

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 22 May 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	RA7A RZ3AM SP2FAX	304 CT1EEB DJ0MDR SM3GSK	N1BUG OE1WEU SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	316 W2VO	310 I4AVG RA3CQ SM5BFJ SM6CVX	303 F5LGE GM0GAV JA1BK JA4LKB K1UO RU3DX YU1FW	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ SM5CEU
340 K1ZM	324 K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA K5RK N1DG OH3SR S50U W1JR	309 W5IZ		
339 W4DR W4ZV			308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM3YTS	297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS
335 OH2BU	323 EY8MM SP5EWY	314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK SV8JE	
334 N4WW	322 UX0UN W3UR				
333 R7LV	321 WB9Z	313 GM3POI OE3GCU OG2M OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR VA3EF	296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ
332 UR0MC	320 K8MFO SM4HCM W8UVZ	312 OH1MA S54E			
331 K5UR LZ2DF	319 N0XA SM4CAN	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 JA7NI K4ZW N4IS NN4T UA6A		295 K3UA SV8CS
330 AA1K HA0DU OH1XX UT7QF	318 4X4DK UT5UGR W9ZR				294 DL1AMQ JH2FXK LA5HE RJ3AA
329 K3UL UA4HBW				299 JA4DND K4TEA	

WD5COV	G3XTT N2QT RK4FD VA3DX W4PK	S59Z W4TO	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD	259 DF4PL F6GCP G3ZSS I1FQH R9FM
293 N0TB S58T		280 EA6NB SP6HEQ YO3APJ	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA4V AA6YQ AA7A K4XP RW0LT SV8BHN YO5BRZ	258 KW9A N2NL N5KD RN3CT VE3QAA
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			257 K1GUN N8TR W9YSX
291 9A7V 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 KX4R 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 SP6AEG UW2ZM	269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S SP5DIR	253 5B4AGN AA1QD K5ESW S58Q UA1OMS W0YG
287 CT1APE DL1RWN	281 DF2PY HB9BIN JA2PJC K1CP NJ6P	267 LU8DPM RZ3DX		260 EA5BM K1LT K4DY	

252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ 245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY 244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ 243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G 242 EA4KD KG7H SV8CKM 241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT	VE1YX VE3NH 240 G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA 239 JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK 238 DL8WN EA6ET IK0XEZ JA0DAI K1DG RA0FF VO1HP W3LL 237 DL7MAE