

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 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	
330 AA1K HA0DU OH1XX R4GM	319 N0XA SM4CAN UT5UGR	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I RA7A RZ3AM SP2FAX		299 K4TEA N1BUG SV1FJA UX1UA W7UT
329 K3UL UA4HBW	318 4X4DK W9ZR		304 DJ0MDR GM3GAV SM3GSK	
328 UA4CC	317 W3LPL	310 I4AVG RA3CQ SM5BFJ SM6CVX	303 F5LGE G0JHC GM3YTS	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ RA3DX

SM5CEU	UT1UY	SM6DHF	276 G3LZQ N8RR N9IW OK1AWZ VE2TZT	KD5M SP9JZU 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 SV8CS 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		266 G4OBK K1QX NR1R R3LA W1GL W8TE W8XD
294 DL1AMQ JH2FXK LA5HE N0TB RJ3AA WD5COV	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	265 AA4V* AA6YQ AA7A EA5BM EI7BA K4XP RW0LT SP5DIR YO5BRZ
293 JH4UYB S58T	285 G4CCZ UR5WA	278 DK0EE F6BEE JA3FYC K5DU RU3FM	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	264 IK2YCW K7ZV
292 G4BWP IZ0AEG JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W5ZN W8TOP	284 K5XI SP3DV UX1AA	277 AA4MM DJ9VA DK5WL F6AOJ HB9AMO IK5BAF OH3BU ON7TK SP9DWT	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV	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 R3OK		270 AA1V LA3MHA OE5KE SV8BHN	262 G0DQS IK5HHA KR9U N5KD W1YY
290 UA3AKO			269 K6ND	261 9A4T

DL9YX K2EK K5KC N6SS NO8D SP1S	OM3DX WA4FFW	WB3AVN YO9HP	UA3TT VE1YX VE3NH	SP8AJK WA7NB
260 K1LT K4DY UT9FJ	253 5B4AGN IV3YYK 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 JQ3DUE 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 IK0XBX JA1HGY ON4IQ	238 DL8WN IK0XEZ IZ1LBG JA0DAI OK1CF RA0FF VO1HP W3LL	233 DJ5FI K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO
257 K1GUN K9NW N4II N8TR W9YSX	250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG ON4ATW S57A SV8CKM W9RPM WX4G	237 AC4G DL7MAE IW1ARB NI0G OM4EX	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	236 AB4I K1JO K5EK K9NR K9ZO KC7V OK2ZI OZ4O	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX
255 IV3ODE K4QL N2MF R5AJ UX0FF VK4MA W3KX W5OZI	248 K3WW K5RX SM3VAC T77C W9NGA	241 JA0CRI JA1SYY JA3EMU K5ZK KA9CFD N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM		230 DF6PB JA1CMD KD0Q N8JV
