

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 29 Jan 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	UA4CC	316 4X4DK W2VO	310 I4AVG KJ9I RA3CQ SM5BFJ SM6CVX	304 CT1EEB DJ0MDR	N1BUG SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	315 IK4WMA OH3SR S50U W1JR	309 UT5UGR W5IZ	303 F5LGE JA1BK JA4LKB K1UO SM3GSK YU1FW	298 9A2AJ IK2DFZ OZ3PZ SM5CEU
340 K1ZM	324 K2TQC OH2BO W1NG	314 IK4GME K5RK N1DG NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG	302 DL4MCF GM0GAV GM3YTS	297 DK5PR N4CC OE6IMD OM2XW RA3DX W0FLS
339 W4DR W4ZV	323 EY8MM S50A SP5EWY	313 GM3POI OE3GCU OZ7YY	307 DJ7MI N4RJ OH5VT UT3UA VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX S54E	296 DF2UU F5NTV G4PWA OE1WEU ON5NT W1JZ
334 N4WW OH2BU	322 K4PI UX0UN W3UR	312 OH1MA	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD PA3FQA RC3FL SM3EVR SP3EPK SV8JE VA3EF	295 JA2JPA K3UA
333 R7LV	321 WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A RZ3AM SP2FAX	305 JA7NI K4ZW N4IS NN4T UA6A		294 JA4LXY JH2FXK LA5HE RJ3AA SV8CS WD5COV
332 UR0MC	320 SM4HCM W8UVZ				
331 K5UR	319 K8MFO N0XA SM4CAN				
330 AA1K HA0DU LZ2DF OH1XX UT7QF	318 W9ZR				
329 K3UL UA4HBW	317 W3LPL				
328 R4GM					

293 DL1AMQ S58T	N2QT VA3DX W4PK	HB9BIN NJ6P SM4DHF SP6HEQ YO3APJ	K1ZZ SP6AEG W6UB	LA3MHA NR1R R3LA W8TE W8XD	259 DF4PL F6GCP I1FQH N3NT R9FM
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN UA6MF	273 IK8HJC JA8ISU K2CL K5BG KF2O MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA1V AA4V AA7A G4OBK RW0LT SV8BHN YO5BRZ	258 G3ZSS KW9A N5KD RN3CT VE3QAA
291 9A7V DF3GY KD9SV N0TB R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	285 CT1APE G4CCZ HB9BGV	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W UR5WA	272 9A2EU CT1EKY DL1DUL DL2OE SP6CIK	264 AA6YQ IK2YCW K7ZV SP9JZU W1GL	257 IK5HHA K1GUN W9YSX
290 IZ0AEG UA3AKO	284 K5XI UA3AB	277 AA4MM DJ9VA F6AOJ IK5BAF ON7TK SP9DWT	271 EU7A G4GED HB9AMO OZ1CTK	263 IZ1ANU K9OW LA5IIA W2SM W3AP	256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL N8TR PA7MM W1TSP
289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX JH4IFF K4SO K8KS N2LT N7NR SM6CTQ SP3DV US5WE UY5ZZ W0BV W2YC	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ RU3FM	270 JA5AUC OE5KE SM5KNV	262 G0DQS K4XP KR9U W1YY	255 K4QL KY7M N2MF R5AJ UX0FF W3DF W5OZI
288 PA3GCV RY9C SL0ZG SP7VC UA4LY W0JX WK3N	281 DF2PY JA2PJC JA5EXW K1CP K9CT S59Z W4TO	275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU SP5CJQ UW2ZM VE2TZT	268 DL5DSM G3WPH RA3XDX RK4FD W1MK	261 9A4T DL9YX EI7BA K2EK K5KC N6SS NO8D SP1S SP5DIR	254 N0AT OM3DX WA4FFW
287 DL1RWN G3XTT	280 EA6NB	274 G3TXF	267 LU8DPM RZ3DX	260 EA5BM K1LT K4DY KX4R	253 5B4AGN AA1QD K5ESW S58Q UA1OMS W0YG

252 EA1DR IV3YYK JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD K0IEA N6TR TF4M W2TQC W5XZ	UA3TT VE1YX VE3NH	235 CX6VM JH4ADV K3SWZ KA9CFD N6DX OK1CF R7DX VE3XN W3LL WA7NS	230 DJ5FI FK8CP JA1CMD N8JV SM3NXS W4GF W4VQ	225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR US0SY VA5DX W7KW
251 DJ7RD DL9RT I1EIS JA2VPO JH0BBE N4II VK4MA W5UN W7LR	245 AB3CV DL4CF JA1GV N9US RL9F RY7G W9XY	240 JA0CRI K0JUH K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA	234 AC4G AJ6T IZ8FFA K1AR K4UTE KF0QR PY1BVY	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	228 AF9H AI0O EA1N K4HB N2WK OH2BEN SV8CKM VE3DZ
250 HB9RG NQ1K OZ8BZ PY2RO	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	239 G8VR JA5MHD JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK	233 AB4I EA6VQ JA0FSB K0CS K2UU KA7T SK3PY UA4HAU VA2WA W7AO	227 DL7HU E72A ES1RA IK0HBN IK6FWJ JA1UQP JA9CHI K1FK K3NW KD0Q W1TC WB6RSE	224 DL5WW I3BUI IZ1LBG N8BM SP5INQ VK6VZ W0VTT W2RQ
249 AI9L IV3ODE JR3IIR K9NW SP5DRH	243 DK2JX DK3DG IK0MHR JF8QNF NN4X ON4ATW S57A W9RPM WX4G	238 DL8WN EA6ET IK0XEZ JA0DAI K1DG VO1HP	232 JA8EAT K2AZ K4XL NI6T NV9L S51DI UA3AP	226 JA2NDQ JA6BZI JF2KOZ JR6EZE K9FD* N6AR N6JV ON4GG UT5JAJ VE6WZ	223 AB0X HA7TM JH2TPI RT6T SV2JAO ZS4TX
248 K3WW K5RX K9RX N2NL SM3VAC SV8GFW T77C UT9FJ W9NGA	242 KG7H	237 DL7MAE NI0G OM4EX RA0FF UR5EDX			222 DF6PB IV3JVJ K3SV K6EID N5AW N8PR N9BX SM0CCM SP7GAQ W9BF
247 K6XT NO2R R7IA WB3AVN	241 EA4KD JA1SYY JA3EMU K2FF K5ZK N4XM N5TY N7RT OE2LCM OK1DWJ SP5GRM	236 K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK YO9HP	231 4X4NJ HA9RE IK0YUT JH1HGC K5EK N7NG ON4ACG W9IXX		221 DJ8NK K4MWB K8FH K8SIX MM0EAX