NI0G OM4EX UR5EDX 236 AB4I AC4G K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK YO9HP	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN WA7NS 234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR NV9L PY1BVY S51DI 233 K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO 232 DJ5FI JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP 231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	230 DF6PB FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ WA7NB 229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T 228 AF9H AI0O E72A EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ 227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF WB6RSE 226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ	VE6WZ W0VTT 225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW 224 DL5WW IZ1LBG MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ 223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX 222 IV3JVJ K3SV K6EID K8ZTT N5AW N8PR N9BX SM0CCM 221 JA2WYN K4MWB K8FH
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K8SIX N6VR W1ZK W6JRY WS6X	N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	UY0ZG W0DD W0MHK W1NT W2IRT W3GG
220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	215 AD5A K3GJ N7JW RA1QD W0UO W2LK W6YI	211 EA1RT IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	206 IK0IOL JA3PIS K2VV K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW	202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR WA2HZO ZL3IX	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO N4DW W1TO YO2DFA
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		198 DL1ROJ G3UJE G4BUE IT9JNR KB8VAO RX3APM W8HB
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO KV7K UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA LA7JO NA2M* RU4SO W0LYI W1FJ W2WG W3YY	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K3LR K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP N4QS W5TCX	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS
217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ		200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US K9YY LA5YJ RW4NN RW7M	196 4Z4DX AA4HP IK4PLW IZ8FWN JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO RZ4FO
216 JA6LCJ JA9PPC K5EJ			203 JA2XYO		

W2FCR W4UM	K3FN K4FJ K5XX K7GM K9EU KF7PG N4DB OH2IS W3UA W3YQ W8LGJ	RM0F W6SR W8JV WA3C WA6YEE	183 CT3MD IT9INO K4CN K8VC N9MB NN2L ON6SAS W2FP W8NW	N2PK OK1MG S57UN SM4DDE SV3FUP W8KEN	JA9NLE JS3CTQ K4DLI K5GKC N7IR N7XR PE1L SP1MGM TF3SG VE3FF WX0V
