

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 05 Mar 2024, 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	325 K9UWA ON4UN* UA2FF	316 W2VO	KJ9I SM5BFJ SP2FAX	NN4T UA6A	SV1FJA UX1UA W7UT
341 EA8AK	324 K2TQC OH2BO W1NG	315 IK4WMA OH3SR S50U W1JR	309 UT5UGR W3GH*	303 DJ0MDR F5LGE JA1BK JA4LKB K1UO K9QVB* SM3GSK YU1FW	298 9A2AJ IK2DFZ JA4DND OZ3PZ SM5CEU
340 K1ZM	323 SP5EWY	314 IK4GME K5RK N1DG NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IV3PRK K8GG SM6CVX W5IZ	302 CT1EEB DL4MCF GM0GAV GM3YTS	297 DK5PR OE6IMD OM2XW RA3DX SV8JE W0CD*
339 W4DR W4ZV	322 K4PI UX0UN W3UR	313 4X4DK GM3POI OE3GCU OZ7YY	307 DJ7MI IK4MGP K4SV OH5VT RZ3AM UT3UA VE3EJ	301 DL9KR N1RJ N3XX S54E	296 DF2UU DJ2BW* F5NTV G0JHC G4PWA N4CC OE1WEU ON5NT W0FLS W1JZ
334 N4WW OH2BU VE1ZZ*	321 K5NA* S50A	312 OH1MA	306 K4CIA N4RJ SM0AJU WT3Q	300 F6BKI G3KMA I2ZFD LZ2JE PA3FQA RC3FL SM3EVR VA3EF	295 K3UA
333 R7LV	320 EY8MM SM4HCM W8UVZ WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A	305 EA6SX JA7NI K4ZW N4IS RW3PZ*	299 K4TEA N1BUG SP3EPK	294 JH2FXK LA5HE RJ3AA
332 UR0MC	319 K8MFO N0XA SM4CAN	310 I4AVG	304 N4JJ*		
330 AA1K HA0DU K5UR LZ2DF OH1XX UT7QF	318 W9ZR				
329 K3UL UA4HBW	317 I4EAT* W3LPL				
328 R4GM UA4CC					

293 DL1AMQ KV4FZ*	K0KX N2QT VA3DX W4PK WD5COV	S59Z W2YC W4TO	274 G3TXF IK4CIE K1ZZ SP6AEG	267 K6ND LU8DPM RZ3DX	259 DF4PL EA5BM F6GCP I1FQH IK2YCW N3NT R9FM SP5DIR
292 G4BWP JA2JPA OZ1BTE R7FK* S58T SM5AQD SV1AOZ W3YX W8TOP	286 IK1GPG JR2KDN K3SX N3SL N8DX PA0WRS UT7UW W8AV	280 EA6NB SM4DHF SP6HEQ	273 F5NBU IK8HJC K2CL K5BG KF2O MD0CCE RA3DA SM6CCO UA3DPM UX1AA W6UB	266 LA3MHA NR1R R3LA W8TE W8XD	258 KW9A KX4R RN3CT SP1S VE3QAA
291 9A7V DF3GY JA4LXY JH4UYB KD9SV R7NW SP3E UA3LAR	285 G3XTT SP3IBS	278 DK0EE F6BEE JR7VHZ K5DU KG4W NJ6P UR5WA	272 9A2EU CT1EKY DL1DUL DL2OE JA8ISU	265 AA1V AA4V AA7A G4OBK K8PT RW0LT	257 EI7BA IK5HHA K1GUN SV8BHN W9YSX
290 N0TB SM3NRY SM6CMU SV8CS UA3AKO UT7UJ	284 UA3AB	277 AA4MM DJ9VA F6AOJ IK5BAF JA3FYC SM6CNN	271 EU7A G4GED HB9AMO OZ1CTK SP6CIK	264 AA6YQ W1GL YO5BRZ	256 9A5CY JA5BZL K1QX K5VRX K8FL N5KD N8TR PA7MM W1TSP
289 I5NPH IZ0AEG JA3ONB RX4HZ US4EX W5ZN	282 DL1YD I0WDX JH4IFF K8KS N2LT N4KG* SM6CTQ SP3DV UY5ZZ W0BV	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ	270 OE5KE SM5KNV	263 IZ1ANU K9OW W2SM W3AP	255 G3ZSS K4QL KY7M N2MF UX0FF W3DF W5OZI
288 PA3GCV RA3CQ RY9C SL0ZG SP7VC UA4LY W0JX WK3N	281 CT1APE DF2PY JA2PJC JA5EXW K1CP K4SO K5XI K9CT	275 9A1CCY K2UO K4IQJ OH3BU ON7TK SP5CJQ SP9DWT US5WE UW2ZM VE2TZT W2OKM* YO3APJ	269 I2AOX IK6DLK JA5AUC RV3LO W1ZC	262 G0DQS K4UEE* K4XP K7ZV KR9U UX4UA* W1YY	254 JH1GZE N0AT OM3DX WA4FFW