254 AA1QD I1EIS N0AT	247 K0IEA K6XT NN4X NO2R R7IA WA7NS			

SM3NXS W4GF W4VQ	RV1CC RW3XZ SP8NR VA5DX W7KW	VE3EXY	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL	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	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	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	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	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	211 EA1RT IK4DRR JA4DEN K3WA RU3SD VE3LYC WA5VGI WP4U	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 W1ZK W6JRY WS6X	216 F6DAY JA9PPC K3JGJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	210 I8SAT JA7MSQ JJ2LPV UW7LL	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC N8DJX SM6BZV US0KW VE3BW
225 A45XR JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK	220 AG8B DK2NG HB9LCW HL5IVL JF3KON JR4OZR KA1R N1LN	215 IZ8FWN JH0INP N7JW RA1QD W0UO W2LK W6YI		205 F6EXV I4KDJ

JA3AAW KA9FOX W8UN WB8ZRL	RA3S UA9FAR ZL3IX	OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS XE2X	K4ODL N5LZ N9EN PA0LOU RN1ON UA0CA W9MU WA2VYA	UA7T WA3C
204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A N4NX N4QS N7FU SM2OAN UA0SR US6EX W2HUV WD8PKF WF4U W18A	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 K9YY LY1G N5ZM N7KA OK1DOT R9TO	199 DK2LO G0BNR HB9DDO JA2DPC K6G XO KB8VAO N4DW W1TO YO2DFA	194 JA1XEC K4KDX K9JF KB9LIE LA7AFA SM7GIB W2LO W4FC WD8JJA WN6W	190 IZ8XQC 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 DL6ZXG EA3WD HA5BSW	189 9A2F AA1ON EA8PP FM5CD JA0VSH SM0NJO SP7HOV	185 AB6QM CT1EAV EA6BF G3KWK IK3SWB K5ZD LA3WAA N4TJ N5UR OE2BZL SV1DPI UA9CBO
	197 G3SNN JE1BMJ JH2UVL K8NVR OE4PWW			184 HA5WA JA2ZL JF1NZW K4HGX K5KLA

KB4ET	JA9NLE	JS3CTQ	KJ0M	KR4F
N9RC	JR7BDQ	K4DLI	VE6WQ	N4QQ
S57AC	K0TT	K5GKC	W3JX	N8BJQ
US8UA	K8WK	LA5LJA	W4FQT	PA7F
UT2UB	N2PK	N7IR	WA9PIE	SP5GH
W2YJ	OK1MG	N7XR	WC4X	SV2AEL
183	S57UN	PE1L	171	W4SVO
IT9INO	SM4DDE	SP1MGM	AA9D	W6VX
K4CN	SV3FUP	TF3SG	DL6KR	W8OI
K8RRT	W8KEN	VE3FF	G0EHO	WA0MHJ
K8VC	178	W8HC	HA9PP	WA5YNB
N9MB	4Z5CX	WX0V	JA6HUG	167
NN2L	EA3CJ	174	JR1TNE	DK5AD
ON6SAS	JA4MRL	4Z5MU	K1NU	EC3A
