCX		N9OY	
W0TT	DJ4PT	155	S55ZZ	149
W1LW	DL1FKA	DL1RK	UA6IGI	DL7CX
W8WEJ	G4GIR	DL4SZB	UN7LZ	HB9HFN

IOJBL	RU0SN	IT9BLB	W8HW	LB5WB
IK4FNF	W1IZL	K7CMZ	ZS1C	OZ8X
JL1ARF	W1ZT	K7CW		RW4CY
K3TN		N2RJ	140	UN7JID
K4YYL	145	N2WM	9A1CAL	V51B
K5VWW	AF4HX	N5UW	HB9RYZ	W1GD
K7HP	HI3T	N6PAT	JA4OK	W2YE
K8ME	IZ0RVI	NN4R	K5WK	W4YV
K8ROX	JE6TSP	W0IZ	K6KLY	W7OM
R8TX	JH4HMG	W6QUV	KF8DX	
SM6CUK	JJ3HGJ	WB8CQV	N4XP	137
UW7UA	JK1AJX	WB8ZRV	OH6NIO	EA1YO
W0GG	K1OA	WD9DZV	ON7DR	GM3YOR
W7HPW	K3VAT		UN1L	IZ2FOS
WB8B	K4OY	142	VE6SV	JA3APU
WD5K	K8BL	I5HOR	W0SEI	K2QMF
YO3DDZ	KF6HI	JA2ATE	W4NU	K8NS
	KR0P	JH0BQX	W7IV	RA3CO
148	N1CGP	JR7WFC	W8LWU	RG7G
DK2CC	N4GG	K3PP	WO2T	UU1JA
F5CQ	N6PSE	K4WZ	YL2MU	W1ITU
F5LVL	RT0F	K6EME	YO9FNP	W5ODD
F5PAC	SM3DTR	KK1W		WB5JID
G4FTC	W5ADD	LA9VFA	139	
JH1QDB		MM0SAJ	DF7EE	136
JL1UXH	144	N7QT	DJ4XA	E72U
N2WB	CU3EQ	NA4D	DL5EBE	ER0FEO
N5XZ	DL5CW	NQ7R	DL8OH	HB9IQB
NE3F	DL5KUA	NY2NY	DS1JFY	IK8CNT
W5FKX	E70T	OK1DO	HB9CQK	K0TV
W9JJB	EI6IZ	W2OO	JA1TMG	K4ZO
	GM3ITN	W5LUA	K3ANS	K7TM
147	HB9BYQ	W5VQ	K6AM	KR6C
EA3GP	HS0ZEE	WA5POK	K8GI	NA5DX
IV3VBM	I5MXX		K8RF	OK1DW
JA1XQC	IT9GSF	141	KA8SYV	SM5OJH
JN1BMX	IV3DXW	AC9S	KM3T	SP2BMX
K8UT	IZ4GWE	DL5MHQ	KU0A	UT3UZ
KM1H	JA3GN	EW1BA	LA8WG	UW8SM
N1IBM	JE1FQV	HB9FMT	OK1MP*	W2OIB
NA5C	K0VSH	JA1PTJ	SM5CBM	WB7QXU
PC3T	KJ9C	JA9RRH	SV8ZC	
W1OP	LA9GX	JH1HHC	W0SD	135
W2KKZ	N1IX	JH4JNG	WA8WV	5B4MF
	N3KK	J11DCW		DJ9ZB
146	SM4OLL	JR2LJO	138	F6FXU
EU4A	SM5CLE	K2RW	DK8MCT	IK8GYS
JA1HQG	W4GE	N8OC	DK8YY	IU0HDC
JA4DHN	W7ZI	NJ3K	EI9FBB	IZ7EVZ
JA5XAE	W8RLS	OE6VIE	F6DDR	JA2KVD
JH1GNU	WC5M	SV3FUO	IK8EPC	JA7LMZ
K5KV	WD5T	W2CG	JA3OOK	JA8BNP
K5SM	YO3CD	W3BW	JF3LOP	JA8JL
K6NR		W4JVN	JH7RXU	K1ZE
K7WP	143	W4VIC	K1RO	K4TT
N7BT	DL1DUO	W4WT	K2RET	K4ZRJ
OH1JP	DL6EN	W8GNM	KJ6P	K7FL

K7XB	UQ2PZ	R9SA	JA9AA	JA7KY
NZ9R	VE3WT	W8DCH	JE1LFX	JH3CUL
R7LP	W0NFL	ZS1A	JH4GJR	JJ1DWT
RN3RQ	W2QO	130	K0FF	JN1RQV
SM3LGO	W5AJ	DF9ZW	K3XA	K2ZD