287 DL1RWN			268 DL5DSM G3WPH KD5M RA3XDX RK4FD SM5DJZ* W1MK	260 K1LT K4DY	253 5B4AGN K5ESW

RU3FM	R7IA	OE2LCM	OK2ZI	N7NG	UT5JAJ
S58Q	WB3AVN	OK1DWJ	OZ4O	OK1CF	VE3DZ
SP9FKQ*		SP5GRM	SP8AJK	ON4ACG	W1TC
UA1OMS	246	UA3TT	YO9HP	S51DI	225
W0YG	DJ2TI	VE1YX		W9IXX	A45XR
252	K0IEA	VE3NH	235		EA6ET
EA1DR	N6TR		CX6VM	230	IW1ARB
JF2MBF	TF4M	240	JH4ADV	FK8CP	JH7PFD
LA5IIA	W2TQC	IV3ODE	K3SWZ	IZ8FFA	K1MM
PA4VHF	W5XZ	K0JUH	KA9CFD	JA0FSB	K5AB
S52F	245	K1FZ	KC7V	JA1CMD	K9FD/KH6
W3UM	DL4CF	K1ZG	N6DX	JH1HGC	N4CH
	F2JD	K9OT	R7DX	N8JV	OE5NNN
251	JA1GV	LA2XPA	RA0FF	SM3NXS	RA3QK
DJ7RD	N5DG	SV8GFW	RU3QR	W4GF	RV1CC
DL9RT	N9US	UR5MID	VE3XN	W4VQ	RW3XZ
JH0BBE	RL9F	239	WA7NS		US0SY
ON4AOI	RY7G	F6BLP	234	229	VA5DX
VK4MA		JR3IIR	AC4G	CT1FJK	W7KW
W5UN	244	K0KT	K4UTE	DJ4AX	
W7LR	AG9S	KH6AT	KF0QR	JA8FKO	224
	DK6WL	LY3UM	PY1BVY	J11BEX	DL5WW
250	IK0XBX	RN3QN	VE7IG*	RO7T	IZ1LGB
HB9RG	JA1HGY	SV1ELF		228	JA6BZI
NQ1K	K9RX	238	233	AF9H	JA9CHI
OZ8BZ	ON4IQ	DL8WN	AB4I	AI0O	N8BM
PY2RO	243	IK0XEZ	IZ4BEZ	EA1N	ON4GG
W3KX	DK2JX	JA0DAI	K0CS	K4HB	SP5INQ
	DK3DG	JR3GWZ	K1AR	NT0V*	SP8NR
249	DK8QNF	K1HTV	KA7T	OH2BEN	VK6VZ
AI9L	JF8QNF	N4II	SK3PY		W2RQ
I1EIS	NN4X	VO1HP	UA4HAU	227	
IV3YYK	ON4ATW	237	VA2WA	DL7HU	223
JA2VPO	S57A	AA1QD	W7AO	E72A	AB0X
JG3QZN	W9RPM	DL7MAE	YO7LCB	ES1RA	HA7TM
JQ3DUE	W9XY	IK0MHR		IK0HBN	I3BUI
K9NW	WX4G	K1DG	232	IK6FWJ	RT6T
SP5DRH		K1VW*	JA8EAT	JA1UQP	SV2JAO
	242	NI0G	K2AZ	K1FK	VE6WZ
248	AB3CV	OM4EX	K2UU	K3NW	ZS4TX
K3WW	KG7H	SV1RK	K4XL	KD0Q	
K5RX	R5AJ	W4YO*	NI6T	N2WK	222
N2NL			UA3AP	NV9L	DF6PB
R5DT	241	236	UR5EDX	WB6RSE	IV3JVJ
SM3VAC	EA4KD	G8VR	W3LL		JH2TPI
T77C	JA3EMU	JA0CRI	231	226	K3SV
UT9FJ	JA7QVI	JA5MHD	4X4NJ	DJ5FI	K6EID
W9NGA	K2FF	K1JO	EA6VQ	JF2KOZ	N5AW
	K5ZK	K9NR	HA9RE	JR6EZE	N8PR
247	N4XM	K9ZO	IK0YUT	K9FD	N9BX
K6XT	N5TY		K5EK	N6AR	SM0CCM
NO2R	N7RT			N6JV	W9BF

221 DJ8NK K4MWB K8FH N6VR SP7GAQ W0VTT W1ZK W6JRY WS6X	SP3CGK UA3AGW WA7NB	DL9GFB K1ST K4MQG K8ZH KE9I KG6I N1ZZ N4MM SM5CZQ VO1NA WB9CIF	N5ORT RU3ZX SM5JE* W6PJ	IZ8VYU JA2XYO JF4VZT K4XO K8AC K9MMS KK2I PA0A R6AF W2HUV W8GC	UY0ZG W0DD W0MHK W3GG
220 AG8B HB9LCW HL5IVL JA1SYY JR4OZR K8SIX K8ZTT KA1R N1LN N5JR VE3EXY	216 K5EJ N5UL OE1ZL RZ0AF W0GJ W6XA YV1DIG	211 IK4DRR JA4DEN N4PQX NX0I RA1QD RU3SD UR5FEO WA5VGI	207 G3NSM I4LCK K1LPS K3JT K8EUR PY2BW UN5J W9EWZ	202 DL1MGB DL2KQ EA1RT JA3CSZ JH3VNC K2NV K4JJW LY1G N7KA OK1DOT R9TO UA9FAR W7DO WA2HZO ZL3IX	199 AA5AM JA2DPC JE1PNX JO7WXN K1GG K6GXO N4DW OZ1AXG RA3S W1TO
219 IK3VUU JA2FJP K6TA* N0AV OE8RT RA3WDK SP4K WA2UUK	215 JA2NDQ JH1IFS N7JW W0UO W2LK	210 I8SAT JA2IVK JH0INP JJ2LPV K0MN* K3WA UW7LL W7JW WS9V	206 AJ6T DM5EE IK0IOL JA3PIS K2VV K5AQ KC6AWX* KG9N N8DJX N9AU SM6BZV US0KW VE3BW	202 DL1MGB DL2KQ EA1RT JA3CSZ JH3VNC K2NV K4JJW LY1G N7KA OK1DOT R9TO UA9FAR W7DO WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR JA2JNA UA0SR W2IRT W8HB