W2FP	K2UR	JA0GJJ	KI5BLU	EI6FR
W8NW	NE0U	JA1PPW	N0RN	JA6VQA
182	SM7DLK	JA2XW	N4OGW	K6KO
DJ9ON	SV1JG	JA7MOL	N7RO	K8NK
DK3UA	W6NWS	JF7DZA	RA3DNC	K9MBQ
HK3W	W7MEM	JK1OPL	SV1LK	N0IJ
JA1SHE	ZS1LS	JR6PGB	170	N3BNA
JA3ENN	177	K1KI	DJ6TK	OH2BLD
N3OC	9H1SP	K2KA	JA6JPS	PA3C
UR3EO	AE5E	K3AJ	JE3ENP	RA1AOB
181	CT1GFK	K4TR	JF1WPB	RN9N
DK3WW	JL1SAM	K4WS	JM1GYQ	S51EC
JA2BDR	K3WC	N1EN	K6ZZ	W1YW
JA9TWN	K4RG	OE1WHC	N4PY	WA4LOX
JN4MMO	K9NU	RN7F	SP3GTS	WB0TEV
K2EP	SM6DHU	UA3LNM	SV3KH	WC5N
LZ2ZG	W2OR	W8UV	W9EVI	166
VE3OSZ	W5LT	W8VVG	WA3AFS	4Z1UF
W9AJ	W7FI	WT8C	169	DJ4SO
180	WB7B	173	IK0PEA	HB9FMN
CT1FPQ	176	5B4ALJ	JA1ADT	IV3TDM
DM2DXA	EU1AB	I1JQJ	JE2LPC	JA1FNA
DM3VL	G0BLB	JG0CQK	JR1IZM	JA9LJS
EA8JF	I6FLD	K1NTR	K1LI	K1KA
IK4ADE	JA0DET	K4XR	N4XX	K3KY
JE2URF	JA5IU	K9YC	N7US	K4JLD
K6SSS	JA6BJV	KA1J	UT8MM	K4PB
K7BG	JA8KSF	N5FG	UY5AA	K4WA
LA9AJA	K8MN	PY5EW	W6RW	K4ZYU
N1RR	N5OK	UN9L	W7YAQ	RM3DA
N4AH	OK1DWC	W3IP	WB3JFS	W0DJC
ON5FP	RL3FA	172	168	W1RR
W1RM	SM5FUG	EA7TV	G3MXJ	W8ILC
W7BEM	W4BP	G3NKC	IK2EGL	WA8TXT
W8TN	W4GD	IZ5MOQ	JE7JDL	165
179	YO7NE	JA3FGJ	JF2UPM	DL7UCX
IT9ELD	175	JG3IWL	K4XD	F6HDH
IW0SAF	JA1CHN	K0DEQ	K5QY	HB9TKS
	JH2QMT	K1BD	K8RYU	I2ZGC
		K6FG		IK0AGU

JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN	DL6RAI HB9DHK JA1DOF JH4ALY K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW	J11NJC JR1GJP K1CA K5TT K9GA OZ1HX RU6M SM4EMO W0SZ W1OX W2XL W3GQ W4QN	NE0DX NW7E SM6VR W2XI WE1P WS5W ZS6EZ	W1VT W6RLL W7AJ WB3CQM
164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG W4DKS W4NS* WP4G WW3S	160 AD5Q DK1WB DL1DA IK0FUX IW2FND JA2EPW JE2DZC JE2OVG JF2XGF JR7MAZ K3MSB K3RA NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B	157 AA4H AC6DD DL4MM DL6MRS EA5BY G3TQZ JA1GHH JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ WS7L YV2IF	154 3V8SF GM3PPE HB9BUN JA8NFV JR3OEH K0KVR KR2Q NX8Y SV1CNS W1NA W5DNT YS1RR	151 AA7G DK2OY EI9JF F3SG HB9SLO JA2VQF JA6BEE JH1NYM JR1XIS K2AX K2FW KD0PO N2ZN N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7CT W7RH WA1Z WA2BCK