195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	191 JA1ANR K0JGH K8FC K9LA RK2FWA	187 AJ1H K0SR K6SRZ KN5O N2NS OK1CZ SM0NJ0 W7AWA	182 DJ9ON DK3UA HK3W JA1SHE K8RRT UR3EO W1YM	178 4Z5CX EA3CJ JA4MRL K2UR LA0FA NE0U SM7DLK SV1JG W6NWS W7MEM ZS1LS	174 4Z5MU JA0GJJ JA1PPW JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K0TT K1KI K2KA K3AJ K4TR K4WS N1EN OE1WHC RN7F UA3LNM W8UV W8VVG WT8C
194 K4KDX K9JF KB9LIE KC9ARR LA7AFA W2LO W4FC WD8JJA WN6W	190 IZ8XQC JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH NE1B SP2LNW VE7VV WE9R XE2X	186 9A8A IK2QPR JA8DNV K0BJ K3PA K7LAY YL2TW	181 DK3WW JA3ENN JN4MMO K2EP LZ2ZG N3OC VE3OSZ W9AJ	177 9H1SP AE5E CT1GFK IK4ADE K3WC K4RG K9NU SM6DHU W2OR W5LT W7FI WB7B	
193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC K4ODL N5LZ N9EN PA0LOU RN1ON SM7GIB UA0CA W9MU WA2VYA	189 9A2F EA8PP FM5CD JA0VSH SP7HOV UA7T	185 AB6QM CT1EAV EA6BF G3KWK IK3SWB JA2LCP K5ZD LA3WAA N4TJ N5UR OE2BZL SP3FAR SV1DPI UA9CBO	180 DM2DXA DM3VL EA8JF JA2BDR JE2URF K6SSS K7BG LA9AJA N1RR N4AH ON5FP UT2UB W1RM W7BEM W8TN	176 EU1AB I6FLD JA0DET JA5IU JA6BJV JA8KSF JL1SAM K8MN N5OK OK1DWC RL3FA SM5FUG W4BP W4GD YO7NE	173 5B4ALJ I1JQJ JA9TWN K1NTR K4XR K9YC KA1J N5FG PY5EW W8HC
192 9A2NA CT1IUA JA7JWF JH1RFR	188 AA1ON AB4IQ CT1FMX JA1KQX K0BBC KB0EO KB1EFS KE9ET KL0S N8LJ	184 HA5WA I2AOX JA2ZL JF1NZW K4HGX K5KLA KB4ET S57AC US8UA W2YJ	179 CT1FPQ IT9ELD IW0SAF JR7BDQ K8WK	175 JA1CHN	172 EA7TV G0BLB G3NKC IZ5MOQ JA3FGJ

JG0CQK	W6RW	K4PB	162	159	156
JG3IWL	W7YAQ	K4ZUY	403A	JA4FKX	AB9V
K0DEQ	WA9PIE	OH2BLD	9A4W	JH6QFJ	DL4MM
K1BD	WB3JFS	RM3DA	F3AT	K4RO	IZ8IEV
K6FG		W0DJC	JA6GIJ	OK2ZV	JO7HAM
KJ0M	168	W1RR	JR5JAQ	UN7JX	K0QC
W3JX	G3MXJ	W8ILC	LB6KC	W3HKK	K8YSE
W4FQT	IK2EGL	WA8TXT	N8MR	W6BJH	KS1J
WC4X	JE7JDL		RW3RN	W7SX	N3RC
	JF2UPM	165	W0HT	WD5BJT	N3UA
171	K5QY	DL7UCX	W0TT		N7WS
AA9D	K8RYU	F6HDH	W1LW	158	OE5RLM
DL6KR	KR4F	I2ZGC	W8WEJ	DJ4PT	UA3SAQ
G0EHO	N4QQ	IK0AGU		DL1FKA	VA3LX
HA9PP	N8BJQ	JE7RJS	161	IT9DSZ	W1YIF
JA6HUG	PA7F	JH7CFX	DK2GZ	JA9APS	W4TV
JR1TNE	SP5GH	K5JZ	DL6RAI	JH1TWT	
K1NU	W4SVO	KK4CB	HB9DHK	J11FXS	155
LA5LJA	W6VX	N4HB	HB9TKS	J11NJC	DL1RK
N0RN	W8OI	N9FN	JA1DOF	JR1GJP	DL4SZB
N4OGW	WA0MHJ	NY0V	JH4ALY	K5TT	JE3GRQ
N7RO	WA5YNB	RC9F	JH4CPC	K9GA	K2LS
N9RC		SM4CTT	K1USA	OZ1HX	K4WA
RA3DNC	167	SP6EQZ	K5GO	RU6M	NE0DX