218 DJ4PI DK0PM IK1YDB JA2FBY JA8CDT JF3KON K0EU K5UO SV8CKM UT4MF UT7UV VE3LYC W5PJR	214 HL3IUA JA2JW JA2WYN JA6LCJ JJ3PRT K1AM* K3JGJ K4NA OK1DX ON6YH RN7G W4NL W6YI YU3AA	209 AD5A DL5CF DL9MRF EU1KY F6DAY HB9DDZ LA7JO N9LB VE1DX W0AIH* W0ZR W1ECT W6PBI* W7KNT	205 JA3AAW K1DT W8UN WB8ZRL	201 DL1EJA F4BKV JA9NFO JI2KXK K3HP LA7GIA UY1HY W5TCX WI8A	197 G3SNN HB9DDO I5KKW JH2UVL K3KO* K3LR LA5YJ OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL
217 JG1ULJ K5PC MM0EAX	213 DF2IS DL7BA EI3IO HA1RW JA9PPC JF6DSZ NA2M RU4SO W0LYI W1FJ W2WG W3YY	208 JA7MSQ K2FU LA4GHA	204 DJ5AV I4KDJ IK7NXM K5RT KK4SI LX2A N4NX N7FU PY2XB US6EX W0LS WD8PKF WF4U	200 DL9DRA JA1GTF JA5AQC JA9FPI JH2RMU K1GE K5MC LA7HJA N4QS N5ZM RW4NN RW7M	196 AA4HP AG4W DK2LO F6EXV IK4PLW JA4PXC K8PO KA9FOX KP2A ND0N

RA9CMO	191	DF2GH	XE2X	W2YJ	LA0FA
RZ4FO	G0OIL	K0SR		W7BEM	N7XR
SM2OAN	K8FC	KB1EFS	183	YL2TW	SM5FUG
W0FS	K9LA	KB8VAO	AA1ON		VE3FF
W2FCR	RK2FWA	KN5O	CT1FMX	178	W2OR
	RX3APM	N2NS	CT3MD	EA3CJ	W7MEM
195	W3UA	OK1CZ	IT9INO	JA0VSH	WX0V
4Z4DX	WA2VYA	RM0F	K8VC	JA2BDR	
G3ZEM	WN6W	SM0NJO	KE9ET	JA4MRL	174
JA1EOD		W7AWA	KL0S	JE2URF	JA0GJJ
JN7FAH	190		LA3WAA	K2UR	JA2XW
K7SO	EA3JL	186	NK1K	NE0U	JF7DZA
K9RT	IZ8XQC	9A8A	NN2L	SM7DLK	JK1OPL
KF8UN	JA1ANR	AB4IQ	ON6SAS	SV1JG	JR6PGB
N1SV	JA1DUH	IK2QPR	W2FP	W6NWS	K2KA
W5ZG	JA1MCU	IZ8FWN	W8NW		K2PLF*
W9OP	K2TE	K0BJ		177	K3AJ
	K8NVR	K7LAY	182	9H1SP	K4TR
194	K9KU	N8LJ	DK3UA	AE5E	K4WS
K4KDX	KF7PG	NE1B	JA1SHE	CT1EAV	K8RRT
K9JF	KM1D		UR3EO	HA5WA	N7IR
KB9LIE	LA7AFA	185	UT5UT	JA2LCP	OE1WHC
KC9ARR	LB8DC	AB6QM	W1YM	JE1BMJ	OK1DWC
W1NT	N5GH	EA6BF		K3WC	RN7F
W2LO	SP2LNW	G3KWK	181	K7GM	UA3LNM
W9OO	VE7VV	IK3SWB	DJ9ON	K9NU	W8UV
WD8JJA		JA8DNV	DK3WW	N4XU	W8VVG
	189	K0JGH	VE3OSZ	SM6DHU	WT8C
193	9A2F	K5ZD	YO2DFA	W5LT	
DL5ZB	EA5RM	K9US		W7FI	173
DL6ZXG	EA8PP	N4TJ	180		5B4ALJ
EA3WD	FM5CD	N5LZ	DM2DXA	176	I1JQJ
HA5BSW	IK0FVC	N5UR	DM3VL	EU1AB	JA3ENN
K9YY	JA1XEC	OE2BZL	K3PA	I6FLD	JA9TWN
KV7K	JA3RAR	SM7GIB	K6SSS	JA0DET	JL1SAM
N9EN	JH1QAX	SV1DPI	LA9AJA	JA2ZL	K0BBC
PA0LOU	K4ODL	UA9CBO	N4AH	JA5IU	K0TT
RN1ON	SP7HOV	W0EWM*	ON5FP	JA6BJV	K1NTR
W0RI*	UA7T	WA3C	UT2UB	JA8KSF	K5GKC
W4FC	W5DM*		W3YQ	K8MN	KA1J
W9MU		184	W8TN	N1RR	N3OC
	188	CT1IUA		N5OK	N5FG
192	9A2NA	CU2DX	179	RL3FA	SP1MGM
AD8P*	JA1KQX	JA0EOK	IT9ELD	W4BP	
DK1FW	KB0EO	JF1NZW	IW0SAF	W4GD	172
JA7JWF	UA0CA	JF1PUW	K2EP	YO7NE	G0BLB
K3FN	W6SR	JH1RFR	K7BG		G3NKC
K4FJ	W8JV	K4HGX	K8WK	175	HK3W
K5XX	WA6YEE	K5KLA	OK1MG	EA8JF	IZ5MOQ
K9EU	WE9R	K6SRZ	S57UN	JA1CHN	JA3FGJ
N4DB		KB4ET	SM4DDE	JS3CTQ	K0DEQ
W4UM	187	S57AC	SV3FUP	K4CN	K1BD