163 9A2JK DJ9HX JE2LUN JH4CPC K7NN K8TL OK2QA UR4CWQ VE3CFK W7AL	159 JA4FKX JA9APS JH6QFJ JL1RUC K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT	156 AB9V FM5BH IZ8IEV JE3GRQ JO7HAM K0QC K8YSE KS1J N3RC N3UA N7WS OE5RLM UA3SAQ VA3LX W1YIF W4TV	153 AJ9C CU2AP DF2RG DL3ZA G3TJW HL2CFY IZ3ENH JF1IRW JR9OPJ K7SP K8VFX LZ1PM N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU	150 EA1AF IV3RAV JA1SVP JA2NQG K0RS K5TR K7LV K8AJS KU4XO N3QE N9CO OE8SPW SQ5EBM UA6YW W2/CT1GIF W6DAO WW2DX
162 4O3A 9A4W F3AT IZ4DPV JA6GIJ JR5JAQ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ	158 AA6AA CT1FCX DJ4PT DL1FKA G4GIR IT9DSZ JH1TWT JI1FXS	155 DL1RK DL4SZB HB0CC K2LS	152 EW2A JT1CO K9MK KQ4AV KS3F N9OY S55ZZ UA6IGI UN7LZ UT5AB VE6LB W1SKU	149 DL7CX HB9HFN I0JBL IK4FNF JL1ARF K3TN
161 DK2GZ				

K4YYL	145	N2WM	140	UN7JID
K5VWW	AF4HX	N5UW	9A1CAL	V51B
K8ME	HI3T	N6PAT	HB9RYZ	W1GD
K8ROX	IZ0RVI	NN4R	JA4OK	W2YE
R8TX	JE6TSP	W0IZ	K5WK	W4YV
SM6CUK	JJ3HGJ	W6QUV	K6KLY	W7OM
UW7UA	JK1AJX	WB8CQV	KF8DX	
W0GG	K1OA	WB8ZRV	N4XP	137
W7HPW	K3VAT	WD9DZV	OH6NIO	EA1YO
WB8B	K4OY		ON7DR	GM3YOR
WD5K	K8BL	142	UN1L	IZ2FOS
YO3DDZ	KF6HI	I5HOR	VE6SV	JA3APU
	KR0P	JA2ATE	W0SEI	K2QMF
148	N1CGP	JH0BQX	W4NU	K8NS
DK2CC	N4GG	JR7WFC	W7IV	RA3CO
F5CQ	N6PSE	K3PP	W8LWU	RG7G
F5LVL	RT0F	K4WZ	WO2T	UU1JA
F5PAC	SM3DTR	K6EME	YL2MU	W1ITU
G4FTC	W5ADD	KK1W	YO9FNP	W5ODD
JH1QDB		LA9VFA		WB5JID
LA6OP	144	MM0SAJ	139	
N2WB	CU3EQ	N7QT	DF7EE	136
N5XZ	DL5CW	NA4D	DJ4XA	E72U
NE3F	DL5KUA	NQ7R	DL5EBE	ER0FEO
W5FKX	E70T	NY2NY	DL8OH	HB9IQB
W9JJB	EI6IZ	OK1DO	DS1JFY	IK8CNT
	GM3ITN	W2OO	HB9CQK	JH4HMG
147	HB9BYQ	W5LUA	JA1TMG	K0TV
EA3GP	I5MXX	W5VQ	K3ANS	K4ZO
IV3VBM	IT9GSF	WA5POK	K6AM	K7TM
JA1XQC	IV3DXW		K8GI	KR6C
JN1BMX	IZ4GWE	141	K8RF	NA5DX
K7HP	JA3GN	AC9S	KA8SYV	OK1DW
K8UT	JE1FQV	DL5MHQ	KU0A	SM5OJH
KM1H	K0VSH	EW1BA	LA8WG	SP2BMX
N1IBM	KJ9C	HB9FMT	OK1MP*	UT3UZ
PC3T	LA9GX	JA1PTJ	SM5CBM	UW8SM
W1OP	N1IX	JA9RRH	SV8ZC	W2OIB
W2KKZ	N3KK	JH1HHC	W0SD	WB7QXU
	OH1JP	JH4JNG	WA8WV	
146	SM4OLL	J11DCW		135
EU4A	SM5CLE	JL1UXH	138	5B4MF
JA1HQG	W4GE	JR2LJO	DK8MCT	DJ9ZB
JA4DHN	W7ZI	K2RW	DK8YY	F6FXU
JA5XAE	W8RLS	N8OC	EI9FBB	IK8GYS
JH1GNU	WC5M	NJ3K	F6DDR	IU0HDC
K5KV	WD5T	OE6VIE	IK8EPC	IZ7EVZ
K5SM	YO3CD	SV3FUO	JA3OOK	JA2KVD
K6NR		W2CG	JF3LOP	JA7LMZ
K7WP	143	W3BW	JH7RXU	JA8BNP
N7BT	DL1DUO	W4JVN	K1RO	JA8JL
NA5C	DL6EN	W4VIC	K2RET	K1ZE
RU0SN	HS0ZEE	W4WT	KJ6P	K4TT
W1IZL	IT9BLB	W8GNM	LB5WB	K4ZRJ
W1ZT	K7CMZ	W8HW	ON6AA	K7FL