SV1LK	DK5AD	W5BN	K8ND	SM4EMO	NW7E
UN9L	EC3A		LB2TB	W0SZ	SM6VR
	EI6FR	164	N4GN	W1OX	WE1P
170	JA6VQA	GU4YOX	OH6RA	W2XL	ZS6EZ
DJ6TK	K4XD	HA7UW	VK3HJ	W3GQ	
JA6JPS	K6KO	HB9BZA	YU2TW	W4QN	154
JE3ENP	K8NK	JA1RTX			3V8SF
JF1WPB	K9MBQ	JA7ZP	160	157	GM3PPE
JM1GYQ	N0IJ	JH2SON	AD5Q	AA4H	HB9BUN
K6ZZ	N3BNA	K1NJ	DK1WB	AC6DD	JA8NFV
KI5BLU	PA3C	N5WA	DL1DA	DL6MRS	JR3OEH
N4PY	RA1AOB	RA3ZH	IK0FUX	EA5BY	K0KVR
SP3GTS	RN9N	RN3OG	IW2FND	G3TQZ	NX8Y
SV3KH	S51EC	SV2AEL	IZ4DPV	G4GIR	W1NA
W3IP	VE6WQ	W4DKS	JA2EPW	JA1GHH	W2XI
W9EVI	W1YW	W4NS*	JE2OVG	JE2DZC	W5DNT
WA3AFS	WA4LOX		JF2XGF	JH2QMT	WB0TEV
WP4U	WC5N	163	JR7MAZ	JH7IAJ	WS7L
		9A2JK	K3MSB	LY5A	YS1RR
169	166	DJ9HX	NR4M	N5MOA	
IK0PEA	4Z1UF	JE2LUN	RU6L	NE9Z	153
JA1ADT	DJ4SO	K7NN	UA0FZ	RU4UR	AA6AA
JE2LPC	HB9FMN	K8TL	UX5UO	SM3PHM	AJ9C
JR1IZM	IV3TDM	UR4CWQ	W1BR	SV8ZS	DL3ZA
K1LI	JA1FNA	VE3CFK	W5XC	W2TA	G3TJW
N4XX	JA9LJS	W7AL	W9RN	W5GZ	HL2CFY
N7US	K1KA	WW3S	WX0B	YV2IF	JF1IRW
UT8MM	K3KY				JR9OPJ
UY5AA	K4JLD				K7SP

K8VFB	WP4G	N2WB	SM3DTR	KK1W	W8LWU
KR2Q		NE3F		LA9VFA	WO2T
N4TV	150	W5FKX	144	MM0SAJ	YL2MU
N5TW	EA1AF	W9JJB	CU3EQ	N7QT	YO9FNP
N8II	IV3RAV		DL5CW	NA4D	
R9OK	JA2NQG	147	DL5KUA	NQ7R	139
SM6CLU	K0RS	EA3GP	E70T	NY2NY	DF7EE
SP5CCC	K5TR	F5PAC	EI6IZ	OK1DO	DJ4XA
UT5UY	K7LV	IV3VBM	GM3ITN	W2OO	DL5EBE
WB8BPU	K8AJS	JA1XQC	HB9BYQ	W5LUA	DL8OH
	KD0PO	K7HP	I5MXX	W5VQ	JA1TMG
152	KU4XO	K8UT	IT9GSF	WA5POK	JH0BQX
EW2A	N3QE	KM1H	IV3DXW	WB8CQV	J11DCW
HB0CC	N9CO	N1IBM	IZ4GWE		K3ANS
JT1CO	OE8SPW	PC3T	JA3GN	141	K6AM
KQ4AV	SQ5EBM	W1OP	JE1FQV	AC9S	K8GI
KS3F	SV1CNS	W2KKZ	K0VSH	DL5MHQ	K8RF
N9OY	UA6YW		N1IX	EW1BA	KA8SYV
S55ZZ	W6DAO	146	N3KK	HB9FMT	KU0A
UA6IGI	W7CT	EU4A	SM4OLL	JA1PTJ	LA8WG
UN7LZ	WW2DX	G4FTC	SM5CLE	JA2ATE	OK1MP*
UT5AB		JA1HQG	W4GE	JA9RRH	OK2QA
VE6LB	149	JA4DHN	W5ADD	JH1HHC	SM5CBM
W1SKU	DL7CX	JA5XAE	W7ZI	JL1UXH	SV8ZC
W1VT	HB9HFN	JH1GNU	W8RLS	K2RW	W0SD
W6RLL	IK4FNF	K1CA	WC5M	N8OC	WA8WV
W7AJ	JA1SVP	K5KV	WD5T	NJ3K	
WB3CQM	JL1ARF	K5SM	YO3CD	OE6VIE	138
	K3RA	K6NR		SV3FUO	DK8MCT
151	K3TN	K7WP	143	W2CG	DK8YY
AA7G	K4YYL	N7BT	DL1DUO	W3BW	EI9FBB
CU2AP	K8ME	RU0SN	DL6EN	W4JVN	F6DDR
DK2OY	K8ROX	W1IZL	HS0ZEE	W4VIC	IK8EPC
EI9JF	K9MK	W1ZT	K7CMZ	W4WT	JA3OOK
F3SG	R8TX		K7CW	W8HW	JF3LOP
HB9SLO	SM6CUK	145	KJ9C	ZS1C	JH7RXU
IZ3ENH	UW7UA	AF4HX	N2RJ		K1RO
JA2VQF	W0GG	HI3T	N2WM	140	K2RET
JA6BEE	W2/CT1GIF	I0JBL	N5UW	9A1CAL	KJ6P
JH1NYM	W7HPW	JE6TSP	N6PAT	DF2RG	LB5WB
JR1XIS	WB8B	JJ3HGJ	N6PSE	JR2LJO	ON6AA
K2AX	WD5K	JK1AJX	NN4R	K5WK	OZ8X
K2FW	WS5W	JN1BMX	W0IZ	K6KLY	RW4CY