W8LGJ	AJ1H	US8UA	W1RM	K4DLI	K4XR

K6FG	WB3JFS	165	W0TT	JH6QFJ	IZ8IEV
KJ0M		CT1FPQ	W1LW	K4RO	JH1TWT
W4FQT	168	DL7UCX	W3JX	OH2BLD	JH2QMT
	4Z5MU	JA6VQA	W4DKS	W6BJH	JO7HAM
171	G3MXJ	JE7RJS	WP4U	W7SX	K8YSE
4Z5CX	IK2EGL	JN4MMO	WW3S	W9RN	KS1J
AA9D	IK4ADE	K5JZ		WD5BJT	UA3SAQ
DL6KR	JA1ADT	K9MBQ	161		VA3LX
G0EHO	JE7JDL	KK4CB	DK2GZ	158	W1YIF
JA6HUG	K5QY	PE1L	DL6RAI	DJ4PT	W4TV
JG3IWL	K8RYU	SM4CTT	JA1DOF	DL1FKA	
JR1TNE	KR4F	UN9L	JH4CPC	JE2LUN	155
K2FL*	N4QQ	W0DJC	K5GO	JI1FXS	AB9V
K9YC	N8BJQ	W5BN	K7NN	JI1NJC	DL1RK
LA5LJA	PA7F	WC5N	K8ND	JR1GJP	K2LS
N4OGW	SP5GH		LB2TB	K1KA	K4WA
N7RO	TF3SG	164	LB6KC	K1USA	N4HB
N9RC	W4SVO	GU4YOX	N4GN	K5TT	NE0DX
PY5EW	W6VX	HA7UW	OH6RA	OZ1HX	NW7E
SV1LK	W8OI	HB9BZA	RW3RN	RU6M	SM6VR
WB7B	WA5YNB	JA1RTX	VK3HJ	SM4EMO	ZS6EZ
ZS1LS		JA7ZP	W8WEJ	W0SZ	
	167	K1NJ	YU2TW	W1OX	154
170	DK5AD	KI5BLU	ZS5LB*	W2XL	3V8SF
DJ6TK	K4XD	N5WA		W3GQ	DK1WB
JA1PPW	K6KO	N9FN	160	W4QN	G4GIR
JA6JPS	K8NK	RA3ZH	9A2JK		GM3PPE
JA7MOL	N0IJ	W3IP	AD5Q	157	HB9TKS
JM1GYQ	N3BNA	W4NS	DL1DA	AA4H	IK0AGU
JR7BDQ	PA3C	W7YAQ	EC3A	EI6FR	JA8NFV
N0RN	RA1AOB		HB9DHK	G3TQZ	K0KVR
N4PY	RN9N	163	HB9FMN	IZ4DPV	W1NA
SP3GTS	S51EC	DJ9HX	IW2FND	JA1GHH	W2XI
SV3KH	VE6WQ	JA9NLE	JA0UUA	JA9APS	W5DNT
W8HC	W1YW	JH2SON	JA2EPW	JG0CQK	WA9PIE
W8KEN	WA0MHJ	K8TL	JE2OVG	JH7IAJ	YS1RR
W9AJ	WA4LOX	UR4CWQ	JF2XGF	K9GA	
W9EVI		VE3CFK	JR7MAZ	LY5A	153
WA3AFS	166	W7AL	K3MSB	N5MOA	DL3ZA
	4Z1UF		NR4M	NE9Z	EA5BY
169	DJ4SO	162	RU6L	RN3OG	G3TJW
HA9PP	IV3TDM	4O3A	SP6EQZ	RU4UR	HL2CFY
IK0PEA	JA1FNA	9A4W	SV2AEL	SM3PHM	JF1IRW
JR1IZM	JA9LJS	CT1GFK	UA0FZ	SV8ZS	K4RG
K1LI	K3KY	F3AT	UX5UO	W2TA	K8VVF
K1NU	K4JLD	I2ZGC	W1BR	W5GZ	N4TV
K6ZZ	K4PB	JA6GIJ	W5XC	W7TVF*	N5TW
N4XX	K4ZYU	JF1WPB	W6RW	YV2IF	N8II
N7US	RM3DA	JF2UPM	WX0B		R9OK
OH2IS	W1RR	K1KI		156	SM6CLU
RA3DNC	W8ILC	N8MR	159	DL4MM	SP5CCC
UT8MM	WA8TXT	NY0V	JA4FKX	F6HDH	UT5UY
UY5AA		W0HT	JE2LPC	IK0FUX	WB8BPU

WE1P	N9CO	SP3FAR	N3KK	OK1DO	K1CA
WJ4T*	N9MB	SV1CNS	N7BT	W2OO	K3ANS
WS7L	OE8SPW	UN7LZ	SM4OLL	W5VQ	K6AM
	OZ3SK	W2KKZ	SM5CLE	W7ZI	K8RF
152	UA6YW		W2/CT1GIF	W8RLS	KD0PO
AJ9C	W6DAO	146	W4GE	WA5POK	KU0A
EW2A	W7CT	AA7G	W9JJB	WB8CQV	LA8WG
JE3ENP		JA1HQQ	WC5M	WP4G	OK1MP
JR9OPJ	149	JA4DHN	WD5T		OK2QA
JT1CO	DL7CX	JH1GNU	YO3CD	141	SV8ZC
K7SP	IK4FNF	JH1QDB		DL5MHQ	W0SD
KS3F	JE3GRQ	K5SM	143	EW1BA	W5ADD
N9OY	JL1ARF	K6NR	DL1DUO	I0JBL	W8HW
S55ZZ	K3RA	K7WP	DL6EN	JA1PTJ	W9XQ*
UA6IGI	K4YYL	RU0SN	HB9HFN	JA2ATE	WA8WV
UT5AB	K8ME	W1IZL	HS0ZEE	K2RW	WW2DX
VE6LB	NX8Y	W1ZT	JA1SVP	NJ3K	
W1SKU	SM6CUK		K0QC	SV3FUO	138
W1VT	UW7UA	145	K7CMZ	W1AX*	DK8MCT
W2RS*	W0GG	AF4HX	K7CW	W3BW	DK8YY
W6RLL	W7HPW	EI9JF	K8ROX	W4VIC	EI9FBB
W7AJ	WB8B	JJ3HGJ	K9MK	ZS1C	EU4A
WB3CQM	WD5K	JN1BMX	KJ9C		F5PAC
	WS5W	K1OA	LA6OP	140	F6DDR
151	YO3DDZ	K3VAT	LZ2ZG	9A1CAL	IK8EPC