SM5CZK	132	E73M	K4JAF	K4JKB
SP3XR	AA4NC	EI2JD	K4SE	K4XU
SV5DKL	AB9M	G7VJR	K6LPO	N8NA
W1DIG	AD6W	HK0HEU	KG7CW	OE3SGU
W1EQ	IK3VBB	IK3XJP	KM4NS	OK3CQD
W2GD	IT9RDG	JA2FBC	N5KM	PA5TT
W4BUW	K6YUI	JG1DUZ	OZ1IKY	VE3CX
W4MBD	K9ZM	JI4POR	R9SG	VE7BV
W4RFZ	N6HY	K2MYR	S53X	W8MK
W6DR	OZ2RH	K3NK	S55DX	W8REW
W6JTI	SM4BZH	K7LFY	SM3GQP	W9ILY
WE4S	SM6BGG	K8BCK	SV3DCX	WB0O
134	SP6M	K9GL	US8UW	WB2REM
CT3HF	VE3CRG	KO8SCA	VQ9LA	WD4LBR
HA1RB	W4AXL	NA4EA	W2WC	YU1EXY
IK4DCS	W4RBO	NO9E	W4IS	125
JA7LGE	W4WM	OZ2ABI	W6RKC	9A1AD
K1TO	W5SL	R3VA	ZS6UT	AG1A
K1ZN	W7AH	R5QA	127	GW3TMP
K3OX	W7CD	R9AB	CT3KN	HK4SAN
KX4TT	W9FR	RU1AO	HK1MW	JA4IYL
N9MR*	WB3D	S51NM	JA1DDH	JA6VU
N9RS	XE2S	TA1CM	JA1WLO	JE1TSD
OE1TKW	131	VE3DO	JA8RJE	JE6UWU
OH1ZK	DK7YY	W2MPK	JA9KRO	JF2WXS
PY5HOT	DL9FCY	W9ZT	JH3AIU	JH1AGU
RG6G	G3UHU	129	JS2LHI	K1HAP
RX4HW	HS1NGR	HB9AZZ	K0RW	K5KG
SM0BYD	IV3KFB	JA1NWD	K3TRM	KA6BIM
SP6JIU	JA0AOO	JA8JO	N1AC	KI4WCQ
UA0ACG	JA2TBS	K6XM	N1GC	LZ1XL
W4JKC	JH4ADK	K8DV	N9RD	N2KA
YU1AM	JJ1TEA	LB7ZG	OE8HIK	N3EN
133	JM1FHL	N0YY	PA3EWP	N4JT
9K2NO	K1UU	N2BJ	SK7AX	ND5S
EU1U	K5VIP	N3KS	SP6A	NW6S
IK5DNF	K6SIK	N3RR	SP7ASZ	OE1AZS
IZ8DFO	K9DR	W0YVA	W0CP	RA0BA
JA6CBG	KC2LSD	W7QHE	W0RT	UU7JM
JA7GLB	KH2L	W8MET	W1OPD	VE3UTT
JA9AGN	KM3V	128	W3BG	W5DAW
JR6FC	KM4H	AA4SC	W3FOX	W9CG*
JR7FRW	N3MK	DM2RM	W3MF	WV4TN
K2CDJ	N4QWZ	IK2SGB	W8LMG	YO2RR
KS4YT	N5PHT	IT9ZZO	XE1KK	124
KU2A	N6RK	JA1XCZ	126	AA7XT
OE1KM	ON4ON	JA2AHH	AC9EM	AB1OC
ON4CAS	PY5EG	JA2KSP	DJ8WD	J11DHY
RA5BM	R0SR	JA5FDJ	F8BPN	KD4POJ
RV4LC	R9MJ		G4IUF	NA2U

PA0TCA	K1ESE	FG5FR	N9UA	JA7IC
UA0BA	K1YT	HB9BLQ	NT2A	JM3GXU
VA7CRZ	K2MP	IZ0LKV	NY7T	JR2UBS
VE1DUN	K7ZA	IZ5NFD	OH5NG	K2BB
W2JU	LA7WCA	JA4EPE	OK1DT	K6PJ
W2RIJ	LA8PT	JR3UIC	R6FFB	K8OOK
W3FM	N3NR	JR6LLN	SV1ACK	K8QM
W6CYX	N9AW	K2BA	VE3YF	K9FN
WB8K	NN7X	K2HK	W4HZ	N2JJ
	OZ3Y	K3QIA	W8FIB	N4IR
123	RD4A	K6FW	WC2K	N8AA
AC4TO	SP9WZS	KA8ZPE	XE1RCS	N8XI
DL7JRD	UU4JMG	N4BAF		NY4G