N5JB	YO3DDZ	K1OA	W6QUV	KF8DX	UN7JID
OK1ATP		K3VAT	WB8ZRV	N4XP	V51B
RD3A	148	K4OY	WD9DZV	OH6NIO	W1GD
RU3A	CT1FCX	K8BL		ON7DR	W2YE
S54A	DK2CC	KF6HI	142	UN1L	W4YV
SP7AWG	F5CQ	N1CGP	I5HOR	VE6SV	W7OM
SV9AHZ	F5LVL	N4GG	IT9BLB	W0SEI	
W7RH	JH1QDB	N5XZ	JR7WFC	W4NU	137
WA1Z	K5VWW	NA5C	K3PP	W7IV	DS1JFY
WA2BCK	LA6OP	RT0F	K4WZ	W8GNM	EA1YO

GM3YOR	RN3RQ	132	130	K3XA	JA7KY
IZ0RVI	SM3LGO	AA4NC	DF9ZW	K4JAF	JH3CUL
IZ2FOS	SM5CZK	AB9M	E73M	K4SE	JJ1DWT
JA3APU	SP3XR	AD6W	EI2JD	K6LPO	JN1RQV
JA4OK	W1DIG	IT9RDG	G7VJR	KG7CW	K2ZD
JH4JNG	W1EQ	JA2KVD	HK0HEU	N5KM	K4JKB
K2QMF	W2GD	JA6CBG	JA2FBC	OH1ZK	K4XU
K6EME	W4BUW	JR6FC	JG1DUZ	OZ1IKY	LB7ZG
K8NS	W4MBD	K6YUI	K2MYR	R9SG	N8NA
LA9GX	W4RFZ	K9ZM	K3NK	S53X	OK3CQD
RA3CO	W6JTI	N6HY	K6SIK	S55DX	PA3EWP
RG7G	WE4S	ON4CAS	K7LFY	SM3GQP	PA5TT
UU1JA		OZ2RH	K8BCK	SV3DCX	VE3CX
W1ITU	134	SM4BZH	K9GL	VQ9LA	VE7BV
W5ODD	CT3HF	SM6BGG	NA4EA	W2WC	W8MK
WB5JID	IK4DCS	SP6M	NO9E	W4IS	W8REW
	JA7LGE	VE3CRG	OZ2ABI	W6RKC	W9ILY
136	K1TO	W4AXL	PY5EG	ZS1A	WB0O
E72U	K3OX	W4RBO	R3VA	ZS6UT	WB2REM
ER0FEO	KX4TT	W4WM	R5QA		WD4LBR
HB9IQB	N9MR*	W5SL	R9AB	127	XE1KK
HB9RYZ	N9RS	W6DR	RU1AO	CT3KN	YU1EXY
IK8CNT	NA5DX	W7AH	SP6JIU	HK1MW	
JH4HMG	OE1TKW	W7CD	TA1CM	JA1DDH	125
K0TV	PY5HOT	W9FR	VE3DO	JA1WLO	9A1AD
K4ZO	RG6G	WB3D	W2MPK	JA8RJE	AG1A
K7TM	RX4HW	XE2S	W9ZT	JA9KRO	GW3TMP
KR6C	SM0BYD			JH3AIU	HK4SAN
N2ZN	SV5DKL	131	129	JS2LHI	IK5DNF
OK1DW	UA0ACG	DK7YY	HA1RB	K0RW	JA4IYL
SM5OJH	W4JKC	G3UHU	HB9AZZ	K3TRM	JA6VU
SP2BMX	YU1AM	HS1NGR	JA1NWD	KM3T	JE1TSD
UT3UZ		IV3KFB	JA8JO	KM4NS	JE6UWU
UW8SM	133	JA0AOO	J14POR	N1AC	JF2WXS
W2OIB	9K2NO	JA2TBS	K4TT	N1GC	JH4ADK
WB7QXU	EU1U	JJ1TEA	K6XM	OE8HIK	JL1RUC
	HB9CQK	JM1FHL	N0YY	S51NM	K1HAP
135	IZ8DFO	K1UU	N3KS	SK7AX	K5KG
5B4MF	JA7GLB	K5VIP	N3RR	SP6A	K8DV
DJ9ZB	JA9AGN	KC2LSD	W0YVA	SP7ASZ	KA6BIM
F6FXU	JR7FRW	KH2L	W7QHE	W0CP	KI4WCQ
IK8GYS	K1ZN	KM3V	W8MET	W0RT	LZ1XL
IU0HDC	K2CDJ	KM4H		W1OPD	N2KA
JA7LMZ	KS4YT	N3MK	128	W3BG	N3EN
JA8BNP	KU2A	N4QWZ	AA4SC	W3MF	N4JT
JA8JL	OE1KM	N5PHT	DM2RM		N9RD
K1ZE	RA5BM	N6RK	IT9ZZO	126	ND5S
K4ZRJ	RV4LC	ON4ON	JA2AHH	DJ8WD	NW6S
K7FL	UQ2PZ	R0SR	JA2KSP	DL9FCY	OE1AZS
K7XB	VE3WT	R9MJ	JA9AA	F8BPN	OE3SGU
NZ9R	W0NFL	R9SA	JE1LFX	G4IUF	RA0BA
OH1JP	W2QO	W8DCH	JH4GJR	IZ7EVZ	UU7JM
R7LP	W5AJ		K0FF	JA1XCZ	VE3UTT

W5DAW	W1AO	W9XX	EW4M	VK4CAG	IK2OHG
W8LMG	W4NF	W9YE	G4DJJ	W1KSZ	IT9TQH
W9CG*	W8NJR	WA1PMA	HB9AAQ	W4DAO	IV3HYD
YO2RR	WB8K	WY1G	HB9BCI	W4NJ	JA1WTI
124	WV4TN	XE1VIC	I2TZK	W5JMW	K1DC
AA7XT	XE1H	120	I4MKN	W9FI	K1RI
IK3VBB	122	9A5F	IU0LFQ	YO4AUL	K9FN