	K7CW	ZS1C	OZ8X	K7XB
	N2RJ		RW4CY	NZ9R

R7LP	W0NFL	ZS1A	K0FF	JN1RQV
RN3RQ	W2QO		K3XA	K2ZD
SM3LGO	W5AJ	130	K4JAF	K4JKB
SM5CZK		DF9ZW	K4SE	K4XU
SP3XR	132	E73M	K6LPO	N8NA
SV5DKL	AA4NC	EI2JD	KG7CW	OE3SGU
W1DIG	AB9M	G7VJR	KM4NS	OK3CQD
W1EQ	AD6W	HK0HEU	N5KM	PA5TT
W2GD	IK3VBB	IK3XJP	OZ1IKY	VE3CX
W4BUW	IT9RDG	JA2FBC	R9SG	VE7BV
W4MBD	K6YUI	JG1DUZ	S53X	W8LMG
W4RFZ	K9ZM	J14POR	S55DX	W8MK
W6DR	N6HY	K2MYR	SM3GQP	W8REW
W6JTI	OZ2RH	K3NK	SV3DCX	W9ILY
WE4S	SM4BZH	K7LFY	US8UW	WB0O
	SM6BGG	K8BCK	VQ9LA	WB2REM
134	SP6M	K9GL	W2WC	WD4LBR
CT3HF	VE3CRG	KO8SCA	W4IS	YU1EXY
HA1RB	W4AXL	NA4EA	W6RKC	
IK4DCS	W4RBO	NO9E	ZS6UT	125
JA7LGE	W4WM	OZ2ABI		9A1AD
K1TO	W5SL	R3VA	127	AG1A
K1ZN	W7AH	R5QA	CT3KN	GW3TMP
K3OX	W7CD	R9AB	HK1MW	HK4SAN
KX4TT	W9FR	RU1AO	JA1DDH	JA4IYL
N9MR*	WB3D	S51NM	JA1WLO	JA6VU
N9RS	XE2S	TA1CM	JA8RJE	JE1TSD
OE1TKW		VE3DO	JA9KRO	JE6UWU
OH1ZK	131	W2MPK	JH3AIU	JF2WXS
PY5HOT	DK7YY	W9ZT	JS2LHI	JH1AGU
RG6G	DL9FCY		K0RW	K1HAP
RX4HW	G3UHU	129	K3TRM	K5KG
SM0BYD	HS1NGR	HB9AZZ	KM3T	KA6BIM
SP6JIU	IV3KFB	JA1NWD	N1AC	KI4WCQ
UA0ACG	JA0AOO	JA8JO	N1GC	LZ1XL
W4JKC	JA2TBS	K6XM	N9RD	N2KA
YU1AM	JH4ADK	K8DV	OE8HIK	N3EN
	JJ1TEA	LB7ZG	PA3EWP	N4JT
133	JM1FHL	N0YY	SK7AX	ND5S
9K2NO	K1UU	N2BJ	SP6A	NW6S
EU1U	K5VIP	N3KS	SP7ASZ	OE1AZS
IK5DNF	K6SIK	N3RR	W0CP	RA0BA
IZ8DFO	K9DR	W0YVA	W0RT	UU7JM
JA6CBG	KC2LSD	W7QHE	W1OPD	VE3UTT
JA7GLB	KH2L	W8MET	W3BG	W5DAW
JA9AGN	KM3V		W3FOX	W9CG*
JR6FC	KM4H	128	W3MF	WV4TN
JR7FRW	N3MK	AA4SC	XE1KK	YO2RR
K2CDJ	N4QWZ	DM2RM		
KS4YT	N5PHT	IK2SGB	126	124
KU2A	N6RK	IT9ZZO	AC9EM	AA7XT
OE1KM	ON4ON	JA1XCZ	DJ8WD	AB1OC
ON4CAS	PY5EG	JA2AHH	F8BPN	J11DHY
RA5BM	R0SR	JA2KSP	G4IUF	KD4POJ
RV4LC	R9MJ	JA9AA	JA7KY	NA2U
UQ2PZ	R9SA	JE1LFX	JH3CUL	PA0TCA
VE3WT	W8DCH	JH4GJR	JJ1DWT	UA0BA

VA7CRZ	N3NR	JA4EPE	OH5NG	JR2UBS
VE1DUN	N9AW	JR3UIC	OK1DT	K2BB
W2JU	NN7X	JR6LLN	R6FFB	K3NF
W2RIJ	OZ3Y	K2BA	SV1ACK	K6PJ
W3FM	RD4A	K2HK	VE3YF	K8OOK
W6CYX	SP9WZS	K3QIA	W4HZ	K8QM
WB8K	UU4JMG	K5JC	W8FIB	N2JJ
	VE6AX	K6FW	WC2K	N4IR
123	VK4CAG	KA8ZPE	XE1RCS	N8AA
AC4TO	W2TB	N4BAF		N8XI
DL7JRD	WA3I	N4LR	118	NY4G
F4GTB	WA7BNG	N4TB	5T5PA	ON5UE
G4WFO		N4UFP	AB2E	OZ5HP
G5LP	121	N8PW	DL5OCE	SM7BIC
HB0WR	AA6RR	OE3EVA	JA4FHE	SP8HKT
IK2CHZ	AA8CH	OZ2A	J18DGO	UA6J
JA0CRG	DF1DB	PZ5RA	JN7DOS	UB3A
JA1SJV	DK1EI	RL3BZ	K3WGR	UR9IDX