F4GTB	VE6AX	N4LR	118	ON5UE
G4WFQ	VK4CAG	N4TB	5T5PA	OZ5HP
G5LP	W2TB	N4UFP	AB2E	SM7BIC
HB0WR	WA3I	N8PW	DL5OCE	SP8HKT
IK2CHZ	WA7BNG	OE3EVA	JA4FHE	UA6J
JA0CRG		OZ2A	JI8DGO	UB3A
JA1SJV	121	PZ5RA	JN7DOS	UR9IDX
JA3MHA	AA6RR	RL3BZ	K3WGR	US1CT
JA6WJL	AA8CH	SP7ITB	K4CNW	W4ZRZ
JI4WAO	DF1DB	SV1IW	K5XM	W6SL
JK1EXO	DK1EI	UR5IKN	K7PI	W8ZR
JR1EBE	DK6CQ	US0YA	K8LN	WA2USA
K2PK	EI2GLB	W0RX	K8WVA	
K3FRK	HB9DHG	W2YR	K9GWH	116
K3XO	IT9AAI	W3OA	KD2T	AJ4F
K4ZIN	JA2HYD	W4PRO	KD6UO	DL7URH
K5GH	KD8RQE	W6RFL	KG8CW	EA5BRE
K5JC	KG9Z	W7RN	KV4AA	HA7PF
K7UT	N0OK	WP3R	LZ2HM	HB9EFK
K9CS	N1JP	ZL4AS	N2MM	IK0EIE
KV4T	N3ND		N4DJ	IK2OHG
N2ED	N4TL	119	N6MB	IT9TQH
N4DWK	N6HC	AA3AZ	PY2PA	IV3HYD
N6MZ	SV1AHX	AA4DD	RN3TT	JA1WTI
N9JV	SV1FKZ	AE3T	SV9COL	JE2EHP
N9LQ	UQ1GWW	AJ4A	TA2RC	JH3GCN
NA2P	UT4EO	DK3GG	W1KSZ	K1DC
NA9RB	UU2JQ	DL9OBY	W4DAO	K1RI
S50B	VA3AYA	EW4M	W4NJ	KT1V
UA3DK	W0QQ	G4DJJ	W5JMW	KV1J
UR9QQ	W2GG	HB9AAQ	W9FI	NA9Q
UT3QU	W3RJW	HB9BCI	WX3P	OH8LXT
W1AO	W6XI	I2TZK	YO4AUL	OZ1LCG
W4NF	W9XX	I4MKN		PA0JSE
W8NJR	W9YE	JA3AZD	117	RV3ID
WT4Q	WA1PMA	JA4XGC	9Y4VU	TZ4AM
XE1H	WY1G	JE2JMV	AE0P	UA4PCM
	XE1VIC	JH6CDI	BH4IGO	W1ENE
122		K3NF	DL1DWT	W1WEF
BA4RF	120	K5UZ	G3PLP	W7GG
G3NDC	9A5F	K7EG	IT9DAA	W7OEV
IU0LFQ	AA5JF	K8KWT	JA1HQT	W8LRO
JA1MRM	AL7TC	K9SG	JA4FM	WQ5L
K1BZ	DL2VWR	N0KV	JA7GYP	

115	K3MD	W9DX	WA8OLN	F5BAR
C6AGU	K3OSX	W9VNE	WT9U	G3LNS
CU2CE	K5CD	WA4DOU	ZP6CW	G8AJM
DL9GOA	K5RJ	WB2HJV		HC1BI
G4XEE	KB8U	WB2UFF	111	HI8R
G8BCG	KZ4V	WS4C	9K2OD	I2BBJ
G8DX	N1QY	XE1RBV	AA4U	IK5RUN
HA5UK	N3MN	ZL1BYZ	AF4OX	IK8UHA
HK3PJ	N4IQ		CU3AN	IZ0CKJ
IW0HEX	NU8Z	112	DG7RO	J68HZ
IZ7JVR	UA3FT	A92IO	DK2WH	JA7EPO
JA2KNW	W0VX	DJ1RL	DK6ED	JE2UFF
JA3NHL	W3MR	DK5RL	DL1HRN	JH1VHU
JG3LGD	W4TUN	DL5CL	EV1R	K2BLA
JH1RFM	WA1FCN	EA1JO	F6ECI	K3JRR
K0GD	WA4CEM	EI8IU	G4DBN	K3PH
K0SD	WA8MCD	EW1DO	HL3GOB	K4WW
K4CMS	WA9YYY	G3XGC	JA1AUD	K6MI
K4GHS	WN9O	HB9CEX	JA1FGB	K6VKO
K4GK	XE3ARV	HB9CRV	JA1NCZ	KB4MRX
K8YTO		HB9G	JE8TGI	KC2STA