J11DHY	BA4RF	AC9EM	JA3AZD	117	KT1V
KD4POJ	G3NDC	AL7TC	JA4XGC	9Y4VU	KV1J
NA2U	JA1MRM	DL2VWR	JE2JMV	AE0P	NA9Q
PA0TCA	JH1AGU	EI2GLB	JH6CDI	BH4IGO	PA0JSE
UA0BA	K1ESE	FG5FR	K5UZ	DL1DWT	RV3ID
VA7CRZ	K1YT	HB9BLQ	K7EG	G3PLP	TZ4AM
VE1DUN	K2MP	IZ0LKV	K8KWT	IT9AAI	UA4PCM
W2JU	K7ZA	IZ5NFD	K9SG	IT9DAA	W1ENE
W2RIJ	KR0P	JR3UIC	N0KV	JA1HQT	W1WEF
W3FM	LA7WCA	JR6LLN	N8PW	JA4FM	W7GG
W6CYX	LA8PT	K2BA	N9UA	JA7GYP	W7OEV
123	N9AW	K2HK	NT2A	JA7IC	W8LRO
AB1OC	NN7X	K3QIA	NY7T	JM3GXU	WP3R
AC4TO	OZ3Y	K5JC	OH5NG	JR2UBS	WQ5L
DL7JRD	RD4A	K6FW	OK1DT	K1BZ	115
F4GTB	UU4JMG	KA8ZPE	R6FFB	K2BB	AA5JF
G4WFQ	VE6AX	N3NR	SV1ACK	K6PJ	C6AGU
G5LP	W2TB	N4BAF	W0RX	K8OOK	CU2CE
HB0WR	WA3I	N4LR	W4HZ	K8QM	DL9GOA
IK2CHZ	WA7BNG	N4TB	W8FIB	N2BJ	G4XEE
IK3XJP	121	N4TL	XE1RCS	N4IR	G8BCG
JA0CRG	AA6RR	N4UFP	118	N6MB	G8DX
JA1SJV	DF1DB	OE3EVA	5T5PA	N8AA	HA5UK
JA3MHA	DK1EI	OZ2A	AB2E	N8XI	HK3PJ
JA6WJL	DK6CQ	PZ5RA	DL5OCE	NY4G	IZ7JVR
JK1EXO	HB9DHG	RL3BZ	JA4FHE	SM7BIC	JA2KNW
JR1EBE	IK2SGB	SP7ITB	J18DGO	SP8HKT	JA3NHL
K2PK	JA2HYD	SV1IW	K3FRK	UA6J	JA5FDJ
K3XO	J14WAO	UR5IKN	K3WGR	UB3A	JG3LGD
K4ZIN	KD8RQE	UR9QQ	K4CNW	UR9IDX	JH1RFM
K5GH	KG9Z	US0YA	K7PI	US1CT	K0GD
K7UT	N0OK	W2YR	K8LN	VE3YF	K0SD
K9CS	N1JP	W3OA	K8WVA	W4ZRZ	K4CMS
KV4T	N3ND	W4PRO	K9DR	W6SL	K4GHS
N2ED	N6HC	W6RFL	KD2T	W8ZR	K4GK
N4DWK	SV1AHX	W7RN	KD6UO	WA2USA	K5XM
N6MZ	UQ1GWW	WT4Q	KG8CW	WC2K	K8YTO
N9JV	UT4EO	ZL4AS	KV4AA	116	KO8SCA
N9LQ	UU2JQ	119	LZ2HM	AA8CH	LY4T
NA2P	VA3AYA	AA3AZ	N2MM	AJ4F	N0IRM
NA9RB	W0QQ	AA4DD	N4DJ	DL7URH	N4OA
S50B	W2GG	AE3T	PY2PA	EA5BRE	N5BO
UA3DK	W3RJW	AJ4A	RN3TT	HA7PF	N8KOL
UT3QU	W6XI	DK3GG	SV9COL	IK0EIE	PA3AXU
			TA2RC		RZ6MJ

UA1ANA	HB9EFK	G3XGC	F6ECI	IZ0CKJ	K6MW
UA1CGS	JA0GCI	HB9CEX	G4DBN	JA7EPO	KE1F
UA6XT	JA1OVD	HB9CRV	HL3GOB	JE2UFF	KZ5DX
UN6T	JA4ITW	HB9G	JA1AUD	JH1VHU	N1BZ
W4UCK	JH1ORA	IK2ANI	JA1FGB	K1EO	N2WLG
YL2CZ	JH3GCN	IU8FRE	JA1NCZ	K2BLA	N7TY
114	K0TPP	IZ4DIW	JE2EHP	K3JRR	N8NN
BA4DW	K2HAT	JA1SXR	JE8TGI	K3PH	ND4V
BA7IO	K8SL	JA4BXL	JF2WGN	K4WW	NN4RR
CT3FN	K9GWH	JA7BXS	K5WAF	K6MI	NU4I
CU3AK	KA4RRU	JR7TEQ	K7ORK	K6VKO	NX7U
DL6NB	KH6DX	K0JPL	K9AJ	KB4MRX	PY5CC
F6CWA	KI0G	K1EDG	KM1R	KC2STA	RW4UU
G3SDL	KT1J	K1KO	KZ0X	LZ1PM	RW9QA
HP3TA	N7KO	K4UAS	LA0CX	N2CG	RX3AGD
I5OYY	N9ISN	K8CC	N4WJ	N3HBX	TG9NX
IK7YZG	NA3F	KB2FCV	N7BD	N3IQ	UB5ZAL
IW0HEX	NG0G	KI4DLS	N9HF	N3JB	UT7KF
JA4KDT	NI5F	KM1C	NA1DX	N4KE	VU2CPL
JA5WIZ	NK5B	LA8HGA	UR6QA	NC6K	W5WP
JH6WMJ	ON5UE	N5ZC	UT1UY	NK7C	WB5TUF
K1RV	R7NA	N6MA	VE6KC	NY4I	WN0L
K2DC	RA4UN	N6PE	VE7CT	OZ1LCG	YV3AGT
K3MD	RZ3AUL	RU4SU	VE7UF	RD9M	108