DK2OY		K4OY	N2RJ	DF2RG	JF3LOP
F3SG	148	K5KV	N2WM	K5VWW	JK1AJX
JA6BEE	AC6DD	K7HP	N5UW	K5WK	K1RO
K2FW	DK2CC	K8BL	N6PAT	K6KLY	K2RET
N1EN	EA7TV	KF6HI	R8TX	N4XP	KK1W
N5JB	F5CQ	N1CGP	VE3CV*	N7WS	N8OC
OK1ATP	F5LVL	N4GG	W0IZ	OH6NIO	OE6VIE
RC9F	HB9BUN	RT0F	W6QUV	OK2ZV	OZ8X
RD3A	JA2VQF	SM3DTR	WB8ZRV	ON7DR	PC3T
RU3A	K3TN	W1OP	WD9DZV	UN1L	RW4CY
S54A	KR2Q			VE6SV	SM5CBM
SP7AWG	N2WB	144	142	W0SEI	W1GD
SV9AHZ	NE3F	AA6AA	HB9SLO	W4NU	W2YE
W7RH	W5FIX*	DL5KUA	I5HOR	W5LUA	W4YV
WA1Z	W5FKX	DL6MRS	IT9BLB	W7IV	W7OM
	WA2BCK	E70T	IT9GSF	W8LWU	
150		EI6IZ	JE1FQV	YL2MU	137
DL4SZB	147	G4FTC	JE2DZC	YO9FNP	CU3EQ
IT9DSZ	EA3GP	GM3ITN	JR7WFC		GM3YOR
IV3RAV	HB0CC	HB9BYQ	K3PP	139	IZ2FOS
JA2NQG	IV3VBM	HI3T	K4WZ	CU2AP	JA3APU
JH1NYM	IZ3ENH	I5MXX	KQ4AV	DF7EE	JA5XAE
K0RS	JA1XQC	IZ4GWE	LA9VFA	DJ4XA	JE6TSP
K7LV	JH4ALY	JA3GN	N5XZ	DL5CW	JR1XIS
K8AJS	K2AX	JR3OEH	N7QT	DL5EBE	K2QMF
KU4XO	K8UT	K0VSH	NA4D	DL8OH	K8NS
N3QE	KM1H	K5TR	NQ7R	JA1TMG	N2PK
N3RC	N1IBM	N1IX	NY2NY	JA9RRH	ON6AA

RA3CO	134	VE3CRG	R5QA	W4IS	VE7BV
RG7G	CT3HF	W1EQ	R9AB	W5AJ	W8MK
UU1JA	IK4DCS	W4AXL	RU1AO	W6RKC	W8REW
W1ITU	K1TO	W4RBO	SP6M	W8MET	W9ILY
W2CG	K3OX	W4WM	TA1CM	ZS6UT	WB2REM
W5ODD	K7XB	W5SL	UN7JX		WD4LBR
WB5JID	KA8SYV	W7AH	VE3DO	127	XE1KK
	KX4TT	W7CD	W2MPK	HB9AZZ	YU1EXY
136	N9RS	W9FR	W6DR	HK1MW	
DS1JFY	OE1TKW	WB3D	W9ZT	JA1DDH	125
E72U	PY5HOT	XE2S		JA1WLO	9A1AD
ER0FEO	RG6G		129	JA8RJE	DM2RM
IK8CNT	UA0ACG	131	EA1YO	JR6FC	EA1AF
JA3OOK	W4JKC	DK7YY	JA1NWD	JS2LHI	GW3TMP
K0TV	YU1AM	G3UHU	JA8JO	K0RW	HK4SAN
KR6C		HS1NGR	JH0BQX	K3TRM	IK5DNF
MM0SAJ	133	IV3KFB	K3NK	KM4H	IU0HDC
N2ZN	9K2NO	IZ0RVI	K4TT	KM4NS	JA4IYL
OK1DW	EU1U	JA2TBS	K6XM	N1AC	JA6VU
SM5OJH	IZ8DFO	JA7LGE	K9ZM	N1GC	JA7KY
SP2BMX	JA7GLB	J11DCW	N0YY	OE8HIK	JE1TSD
UT3UZ	JA9AGN	JJ1TEA	N3KS	SK7AX	JE6UWU
UW8SM	JH1HHC	JM1FHL	N3MK	SM0BYD	JH3CUL
W2OIB	K1ZN	K5VIP	N3RR	SP7ASZ	JL1RUC
WB7QXU	K2CDJ	KH2L	PY5EG	V51B	K1HAP
	K8GI	N4QWZ	SM3BCS*	W0CP	K5KG
135	KJ6P	N5PHT	W7QHE	W0RT	K8DV
5B4MF	KS4YT	N6RK	WE4S	W0YVA	KA6BIM
DJ9ZB	KU2A	NA5DX		W3BG	KI4WCQ
F6FXU	N9MR	NN4R	128	W3MF	LZ1XL
HB9IQB	OE1KM	ON4ON	AA4SC		N2KA
IV3DXW	RA5BM	R0SR	IT9ZZO	126	N3EN
JA4OK	RV4LC	R9MJ	JA2AHH	DJ8WD	N4JT
JA7LMZ	UQ2PZ	R9SA	JA2KSP	F8BPN	NA5C
JA8BNP	VE3WT	SV5DKL	JA9AA	G4IUF	ND5S
JA8JL	W0NFL	W7JY*	JE1LFX	HB9FMT	NW6S
K1ZE	W2QO	W8DCH	J14POR	IK8GYS	OE1AZS
K7FL	W8GNM		K0FF	JH4HMG	RA0BA
N6PSE		130	K3XA	JJ1DWT	SQ5EBM
NZ9R	132	DF9ZW	K4JAF	JL1UXH	UN7JID
R7LP	AA4NC	E73M	K4SE	K2ZD	UU7JM
RN3RQ	AB9M	EI2JD	K6LPO	K4JKB	VE3UTT
SM3LGO	AD6W	G7VJR	KG7CW	K4XU	W5DAW
SM5CZK	IT9RDG	HK0HEU	KM3V	K7TM	W9CG
SP3XR	JA2KVD	JA2FBC	LB5WB	KC2LSD	YO2RR
W1DIG	JA3DY*	K2MYR	N5KM	KF8DX	
W2GD	JA6CBG	K7LFY	R9SG	N8NA	124
W4BUW	K6YUI	K8BCK	S53X	OK3CQD	AA7XT
W4MBD	N6HY	K9GL	S55DX	OZ1IKY	JF2WXS