KZ5DX	113	IK2ANI	K0FLY	N2CG
LY4T	9A1A	IU8FRE	K5WAF	N3HBX
N0IRM	DJ5DT	IZ4DIW	K7ORK	N3IQ
N4OA	DJ9RR	JA1SXR	K9AJ	N3JB
N5BO	DL8CM	JA4BXL	KM1R	N4KE
N8KOL	DL8DYL	JA7BXS	KP4AA	NC6K
PA3AXU	G4AFJ	JF2WGN	KZ0X	NK7C
RZ6MJ	JA0GCI	JR7TEQ	LA0CX	NY4I
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UA1CGS	JH1ORA	K1EDG	N7BD	SM5BHW
UA6XT	K0TPP	K1EO	N9HF	SV1VS
UN6T	K8SL	K1KO	NA1DX	UA3O
W4UCK	KA4RRU	K4UAS	UR6QA	US7MM
W5VY	KH6DX	K8CC	VE6KC	W0UY
W9HBH	KI0G	KB2FCV	VE7CT	W3XY
YL2CZ	KT1J	KI4DLS	VE7UF	W4DC
	N6PE	KM1C	W0VHF	W4NE
114	N7KO	LA8HGA	W1FO	W5ZPA
AB4GE	N9ISN	N5ZC	W4HOG	W6KK
BA4DW	NA3F	N6MA	W4OX	WL7E
BA7IO	NG0G	RU4SU	W5AQ	XE1FAS
CT3FN	NI5F	SM3DMP	W7VS	YU7AU
CU3AK	NK5B	UA1ACG	W8KA	ZL3NW
DL6NB	NZ3M	UA1CEI	W8MIL	
F6CWA	R7NA	UT6UD	W9RB	109
G3SDL	RA4UN	VE7XF	WA2BOT	DF1KG
HP3TA	RZ3AUL	W1HEO	WA2MUA	EA3GHZ
I5OYY	SM5ARL	W2CVW	WB4TDH	EU4T
IK7YZG	SP3EPG	W2SKI	WB9EEE	F8EZE
JA1OVD	SV1JFV	W3UL	YL3DQ	G3SVD
JA4KDT	SV2AVP	W4VHF	YO6HOY	IW0HQE
JA5WIZ	UN7TW	W5VX		JA2CXF
JH6WMJ	VE3KI	W6TC	110	K2ONP
K1RV	W2GW	W8GEX	BA4MY	K4RDU
K2DC	W6BK	W8HMK	DL1VDL	K5FZ
K2HAT	W8FAX	W9SE	EA5BYP	K5KA

K5KPE	PA0ZH	OE1CP	N2SQW	K9RO
K6MW	R5FY	OK2BUZ	N3XM	KI5T
KE1F	R7LA	OK3CQR	N8AID	KT2E
N1BZ	RX6DX	R0FA	NA5Z	KX2A
N2WLG	S57J	RN4AA	NI5M	LZ1JZ
N7TY	SM6AOU	RV6ARZ	NS3L	N2DPF
N8NN	UX7UN	SP3BQD	OE5CSP	N4JI
ND4V	UZ6LWZ	SP6AXW	OH2OT	N4NW
NN4RR	W2UB	US5CB	OK1AYU	N4PL
NU4I	W3NRJ	VE3OI	OK2BVG	N4SC
NX7U	W4ZYT	VK3NX	S57AL	N4VN
PY5CC	W7ACD	W3KB	UR3CRO	N6NU
RW4UU	WA2ALY	W4MAY	UT7UU	N7DR
RW9QA	WA8MOA	W6TDX	UU5WW	ND3L
RX3AGD	WB8BZK	W8IW	V73AZ	ON7PQ
TG9NX	WC1M	W8VK	VQ9SS	OZ4AAL
UB5ZAL	WC6DX	W9CPV	W1CWU	PF7M
UT7KF	WD9EQU	WA0RVK	W2EQ	PJ2/K8ND
VU2CPL	WW1WW	WB6CJT	W2LE	PY2DS
W5WP	ZS2DL	WB8ART	W2NO	R6YY
WB5TUF		WS1L	W3ICM	RA6AF
WN0L	107	XE2YWH	W4IR	RD4WM
YV3AGT	4Z5LA	YL1XZ	W5JAY	SP5JXK
	DJ8ES	ZL3RJ	W5KI	UA6LCN
	DK3FB		W8OP	UR1RWX
108	DL1QQ	106	WA4MYO	UR2RGN
AI2Q	DL2CHN	AA4FL	WA6TLA	VE1PZ