K3NF	SM5ARL	SM3DMP	W0VHF	SM5BHW	AI2Q
K3OSX	SP3EPG	UA1ACG	W1FO	SP9WZS	AL7R
K5CD	SV1FKZ	UA1CEI	W3FOX	SV1VS	DL6CNG
K5RJ	SV1JFV	UT6UD	W4HOG	UA3O	ER1LW
KB8U	SV2AVP	VE7XF	W4OX	US7MM	G3VAO
KZ4V	UN7TW	W1HEO	W5AQ	W0UY	HB9BAT
N1QY	VE3KI	W2CVW	W7VS	W3XY	HB9FAN
N2JJ	W2GW	W2SKI	W8KA	W4DC	IK0PRG
N3MN	W6BK	W3MR	W8MIL	W4NE	IZ0BTV
N4IQ	W8FAX	W3UL	W9RB	W5ZPA	IZ2EWR
NU8Z	W9DX	W4VHF	WA2BOT	W6KK	JA2MOG
UA3FT	W9HBH	W5VX	WA2MUA	WL7E	JJ2PIK
W0VX	W9VNE	W6TC	WB4TDH	XE1FAS	JK1MZT
W4TUN	WA4DOU	W8GEX	WB9EEE	YU7AU	K1EP
W5VY	WB2HJV	W8HMK	YL3DQ	ZL3NW	K1XM
WA1FCN	WB2UFF	W9SE	YO6HOY	109	K2CJ
WA8MCD	WS4C	WA8OLN	110	DF1KG	K2KQ
WA9YYY	WX3P	WT9U	BA4MY	EA3GHZ	K2MK
WN9O	XE1RBV	ZP6CW	DG7RO	EU4T	K4WY
XE3ARV	ZL1BYZ	111	DL1VDL	F8EZE	K4YJ
113	112	AA4U	EA5BYP	G3SVD	K6UT
9A1A	A92IO	AB4GE	F5BAR	J68HZ	K8OM
DJ5DT	DJ1RL	AF4OX	G3LNS	JA2CXF	KM8AM
DJ9RR	DK5RL	CU3AN	G8AJM	K2ONP	KN4JX
DL8CM	DL5CL	DK2WH	HC1BI	K4RDU	LU2DKT
DL8DYL	EA1JO	DK6ED	I2BBJ	K5FZ	N4MEC
G4AFJ	EI8IU	DL1HRN	IK5RUN	K5KA	N6RFM
	EW1DO	EV1R	IK8UHA	K5KPE	N9TF

NU4Y	NA5Q	KK9H	JO4CFV	DL7UPN	UT7EC
PA0ZH	OE1CP	KP4AA	JR1BAS	E73D	UX4UM
R5FY	OK2BUZ	KQ3F	K1DJ	EA8ZS	UY0MM
R7LA	OK3CQR	N0JZ	K2XF	EI9E	VE3VHB
RX6DX	R0FA	N2CW	K4MS	F6AJA	W0YBS
S57J	RN4AA	N2SQW	K5AV	F8GB	W1QA
SM6AOU	RV6ARZ	N3XM	K7OX	G3BRD	W3DRY
UX7UN	SP3BQD	N8AID	K7PO	HB9CIP	W3TMZ
UZ6LWZ	SP6AXW	NA5Z	K9RO	HK3O	W5CWQ
W2UB	US5CB	NI5M	KI5T	IK0DWN	W5GJ
W3NRJ	VE3OI	NS3L	KT2E	JA1SDV	W5ZO
W4ZYT	VK3NX	OE5CSP	KX2A	JA2FGL	W6PH
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WA2ALY	W6TDX	OK1AYU	N2DPF	JF6WTY	WA0I
WA4CEM	W8IW	OK2BVG	N4JI	JK1BSM	WA0RVK
WA8MOA	W8VK	S57AL	N4NW	JO1WXO	WA9ETW
WB8BZK	W9CPV	UR3CRO	N4PL	K0WK	YC0LOW
WC1M	WB6CJT	UT7UU	N4SC	K1BG	YO5ODE
WC6DX	WB8ART	UU5WW	N4VN	K3FM	
WD9EQU	WS1L	V73AZ	N6NU	K4KEW	103
WW1WW	XE2YWH	VQ9SS	ON7PQ	K4MF	AG1I
	YL1XZ	W1CWU	OZ4AAL	K4VIG	AI3Q
107	ZL3RJ	W2EQ	PF7M	K5HK	DJ1MM
4Z5LA		W2LE	PJ2/K8ND	K6UM	DJ3GZ
DJ8ES	106	W2NO	PY2DS	K7TJR	DJ7PI
DK3FB	AA4FL	W3ICM	R6YY	K9EA	DL2HX
DL2CHN	AE2U	W4IR	RA6AF	KA2BZS	DL8YRM
DL5XU	DJ6OZ	W5JAY	RD4WM	KH6KG/W5	DM5TI
DO4DXA	DL1QQ	W8OP	SP5JXK	KI0KB	DS3HWS
EA5AT	DL2NOM	WA4MYO	UA6LCN	KW0A	EA7SG
EA7QW	DL3JSW	WA6TLA	UR1RWX	LZ2XF	EU6MM
FG8OJ	DL6JZ	YL2GN	UR2RGN	N3ER	EW3LB
G4AKY	EA3CCN	YU3EF	VE1PZ	N3TR	G3BDQ
G4RGK	HA8DZ		VR2MY	N4GU	G4AAW
HI8R	IK0ZIO	105	VY2ZM	N4TTE	G4PUQ
I5IHE	IW3GJF	DF2PI	W1LE	N6PF	G4VGO
IT9XTP	JA1VLK	DF8AA	W1LY	N6WM	I0OSI
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JA8JTH	JE6IGP	DJ6KH	W5KI	N9DR	JA2OLJ