W4RFZ	ON4CAS	NA4EA	SM3GQP	PA5TT	JH4JNG
W6JTI	OZ2RH	NO9E	SV3DCX	S51NM	J11DHY
WB0TEV	SM4BZH	OZ2ABI	VQ9LA	SP6A	JR2LJO
WO2T	SM6BGG	R3VA	W2WC	VE3CX	K1UU

K4ZO	K7ZA	K1ESE	SV1IW	JM3GXU	VA7CRZ
K6EME	KR0P	K2BA	W0QQ	JR2UBS	W1ENE
KD4POJ	LA7WCA	K2HK	W4HZ	JR3UIC	W1WEF
NA2U	LA8PT	K3QIA	W5QP*	K1BZ	W7GG
PA0TCA	N4DWK	K6SIK	XE1RCS	K2BB	W7OEV
PA3EWP	NA9RB	KA8ZPE		K6PJ	W8LRO
UA0BA	NN7X	N0OK	118	K7PI	WQ5L
VE1DUN	OZ3Y	N4BAF	5T5PA	K8OOK	
W2JU	RD4A	N4TB	AE3T	K8QM	115
W2RIJ	UU4JMG	N4UFP	AG1A	N2BJ	AC9EM
W3FM	VE6AX	N6HC	DL5OCE	N3ND	C6AGU
W6CYX		OE3EVA	DL9FCY	N4IR	CU2CE
	121	OH1JP	JA4FHE	N4TL	DL9GOA
123	AA6RR	PZ5RA	JH4ADK	N6MB	G4XEE
AB1OC	CT3KN	SP7ITB	JI8DGO	N8AA	G8BCG
AC4TO	DF1DB	UR5IKN	JN1RQV	N8XI	G8DX
DL7JRD	DK1EI	W2YR	K3WGR	NY4G	HA5UK
G4WFQ	DK6CQ	W3OA	K4CNW	SM7BIC	IZ7JVR
G5LP	F4GTB	W4PRO	K5JC	SP8HKT	JH1RFM
HB0WR	HA1RB	W6RFL	K8LN	UA6J	K0GD
IK3XJP	JA1SJV	W7RN	K8WVA	UB3A	K0SD
JA0CRG	JH7RXU	WA3I	K9DR	UR9IDX	K4CMS
JA1XCZ	KD8RQE	ZL4AS	KD6UO	US0YA	K4GHS
JA3MHA	KG9Z	ZS1A	LZ2HM	US1CT	K4GK
JA6WJL	LB7ZG		N2MM	W4ZRZ	K5XM
JR1EBE	N1JP	119	N3UA	W6SL	K6FW
K2PK	OE3SGU	AA3AZ	PY2PA	W8ZR	K8YTO
K3XO	OH1ZK	DK3GG	RN3TT	WA2USA	KO8SCA
K4ZIN	SV1AHX	EW4M	SV9COL		LY4T
K5GH	UQ1GWW	G4DJJ	TA2RC	116	N0IRM
K7UT	UT4EO	HB9AAQ	VK4CAG	AB2E	N4OA
K9CS	UU2JQ	HB9BCI	W1KSZ	AJ4F	N8KOL
KV4T	VA3AYA	HB9CQK	W3RJW	DL7URH	PA3AXU
N2ED	W2GG	I2TZK	W4DAO	EA5BRE	RZ6MJ
N6MZ	W2TB	I4MKN	W4NF	EI2GLB	UA1ANA
N9JV	W6XI	IU0LFQ	W4NJ	HA7PF	UA1CGS
N9LQ	W8LMG	JA3AZD	WT4Q	IK0EIE	UA6XT
NA2P	W9YE	JA4XGC	YO4AUL	IK2OHG	UN6T
S50B	WA1PMA	JH6CDI		IT9AAI	VE3YF
UA3DK	WY1G	K5UZ	117	IT9TQH	W5JMW
UT3QU	XE1VIC	K7EG	9Y4VU	IV3HYD	W9XX
W1AO		K8KWT	AE0P	JA1WTI	WA7BNG
W8NJR	120	N0KV	BH4IGO	JG1DUZ	YL2CZ
WB0O	9A5F	N4LR	DL1DWT	K1DC	
WB8K	AL7TC	N8PW	DL2VWR	K1RI	114
XE1H	FG5FR	N9AW	G3LAS*	K9SG	AA4DD
	HB9BLQ	N9UA	IK3VBB	KT1V	AJ4A
122	HB9DHG	NT2A	IT9DAA	N3NR	BA4DW
G3NDC	IK2SGB	NY7T	JA1HQT	PA0JSE	BA7IO
IZ7EVZ	IZ0LKV	OH5NG	JA4FM	RV3ID	CT3FN
JA1MRM	IZ5NFD	OK1DT	JA7GYP	SP6JIU	CU3AK
K1YT	JH4GJR	R6FFB	JA7IC	TZ4AM	DL6NB
K2MP	JR6LLN	SV1ACK	JE2JMV	UA4PCM	F6CWA

G3SDL	N7KO	NA3F	VE7UF	US7MM	ER1LW
HK3PJ	NI5F	RU4SU	W2SKI	W0UY	G3VAO
HP3TA	NK5B	SM3DMP	W3FOX	W3XY	HB9BAT
I5OYY	R7NA	UA1ACG	W4HOG	W4DC	HB9CEX
JA0AOO	RA4UN	UA1CEI	W4OX	W4NE	HB9FAN
JA2KNW	RZ3AUL	UT6UD	W5AQ	W5ZPA	IK0PRG
JH1AGU	SM5ARL	VE7XF	W7VS	WB4TDH	IZ0BTV
JH6WMJ	SP3EPG	W0RX	W8KA	YU7AU	JA2MOG
K1RV	SV1FKZ	W1HEO	W8MIL	ZL3NW	JA3NHL
K2DC	SV1JFV	W2CVW	W9RB		JE2UFF
K3MD	SV2AVP	W3MR	WA2BOT	109	JR7FRW
K3OSX	UN7TW	W3UL	WA2MUA	EA3GHZ	K1XM
K5RJ	VE3KI	W4VHF	WA8MCD	EU4T	K2KQ
KB8U	W2GW	W5VX	WB9EEE	F8EZE	K3NF
KZ4V	W6BK	W6TC	WX3P	G3SVD	K4WY
N2JJ	W8FAX	W8GEX	YL3DQ	HL3GOB	K6UT
N3MN	W8FIB	W8HMK	YO6HOY	J68HZ	K8OM
NU8Z	W9VNE	W9SE		JA2CXF	KM3T
UA3FT	WA4DOU	WA8OLN	110	JA4BXL	KN4JX