AL7R	DL5XU	AE2U	YL2GN	VR2MY
DL6CNG	DO4DXA	DJ6OZ	YU3EF	VY2ZM
ER1LW	EA5AT	DL2NOM		W1LE
G3VAO	EA7QW	DL3JSW	105	W1LY
HB9BAT	FG8OJ	DL6JZ	DF2PI	W1MRH
HB9FAN	G4AKY	EA3CCN	DF8AA	W4OWY
IK0PRG	G4RGK	HA8DZ	DJ3XD	W6FF
IZ0BTV	I5IHE	IK0ZIO	DJ6KH	WQ5W
IZ2EWR	IT9XTP	IW3GJF	DL4ZAB	YU1NR
JA2MOG	JA5EY	JA1VLK	DL6XK	
JJ2PIK	JA6OXT	JA2MNB	DO1CTL	104
JK1MZT	JA8JTH	JE6IGP	ES1GO	9M2AX
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K1XM	JR1BAS	JG5RVQ	HA8FW	AG4Q
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K2MK	K3SW	JJ0NCC	JA4EVN	CX3CE
K4SAF	K3YBN	JR0EQQ	JA6VA	DK3BK
K4WY	K4MS	K0DEW	JA7BME	DL4FAP
K4YJ	K8LBT	K1PX	JA8RRF	DL7UPN
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K8OM	KB9DAK	K5AM	JF1RYU	EA8ZS
KM8AM	KE2R	K5ZQ	JF2VAX	EI9E
KN4JX	KZ1W	K8JJC	JO4CFV	F6AJA
LU2DKT	N2RR	KD9HL	K1DJ	F8GB
LZ3YY	N3DAP	KK8X	K2XF	G3BRD
N4MEC	N4RF	KK9H	K5AV	HB9CIP
N6RFM	N6EE	KQ3F	K6DJ	HK3O
N9SF	N8AGU	N0JZ	K7OX	IK0DWN
N9TF	NA5Q	N2CW	K7PO	JA1SDV
NU4Y				

JA2FGL	WA0I	RK3QY	KN4KL	DM3ML
JF1EGO	WA9ETW	RU3OW	KW4BY	EA1WX
JF6WTY	YC0LOW	SM3CBR	KY6R	EU1TT
JK1BSM	YO5ODE	SM6EHY	LA3ANA	G3ZFC
JO1WXO		SM7BHH	LA6UL	G4FJK
K0WK	103	UA3PFN	N5RZ	GM3WTA
K1BG	AG1I	US2WU	OH2EA	HB9NL
K3FM	AI3Q	UT2AB	OK1DTN	IV3GOW
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K4MF	DJ3GZ	VA3IC	OK3CSQ	JA1VVX
K4VIG	DJ7PI	VE3EDY	PA7TWO	JA2VMU
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K6UM	DL8YRM	VE3VV	PY2DO	JA7SFD
K7TJR	DM5TI	W0QC	R2AB	JF1RPZ
K9EA	DS3HWS	W0UVC	R3IS	JH3HGH
KA2BZS	EA7SG	W1CTN	RU3UN	JH3PRR
KH6KG/W5	EU6MM	W4AVY	S59DJK	JH7BKN
KI0KB	EW3LB	W4MZ	SM6WET	JI3KDH
KW0A	G3BDQ	W5THT	SP5MXZ	K0LW
LZ2XF	G3OIL	W5VU	T77V	K1YR
N3ER	G4AAW	W6SZN	UA1AIR	K2BX
N3TR	G4PUQ	YO7APA	UA1CKC	K2TER
N4GU	G4VGO		UA6HOF	K3SEW
N4TTE	I0OSI	102	UA9MR	K4NNX
N6PF	JA1JAT	A6/RV6LNA	UA9UCO	K5DNL
N6WM	JA2GQO	CT4BD	UW7CN	K6AAW
N8MZ	JA2OLJ	DK3QM	VE2FYR	K6XJ
N9DR	JA3FHL	DL3DXX	W0JMP	K7AR
N9PGG	JA8EJO	DL3NCR	W1AW	K7IA