JA3MHA	DK6CQ	SP7ITB	K4CNW	US1CT
JA6WJL	EI2GLB	SV1IW	K5XM	W4ZRZ
J14WAO	HB9DHG	UR5IKN	K7PI	W6SL
JK1EXO	IT9AAI	US0YA	K8LN	W8ZR
JR1EBE	JA2HYD	W0RX	K8WVA	WA2USA
K2PK	K3FRK	W2YR	K9GWH	
K3XO	KD8RQE	W3OA	KD2T	116
K4ZIN	KG9Z	W4PRO	KD6UO	AJ4F
K5GH	N0OK	W6RFL	KG8CW	DL7URH
K7UT	N1JP	W7RN	KV4AA	EA5BRE
K9CS	N3ND	WP3R	LZ2HM	HA7PF
KV4T	N4TL	ZL4AS	N2MM	IK0EIE
N2ED	N6HC		N4DJ	IK2OHG
N4DWK	SV1AHX	119	N6MB	IT9TQH
N6MZ	SV1FKZ	AA3AZ	PY2PA	IV3HYD
N9JV	UQ1GWW	AA4DD	RN3TT	JA1WTI
N9LQ	UT4EO	AE3T	SV9COL	JE2EHP
NA2P	UU2JQ	AJ4A	TA2RC	JH3GCN
NA9RB	VA3AYA	DK3GG	W1KSZ	K1DC
S50B	W0QQ	DL9OBY	W4DAO	K1RI
UA3DK	W2GG	EW4M	W4NJ	K9FN
UR9QQ	W3RJW	G4DJJ	W5JMW	KT1V
UT3QU	W6XI	HB9AAQ	W9FI	KV1J
W1AO	W9XX	HB9BCI	WX3P	NA9Q
W4NF	W9YE	I2TZK	YO4AUL	OZ1LCG
W8NJR	WA1PMA	I4MKN		PA0JSE
XE1H	WT4Q	IU0LFQ	117	RV3ID
	WY1G	JA3AZD	9Y4VU	TZ4AM
122	XE1VIC	JA4XGC	AE0P	UA4PCM
BA4RF		JE2JMV	BH4IGO	W1ENE
G3NDC	120	JH6CDI	DL1DWT	W1WEF
JA1MRM	9A5F	K5UZ	G3PLP	W7GG
K1BZ	AA5JF	K7EG	IT9DAA	W7OEV
K1ESE	AL7TC	K8KWT	JA1HQT	W8LRO
K1YT	DL2VWR	K9SG	JA4FM	WQ5L
K2MP	FG5FR	N0KV	JA5FDJ	
K7ZA	HB9BLQ	N9UA	JA7GYP	115
LA7WCA	IZ0LKV	NT2A	JA7IC	C6AGU
LA8PT	IZ5NFD	NY7T	JM3GXU	CU2CE

DL9GOA	K5RJ	W9VNE	WT9U	G3LNS
G4XEE	KB8U	WA4DOU	ZP6CW	G8AJM
G8BCG	KZ4V	WB2HJV		HC1BI
G8DX	N1QY	WB2UFF	111	HI8R
HA5UK	N3MN	WS4C	9K2OD	I2BBJ
HK3PJ	N4IQ	XE1RBV	AA4U	IK5RUN
IW0HEX	NU8Z	ZL1BYZ	AF4OX	IK8UHA
IZ7JVR	UA3FT		CU3AN	IZ0CKJ
JA2KNW	W0VX	112	DG7RO	J68HZ
JA3NHL	W3MR	A92IO	DK2WH	JA7EPO
JG3LGD	W4TUN	DJ1RL	DK6ED	JE2UFF
JH1RFM	W9HBH	DK5RL	DL1HRN	JH1VHU
K0GD	WA1FCN	DL5CL	EV1R	K2BLA
K0SD	WA4CEM	EA1JO	F6ECI	K3JRR
K4CMS	WA8MCD	EI8IU	G4DBN	K3PH
K4GHS	WA9YYY	EW1DO	HL3GOB	K4WW
K4GK	WN9O	G3XGC	JA1AUD	K6MI
K8YTO	XE3ARV	HB9CEX	JA1FGB	K6VKO
KZ5DX		HB9CRV	JA1NCZ	KB4MRX
LY4T	113	HB9G	JE8TGI	KC2STA
N0IRM	9A1A	IK2ANI	K0FLY	N2CG
N4OA	DJ5DT	IU8FRE	K5WAF	N3HBX
N5BO	DJ9RR	IZ4DIW	K7ORK	N3IQ
N8KOL	DL8CM	JA1SXR	K9AJ	N3JB
OH8LXT	DL8DYL	JA4BXL	KM1R	N4KE
PA3AXU	G4AFJ	JA7BXS	KP4AA	NC6K
RZ6MJ	HB9EFK	JF2WGN	KZ0X	NK7C
UA1ANA	JA0GCI	JR7TEQ	LA0CX	NY4I
UA1CGS	JA4ITW	K0JPL	N4WJ	RD9M
UA6XT	JH1ORA	K1EDG	N7BD	SM5BHW
UN6T	K0TPP	K1EO	N9HF	SV1VS
W4UCK	K8SL	K1KO	NA1DX	UA3O
W5VY	KA4RRU	K4UAS	UR6QA	US7MM
YL2CZ	KH6DX	K8CC	VE6KC	W0UY
	KI0G	KB2FCV	VE7CT	W3XY
114	KT1J	KI4DLS	VE7UF	W4DC
AB4GE	N6PE	KM1C	W0VHF	W4NE