W0VX	WB2HJV	WT9U	CU3AN	K2ONP	LU2DKT
W4TUN	WS4C	ZP6CW	DL1VDL	K4RDU	N1BZ
WA1FCN	XE1RBV		EA5BYP	K5KA	N4MEC
WA9YYY	ZL1BYZ	111	F5BAR	K6MW	N6RFM
WP3R		AA4U	G3LNS	KB2FCV	N9TF
WV4TN	112	AF4OX	G8AJM	KC2STA	PA0ZH
XE3ARV	A92IO	DK2WH	HC1BI	KE1F	R5FY
	DJ1RL	DK6ED	I2BBJ	KL7RA*	R7LA
113	EA1JO	DL5CL	IK5RUN	N8NN	RX6DX
9A1A	EI8IU	EV1R	JA9KRO	ND4V	S57J
BA4RF	EW1DO	G3PLP	JH1VHU	NN4RR	SM6AOU
DJ5DT	G3XGC	G4DBN	K1EO	NU4I	UX7UN
DJ9RR	HB9CRV	IK2CHZ	K3FRK	NX7U	UZ6LWZ
DL8CM	HB9G	IU8FRE	K3JRR	PY5CC	W2UB
DL8DYL	HB9RYZ	JA1AUD	K3PH	RW4UU	W3NRJ
EA5KA	IK7YZG	JA1FGB	K4WW	RW9QA	W4ZYT
G4AFJ	IZ4DIW	JA1NCZ	K5WAF	RX3AGD	W5VY
JA0GCI	JA1SXR	JA5FDJ	K6VKO	TG9NX	W7ACD
JA4ITW	JA2HYD	JE2EHP	KB4MRX	UB5ZAL	W9NIO*
JA5WIZ	JA7BXS	JE8TGI	LZ1PM	UT7KF	WA2ALY
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JH3GCN	JR7TEQ	K7ORK	N3HBX	W0VHF	WC1M
K8SL	K0CA	K9AJ	N3IQ	W5WP	WD9EQU
K9GWH	K0JPL	KM1R	N3JB	WB5TUF	WW1WW
KA4RRU	K0TPP	KZ0X	N4KE	WN0L	
KD2T	K1KO	LA0CX	N5BO	XE1FAS	107
KH6DX	K4UAS	N4WJ	NC6K	YV3AGT	4Z5LA
KI0G	K8CC	N7BD	NG0G		DJ8ES
KT1J	KI4DLS	N9HF	NY4I	108	DK3FB
KV1J	KM1C	NA1DX	OZ1LCG	AI2Q	DL2CHN
KV4AA	LA8HGA	UR6QA	RD9M	AL7R	DL5XU
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N4DJ	N6MA	VE6KC	SV1VS	DG7RO	EA7QW
N4IQ	N6PE	VE7CT	UA3O	DL6CNG	G4AKY

G4RGK	JA1VLK	DL6JZ	AD1C	RZ6DX	K3FM
I5IHE	JA2MNB	DL6XK	AH0U	RZ6LB	K4LQ
IT9XTP	JE6IGP	DO1CTL	CP8HD	SM5CCE	K5JUC
JA5EY	JG3HBO	ES1GO	CX3CE	SM7CQY	K7BTW
JA8JTH	JG5RVQ	G3YUV	DK3BK	SO5AS	K8CCV
JF2WGN	JH2KKW	HA8FW	DL4FAP	UA9FGJ	K9MUG
JH9DRL	JJ0NCC	HI8RD	DL7UPN	US5CAO	K9XJ
K2MK	JR0EQQ	JA1BWA	E73D	UT4EK	KE1IU
K3SW	K0DEW	JA1OVD	EA8ZS	UT7EC	KJ4R
K3YBN	K1PX	JA1TAA	F6AJA	UX4UM	KJ7WY
K5FZ	K2CJ	JA6VA	F8GB	UY0MM	KM8AM
K5KPE	K4DSE	JA7BME	G3BRD	VE3VHB	KX2A
KE2R	K5AM	JA8RRF	HB9CIP	W0YBS	LX1DA
N2RR	K5ZQ	JF1RYU	HB9EFK	W1QA	N0RU
N3DAP	K8JJC	K2XF	HK3O	W2NO	N1HOQ
N4RF	KQ3F	K5AV	IK0DWN	W3DRY	N9BBQ
N6EE	N0JZ	K7OX	IW0HEX	W3TMZ	N9SF
N8AGU	N2CW	K7PO	JA1SDV	W5CWQ	OH3GD
NA5Q	N7NR	K9RO	JA2FGL	W5GJ	OK1DQT
OE1CP	N8AID	KI5T	JF1EGO	W5ZO	OK2BQU
OK2BUZ	NA5Z	KT2E	JF6WTY	W6PH	OK3BRK
OK3CQR	NI5M	LZ1JZ	JI4WAO	W7DR	OZ7JZ
R0FA	NS3L	N2WLG	JK1BSM	WA0I	R9GM
RN4AA	NU4Y	N3XM	JO1WXO	WA9ETW	RA0FA
RV6ARZ	OE5CSP	N4JI	K0MD	WC6DX	RA4HT
SP3BQD	OK1AYU	N4NW	K0WK	WL7E	RK3QY
SP6AXW	OK2BVG	N4SC	K1BG	YC0LOW	RU3OW
US5CB	S57AL	N4VN	K1EP	YO5ODE	SM3CBR
VE3OI	UR3CRO	N6NU	K2BLA		SM6EHY
W3KB	UT7UU	ON7PQ	K2HAT	103	SM7BHH
W4UCK	UU5WW	OZ4AAL	K4KEW	AG1I	SP5JXK
W6TDX	V73AZ	PF7M	K4MF	AI3Q	UA3PFN
W8VK	VQ9SS	PJ2/K8ND	K4VIG	DJ1MM	US2WU
W9CPV	W1CWU	PY2DS	K5HK	DJ7PI	UT2AB
WB2UFF	W2EQ	R6YY	K6UM	DL2HX	VA2ZO
WB8ART	W2LE	RA6AF	K7TJR	DL8YRM	VA3IC
WS1L	W3ICM	RD4WM	K9EA	DM5TI	VE3EDY
XE2YWH	W4IR	UA6LCN	KA2BZS	DS3HWS	VE3MFA
YL1XZ	W5JAY	UR1RWX	KH6KG/W5	EA7SG	VE3VV