NJ9C	JE1SYN	DL4CW	W1PV	K8BN
NN3Q	JH1DGQ	DL4KUG	W2LW	K9JU
OH4UI	JM2RUV	DL5RDI	W2TX	K9PG
PA0GMM	K0EOO	EA1CP	W3EKT	KC4PX
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RU3UR	K4LQ	EI4DQ	W5TO	KE1VT
RZ6DX	K5JUC	EI6GF	W7IUV	KE4S
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SO5AS	K9XJ	HB9AHL	WS4Y	KS4XQ
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UX4UM	LX1DA	JA8OW	101	N5AQ
UY0MM	N0RU	K0YN	AA2VG	N8AG
VE3VHB	N1HOQ	K1PTF	AA3LX	N9JCS
W0YBS	N9BBQ	K2LP	AA4NU	NE1F
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W5ZO	R9GM	K7UA	DL1KS	OK3EY
W6PH	RA0FA	K8BHZ	DL3ANK	OK4MM
W7DR	RA4HT	KJ6NZ	DL5JS	ON4LG

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RA4P	EC5A	N2XQM	W3BBO
RA4SD	EI3ISB	N3AF	W4HHN
RB7GG	ES5NC	N4CRI	W4OEP
RK9F	FM5GU	N4ZR	W4OV
RY6M	G0VXE	N7DED	W6WA
SM2DMU	G4CGG	N7TK	W7DT
SM7NDX	GM3ZSP	N8IL	W7JET
SP7JLH	I2VGW	N8NB	W8CNL
SV1PL	IK0HFO	N8OQ	W8FN
UA0FDX	IK4MSV	N9ADG	W8GDQ
UG6GAW	IK5ZUK	NA6O	WB4SON
UR7CQ	IS0/YO3RA	NB3R	WU2M
UT1CC	IT9CVO	NG7A	YB1TJ
UT4IS	IW0BYL	NJ3I	YL2SM
UT7HA	JA1BRK	NN4SS	YO9FLD
VE2OJ	JA1CPU	OE5JDL	ZP9MCE
VE3XB	JA1ILA	OK1DXD	
VK2GR	JA4FSH	OK2PAZ	
W1FC	JA5DQH	ON4ANN	
W1GF	JA9CGW	ON7EH	
W2SF	JE1PHH	ON7GB	
W3WH	JF3DRI	ON9CC	
W4BUE	JS6TWW	OZ1ZD	
W4PM	K0LB	PA0INA	
W5RF	K0XM	PA7RA	
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W7CB	K1NZ	R9JX	
W8GB	K2CBI	RA3SD	
W9MAF	K2CYE	RA4LW	
W9ZCL	K3TZV	RA6XB	
WA3EKL	K4FT	RC2A	
WB3HLH	K4KSY	RN1A	
WC4H	K4QS	RT5A	
WK9U	K4UQC	RU3GF	
WR2G	K7VIC	S53MJ	
WV9L	K8BZ	S59SV	
YO2OXD	K8CR	SM0CXU	
YO6BHN	K8CS	SV1VJ	
YV4DYJ	K8LE	SV2DSJ	
	K9NZ	TI5CDA	
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9M6YBG	KB0EL	UA4PAY	
A41ZZ	KC0V	UA6CEY	
AA4AK	KC4D	UN6P	
AA4UC	KC5LT	UR4CW	
AB4VV	KD8BZY	UR4LRG	
AC4VM	KP4N	UR8IDX	
AI2S	KQ5M	VE1RGB	
DJ6OI	LA8W	VE3OAT	
DK8MM	LU5OM	VE7JKZ	
DL1TPY	LU5YF	VP2VA	
DL1TRK	MM0SJH	VR2PX	
DL9GTB	N0AH	W0GYH	
DU7ET	N0ATQ	W0MU	
EA2AAZ	N1KI	W1AN	