BA4DW	N7KO	LA8HGA	W1FO	W5ZPA
BA7IO	N9ISN	N5ZC	W4HOG	W6KK
CT3FN	NA3F	N6MA	W4OX	WL7E
CU3AK	NG0G	RU4SU	W5AQ	XE1FAS
DL6NB	NI5F	SM3DMP	W7VS	YU7AU
F6CWA	NK5B	UA1ACG	W8KA	ZL3NW
G3SDL	NZ3M	UA1CEI	W8MIL	
HP3TA	R7NA	UT6UD	W9RB	109
I5OYY	RA4UN	VE7XF	WA2BOT	DF1KG
IK7YZG	RZ3AUL	W1HEO	WA2MUA	EA3GHZ
JA1OVD	SM5ARL	W2CVW	WB4TDH	EU4T
JA4KDT	SP3EPG	W2SKI	WB9EEE	F8EZE
JA5WIZ	SV1JFV	W3UL	YL3DQ	G3SVD
JH6WMJ	SV2AVP	W4VHF	YO6HOY	IW0HQE
K1RV	UN7TW	W5VX		JA2CXF
K2DC	VE3KI	W6TC	110	K2ONP
K2HAT	W2GW	W8GEX	BA4MY	K4RDU
K3MD	W6BK	W8HMK	DL1VDL	K5FZ
K3OSX	W8FAX	W9SE	EA5BYP	K5KA
K5CD	W9DX	WA8OLN	F5BAR	K5KPE

K6MW	R7LA	OK2BUZ	N3XM	KI5T
KE1F	RX6DX	OK3CQR	N8AID	KT2E
N1BZ	S57J	R0FA	NA5Z	KX2A
N2WLG	SM6AOU	RN4AA	NI5M	LZ1JZ
N7TY	UX7UN	RV6ARZ	NS3L	N2DPF
N8NN	UZ6LWZ	SP3BQD	OE5CSP	N4JI
ND4V	W2UB	SP6AXW	OH2OT	N4NW
NN4RR	W3NRJ	US5CB	OK1AYU	N4PL
NU4I	W4ZYT	VE3OI	OK2BVG	N4SC
NX7U	W7ACD	VK3NX	S57AL	N4VN
PY5CC	WA2ALY	W3KB	UR3CRO	N6NU
RW4UU	WA8MOA	W4MAY	UT7UU	N7DR
RW9QA	WB8BZK	W6TDX	UU5WW	ND3L
RX3AGD	WC1M	W8IW	V73AZ	ON7PQ
TG9NX	WC6DX	W8VK	VQ9SS	OZ4AAL
UB5ZAL	WD9EQU	W9CPV	W1CWU	PF7M
UT7KF	WW1WW	WA0RVK	W2EQ	PJ2/K8ND
VU2CPL	ZS2DL	WB6CJT	W2LE	PY2DS
W5WP		WB8ART	W2NO	R6YY
WB5TUF	107	WS1L	W3ICM	RA6AF
WN0L	4Z5LA	XE2YWH	W4IR	RD4WM
YV3AGT	DJ8ES	YL1XZ	W5JAY	SP5JXK
	DK3FB	ZL3RJ	W5KI	UA6LCN
	DL1QQ		W8OP	UR1RWX
108	DL2CHN	106	WA4MYO	UR2RGN
AI2Q	DL5XU	AA4FL	WA6TLA	VE1PZ
AL7R	DO4DXA	AE2U	YL2GN	VR2MY
DL6CNG	EA5AT	DJ6OZ	YU3EF	VY2ZM
ER1LW	EA7QW	DL2NOM		W1LE
G3VAO	FG8OJ	DL3JSW	105	W1LY
HB9BAT	G4AKY	DL6JZ	DF2PI	W1MRH
HB9FAN	G4RGK	EA3CCN	DF8AA	W4OWY
IK0PRG	I5IHE	HA8DZ	DJ3XD	W6FF
IZ0BTV	IT9XTP	IK0ZIO	DJ6KH	WQ5W
IZ2EWR	JA5EY	IW3GJF	DL4ZAB	YU1NR
JA2MOG	JA6OXT	JA1VLK	DL6XK	
JJ2PIK	JA8JTH	JA2MNB	DO1CTL	104
JK1MZT	JH9DRL	JE6IGP	ES1GO	9M2AX
K1EP	JR1BAS	JG3HBO	G3YUV	AD1C
K1XM	K0MD	JG5RVQ	HA8FW	AG4Q
K2CJ	K1TZQ	JH2KKW	JA1BWA	AH0U
K2KQ	K3SW	JH6PFY	JA1TAA	CP8HD
K2MK	K3YBN	JJ0NCC	JA4EVN	CX3CE
K4WY	K4MS	JR0EQQ	JA6VA	DK3BK
K4YJ	K4SAF	K0DEW	JA7BME	DL4FAP
K6UT	K8LBT	K1PX	JA8RRF	DL7UPN
K8OM	K8ZR	K4DSE	JA9APM	E73D
KM8AM	KB9DAK	K5AM	JF1RYU	EA8ZS
KN4JX	KE2R	K5ZQ	JF2VAX	EI9E
LU2DKT	KZ1W	K8JJC	JO4CFV	F6AJA
LZ3YY	N2RR	KD9HL	K1DJ	F8GB
N4MEC	N3DAP	KK8X	K2XF	G3BRD
N6RFM	N4RF	KK9H	K5AV	HB9CIP
N9SF	N6EE	KQ3F	K6DJ	HK3O