	W8IW	UR2RGN	KI0KB	EU6MM	W0UVC
106	W8OP	VE1PZ	KK9H	EW3LB	W1CTN
AA4FL	WA4MYO	VY2ZM	KW0A	G3BDQ	W1OPD
AA5JF	WA6TLA	W1LY	KZ1W	G4AAW	W4AVY
AE2U	YL2GN	W4OWY	N2SQW	G4PUQ	W4MZ
DJ6OZ	YU3EF	W5KI	N3ER	G4VGO	W4TMR*
DL1QQ		W6FF	N3TR	I0OSI	W5THT
DL2NOM	105	W6KK	N4TTE	IK2ANI	W5VU
DL3JSW	CT1FCX	WC2K	N8MZ	JA2GQO	W6SZN
DO4DXA	DF2PI	WQ5W	N9ISN	JA2OLJ	WB8BZK
EA3CCN	DF8AA	YU1NR	NJ9C	JA8EJO	YO7APA
FG8OJ	DJ3XD		NN3Q	JH1DGQ	
HA8DZ	DJ6KH	104	RA1QX	JM2RUV	102
IW3GJF	DL4ZAB	9M2AX	RU3UR	K2UVV	A6/RV6LNA

CT4BD	PA7TWO	JA2VMU	RY6M	EA2AAZ	KP4N
DK3QM	PV8ABC	JA6TMU	SM2DMU	EA3ALD	KQ5M
DK5RL	PY2DO	JA7SFD	SM7NDX	EA8AXT	KS4XQ
DL3DXX	R2AB	JF1RPZ	SP7JLH	EC5A	LA8W
DL3NCR	R3IS	JH3HGH	SP9DH*	EI9E	LU5OM
DL4CW	RU3UN	JH3PRR	SV1PL	ES5NC	LU5YF
DL4KUG	SM6WET	JI3KDH	UA0FDX	F6ECI	LZ3YY
DL5RDI	SP5MXZ	K0LW	UG6GAW	FM5GU	MM0SJH
EI4DQ	T77V	K1YR	UR7CQ	G0VXE	N0AH
ES5RW	UA1AIR	K2BX	UT1CC	G3OIL	N1KI
F6BWO	UA1CKC	K3SEW	UT4IS	G4CGG	N1MD
FM5WD	UA6HOF	K6AAW	UT7HA	GM3ZSP	N2DPF
HB9AHL	UA9MR	K6XJ	VE2OJ	I2VGW	N2SG
I8LWL	UA9UCO	K7AR	VE3XB	IK0HFO	N2XQM
IT9SFT	UW7CN	K7IA	VK2GR	IK4MSV	N3AF
IZ4MJP	VE2FYR	K8BN	W0QC	IK8UHA	N4CRI
JA0HXV	VR2MY	K8ZR	W1AW	IS0/YO3RA	N4ZR
JA4EVN	W1PV	K9JU	W1FC	IW0BYL	N6PF
JA6OXT	W2LW	K9PG	W1MRH	IZ0CKJ	N7DED
JA7EPO	W2TX	KE1VT	W2SF	JA1BRK	N7TK
JA8OW	W3EKT	KE4S	W3HKK	JA1CPU	N7TY
JH3AIU	W4ALF	KF7NN	W3WH	JA4FSH	N8IL
JK1MZT	W4JVN	KN6J	W4BUE	JA5DQH	N8NB
K0EOO	W5TO	KQ1F	W4PM	JA9CGW	N9ADG
K0YN	W7IUV	LA2GV	W4WT	JO4CFV	NA9Q
K1PTF	WA0IDK	LZ1XZ	W7AV	JR1BAS	NB3R
K2LP	WD8DSB	LZ2XF	W7CB	K0FLY	NG7A
K2TK	WS4Y	N0STL	W7QC	K0XM	NJ3I
K3KG	YO2IS	N2AJ	W8GB	K1DJ	NN4SS
K4AQQ	ZL3RJ	N5AQ	W9DX	K1EDG	NU1T
K4KAY		N6WM	W9MAF	K1NA	OE5JDL
K4LM*	101	N8AG	W9ZCL	K1NZ	OK1DXD
K5ZO	AA2VG	N9DR	WA3EKL	K2CBI	OK2PAZ
K6DJ	AA4NU	N9JCS	WB3HLH	K2CYE	ON4ANN
K6MI	AB4GE	NE1F	WC4H	K3TZV	ON7EH
K7BHM	AC5O	NX2X	WK9U	K4FT	ON7GB
K7UA	AC9S	NZ9Z*	WR2G	K4KSY	ON9CC
K8BHZ	CT1JGA	OA4TT	YO6BHN	K4MS	OZ1ZD
K8OQL*	D44BC	OE3WQB	YV4DYJ	K4UQC	PA0INA
KB9DAK	DH2FW	OH2OT		K4YJ	PA7RA
KG8CW	DK9WI	OH3TY	100	K7VIC	R3PJN
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KN4KL	DL3ANK	OK2BOB	A41ZZ	K8CR	RA3SD
KW4BY	DL5JS	OK3EY	AA4AK	K8CS	RA4LW
KY6R	DM3ML	OK4MM	AB4VV	K8LBT	RA6XB
LA3ANA	EA1WX	ON4LG	AC4VM	K8LE	RC2A
N5RZ	EU1TT	OZ5HP	AG4Q	K9NZ	RL3BZ
NZ3M	G3ZFC	PA4WM	AI2S	KB0EL	RN1A
OH2EA	G4FJK	RA3AH	DJ6OI	KC0V	RT5A
OK1DTN	GM3WTA	RA4P	DL1HRN	KC4D	RU3GF
OK1JDX	HB9NL	RA4SD	DL1TPY	KC5LT	S53MJ
OK3CSQ	IV3GOW	RB7GG	DL9GTB	KD3UY	S59DJK
ON5UE	JA1VVX	RK9F	DU7ET	KD8BZY	S59SV

SM5AHK*
SV1VJ
SV2DSJ
UA3AKI
UA4PAY
UA6CEY
UN6P
UR4CW
UR4LRG
UR8IDX
US8UW
VE1RGB
VE3OAT
VE7JKZ
VP2VA
VR2PX
W0GYH
W0MU
W1AN
W1YRC
W2CCC
W3BBO
W4HHN
W4OV
W7DT
W8CNL
W8FN
W8GDQ
W9FI
W9HBH
WB4SON
WK4Y*
WU2M
YB1TJ
YL2SM
YO2OXD
YO9FLD
ZP9MCE
ZS2DL