JH9DRL	JG3HBO	DL4ZAB	W6FF	N9PGG	JA3FHL
K0MD	JG5RVQ	DL6XK	WQ5W	ND3L	JA8EJO
K3SW	JH2KKW	DO1CTL	YU1NR	NJ9C	JH1DGQ
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K8LBT	JJ0NCC	G3YUV	104	RA1QX	K0EOO
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KE2R	K1PX	JA1TAA	AD1C	RZ6LB	K5JUC
KZ1W	K4DSE	JA4EVN	AG4Q	SM5CCE	K7BTW
N2RR	K4SAF	JA6VA	AH0U	SM7CQY	K8CCV
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N4RF	K5ZQ	JA8RRF	CX3CE	UA9FGJ	K9XJ
N6EE	K8JJC	JA9APM	DK3BK	US5CAO	KE1IU
N8AGU	KK8X	JF1RYU	DL4FAP	UT4EK	KJ4R

KJ7WY	F6BWO	W2LW	K7AR	W1FC	JA4FSH
KM9E	FM5WD	W2TX	K7IA	W1GF	JA5DQH
LX1DA	HB9AHL	W3EKT	K8BN	W2SF	JA9CGW
N0RU	I8LWL	W4ALF	K9JU	W3WH	JF3DRI
N1HOQ	IT9SFT	W5TO	K9PG	W4BUE	JH7BKN
N9BBQ	IZ4MJP	W7IUUV	KC4PX	W4PM	JS6TWW
N9SF	JA0HXV	WA0IDK	KD3UY	W7AV	K0FLY
OH3GD	JA1JAT	WA1S	KE1VT	W7CB	K0LB
OH4UI	JA6OXT	WD8DSB	KE4S	W8GB	K0XM
OK1DQT	JA8OW	WS4Y	KF7NN	W9MAF	K1NA
OK2BQU	K0YN	WW5G	KN6J	W9ZCL	K1NZ
OK3BRK	K1PTF	YO2IS	KQ1F	WA3EKL	K1TZQ
OZ7JZ	K2LP		KS4XQ	WB3HLH	K2CBI
PA0GMM	K2TK	101	LA2GV	WC4H	K2CYE
R9GM	K3KG	AA2VG	LA6UL	WK9U	K3TZV
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RK3QY	K5ZO	AC2AC	N2AJ	YO2OXD	K4QS
RU3OW	K6DJ	AC5O	N5AQ	YO6BHN	K4UQC
SM3CBR	K7BHM	CT1JGA	N8AG	YV4DYJ	K7VIC
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SM7BHH	K8BHZ	DH2FW	NE1F	100	K8CR
UA3PFN	KJ6NZ	DK9WI	NX2X	9M6YBG	K8CS
US2WU	KN4KL	DL1KS	OA4TT	A41ZZ	K8LE
UT2AB	KW4BY	DL3ANK	OE3WQB	AA4AK	K9NZ
VA2ZO	KY6R	DL5JS	OH3TY	AB4VV	KB0EL
VA3IC	LA3ANA	DM3ML	OK1PGF	AC4VM	KC0V
VE3EDY	N5RZ	EA1WX	OK2BOB	AI2S	KC4D
VE3MFA	NZ3M	EU1TT	OK3EY	DJ6OI	KC5LT
VE3VV	OH2EA	G3ZFC	OK4MM	DL1TPY	KD8BZY
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W5VU	R2AB	JA2VMU	RB7GG	EA8AXT	LZ3YY
W6SZN	R3IS	JA6TMU	RK9F	EC5A	MM0SJH
YO7APA	RU3UN	JA7SFD	RY6M	ES5NC	N0AH
	S59DJK	JE1SYN	SM2DMU	FM5GU	N0ATQ
102	SM6WET	JF1RPZ	SM7NDX	G0VXE	N1KI
A6/RV6LNA	SP5MXZ	JH3HGH	SP7JLH	G3OIL	N1MD
CT4BD	T77V	JH3PRR	SV1PL	G4CGG	N2SG
DK3QM	UA1AIR	JI3KDH	UA0FDX	GM3ZSP	N2XQM
DL3DXX	UA1CKC	K0LW	UG6GAW	I2VGW	N3AF
DL3NCR	UA6HOF	K1YR	UR7CQ	IK0HFO	N4CRI
DL4CW	UA9MR	K2BX	UT1CC	IK4MSV	N4ZR
DL4KUG	UA9UCO	K2TER	UT4IS	IS0/YO3RA	N7DED
DL5RDI	UW7CN	K3SEW	UT7HA	IW0BYL	N7TK
EA8AKN	VE2FYR	K4NNX	VE2OJ	IW0HQE	N8IL
EI4DQ	W0JMP	K5DNL	VE3XB	JA1BRK	N8NB
EI6GF	W1MRH	K6AAW	VK2GR	JA1CPU	N8OQ
ES5RW	W1PV	K6XJ	W1AW	JA1ILA	N9ADG

NA6O	W7DT
NB3R	W7JET
NG7A	W8CNL
NJ3I	W8FN
NN4SS	W8GDQ
NU1T	WB4SON
OE5JDL	WU2M
OK1DXD	WV9L
OK2PAZ	YB1TJ
ON4ANN	YL2SM
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	