N9TF	N8AGU	N0JZ	K7OX	IK0DWN
NU4Y	NA5Q	N2CW	K7PO	JA1SDV
PA0ZH	OE1CP	N2SQW	K9RO	JA2FGL
R5FY				

JF1EGO	WA9ETW	RU3OW	KW4BY	EA1WX
JF6WTY	YC0LOW	SM3CBR	KY6R	EU1TT
JK1BSM	YO5ODE	SM6EHY	LA3ANA	G3ZFC
JO1W XO		SM7BHH	LA6UL	G4FJK
K0WK	103	UA3PFN	N5RZ	GM3WTA
K1BG	AG1I	US2WU	OH2EA	HB9NL
K3FM	AI3Q	UT2AB	OK1DTN	IV3GOW
K4KEW	DJ1MM	VA2ZO	OK1JDX	IV3KCB
K4MF	DJ3GZ	VA3IC	OK3CSQ	JA1VVX
K4VIG	DJ7PI	VE3EDY	PA7TWO	JA2VMU
K5HK	DL2HX	VE3MFA	PV8ABC	JA6TMU
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
RA1QX	K2UVV	EA8AKN	W4ALF	KD3UY
RU3UR	K4LQ	EI4DQ	W5TO	KE1VT
RZ6DX	K5JUC	EI6GF	W7IUV	KE4S
RZ6LB	K7BTW	ES5RW	WA0IDK	KF7NN
SM5CCE	K8CCV	F6BWO	WA1S	KN6J
SM7CQY	K9MUG	FM5WD	WD8DSB	KQ1F
SO5AS	K9XJ	HB9AHL	WS4Y	KS4XQ
UA9FGJ	KE1IU	I8LWL	WW5G	LA2GV
US5CAO	KJ4R	IT9SFT	YO2CMI	LZ1XZ
UT4EK	KJ7WY	IZ4MJP	YO2IS	N0STL
UT7EC	KM9E	JA0HXV		N2AJ
UX4UM	LX1DA	JA8OW	101	N5AQ
UY0MM	N0RU	K0YN	AA2VG	N8AG
VE3VHB	N1HOQ	K1PTF	AA3LX	N9JCS
W0YBS	N9BBQ	K2LP	AA4NU	NE1F
W1QA	NU1T	K2TK	AC2AC	NX2X
W3DRY	OH3GD	K3KG	AC5O	OA4TT
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W5ZO	R9GM	K7UA	DL1KS	OK3EY
W6PH	RA0FA	K8BHZ	DL3ANK	OK4MM
W7DR	RA4HT	KJ6NZ	DL5JS	ON4LG
WA0I	RK3QY	KN4KL	DM3ML	PA4WM

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RA4P	EI3ISB	N3AF	W4HHN
RA4SD	ES5NC	N4CRI	W4OEP
RB7GG	FM5GU	N4ZR	W4OV
RK9F	G0VXE	N7DED	W6WA
RY6M	G4CGG	N7TK	W7DT
SM2DMU	GM3ZSP	N8IL	W7JET
SM7NDX	I2VGW	N8NB	W8CNL
SP7JLH	IK0HFO	N8OQ	W8FN
SV1PL	IK4MSV	N9ADG	W8GDQ
UA0FDX	IK5ZUK	NA6O	WB4SON
UG6GAW	IS0/YO3RA	NB3R	WU2M
UR7CQ	IT9CVO	NG7A	YB1TJ
UT1CC	IW0BYL	NJ3I	YL2SM
UT4IS	JA1BRK	NN4SS	YO9FLD
UT7HA	JA1CPU	OE5JDL	ZP9MCE
VE2OJ	JA1ILA	OK1DXD	
VE3XB	JA4FSH	OK2PAZ	
VK2GR	JA5DQH	ON4ANN	
W1FC	JA9CGW	ON7EH	
W1GF	JE1PHH	ON7GB	
W2SF	JF3DRI	ON9CC	
W3WH	JS6TWW	OZ1ZD	
W4BUE	K0LB	PA0INA	
W4PM	K0XM	PA7RA	
W5RF	K1NA	R3PJN	
W7AV	K1NZ	R9JX	
W7CB	K2CBI	RA3SD	
W8GB	K2CYE	RA4LW	
W9MAF	K3TZV	RA6XB	
W9ZCL	K4FT	RC2A	
WA3EKL	K4KSY	RN1A	
WB3HLH	K4QS	RT5A	
WC4H	K4UQC	RU3GF	
WK9U	K7VIC	S53MJ	
WR2G	K8BZ	S59SV	
WV9L	K8CR	SM0CXU	
YO2OXD	K8CS	SV1VJ	
YO6BHN	K8LE	SV2DSJ	
YV4DYJ	K9NZ	TI5CDA	
	KA9UVY	UA3AKI	
100	KB0EL	UA4PAY	
9M6YBG	KC0V	UA6CEY	
A41ZZ	KC4D	UN6P	
AA4AK	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	
EA3ALD	N1MD	W1YRC	
EA8AXT	N2SG	W2CCC	