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W1ZK	OE1ZL	SM5CZQ	K5RT		K1GG
W6JRY	RZ0AF	WB9CIF	K8EUR	202	K6GXO
WA7NB	W0GJ	WS9V	N9AU	DL1MGB	N4DW
WS6X	W6XA		PY2BW	DL2KQ	W1TO
	YO7LCB	211	W0LS	DL9DRA	YO2DFA
220	YU3AA	F6DAY		EA1RT	
AG8B	YV1DIG	IK4DRR	206	JA3CSZ	198
DK2NG		JA4DEN	DM5EE	JA5AQC	DL1ROJ
HB9LCW	215	K3WA	IK0IOL	JH3VNC	G3UJE
HL5IVL	AD5A	LA7GIA	JA3PIS	JJ2KXK	G4BUE
JJ3PRT	JA9PPC	NX0I	K2VV	K2NV	IT9JNR
JR4OZR	N7JW	RU3SD	K5AQ	LY1G	KV7K
K8ZTT	RA1QD	UR5FEO	KG9N	N7KA	RX3APM
KA1R	W0UO	W1ECT	N8DJX	OK1DOT	W8HB
N1LN	W2LK	WA5VGI	SM6BZV	R9TO	
N5JR	W6YI		US0KW	RA3S	197
VE3EXY		210	VE3BW	SM2OAN	G3SNN
	214	I8SAT		UA9FAR	HB9DDO
219	DL7BA	JH0INP	205	W7DO	I5KKW
IK3VUU	HL3IUA	JJ2LPV	I4KDJ	WA2HZO	JH2UVL
JA2FBY	JA2JW	LA4GHA	JA3AAW	ZL3IX	K8NVR
JA2FJP	JA2WYN	UW7LL	JA9FPI		LA5YJ
JG1ULJ	K3JGJ	W7JW	K1DT	201	OE4PWW
LB8DC	K4NA		PY2XB	AA5AM	OE5FIN
N0AV	OK1DX	209	W8UN	CU2DX	ON4CD
OE8RT	RN7G	DL5CF	WB8ZRL	DL1EJA	RZ6FA
RA3WDK	W4NL	DL9MRF		F4BKV	UA0SC
SP4K		EU1KY	204	JA9NFO	UT5EL
UT7UV	213	HB9CXZ	DJ5AV	JO7WXN	
WA2UUK	DF2IS	HB9DDZ	IK7NXM	K3HP	196
	EI3IO	JA0UUA	K4JJW	K3LR	4Z4DX
218	HA1RW	N9LB	KK4SI	K5MC	AA4HP
DJ4PI	JA2IVK	VE1DX	LX2A	N4QS	AG4W
DK0PM	JF6DSZ	VE3LYC	N4NX	N5ZM	DK2LO
IK1YDB	K1ST	W0ZR	N7FU	W5TCX	F6EXV
JA8CDT	NA2M	W7KNT	UA0SR		IK4PLW
JF3KON	RU4SO		US6EX	200	JA4PXC
K0EU	W0LYI	208	W2HUV	JA1GTF	K8PO
K5UO	W1FJ	G3NSM	WD8PKF	JH2RMU	KA9FOX
UT4MF	W2WG	JA7MSQ	WF4U	K1GE	KP2A
W5PJR	W3YY	JF4VZT	W18A	K9US	ND0N
		K2FU		LA7HJA	RA9CMO
217	212	N5ORT	203	RW4NN	RZ4FO
K5PC	AA9A	RU3ZX	IZ8VYU	RW7M	W0FS
ON6YH	DL9GFB	UN5J	JA2XYO	UY0ZG	W2FCR
UA3AGW	K4MQG	UY1HY	JE1PNX	W0DD	
	K8ZH	W6PJ	K4XO	W0MHK	195
216	KE9I	W9EWZ	K8AC	W2IRT	EA3JL
JA6LCJ	KG6I		K9MMS	W3GG	EA5RM
JH1IFS	LA7JO	207	KK2I		G3ZEM
K5EJ	N1ZZ	I4LCK	PA0A	199	JA1EOD
N4PQX	N4MM	K1LPS	R6AF	JA2DPC	JH1QAX

JN7FAH	191	OK1CZ	W2FP	NE0U	4Z5MU
K7SO	GOOIL	SM0NJO	W8NW	SM7DLK	JA0GJJ
K9RT	JA1ANR	W7AWA		SV1JG	JA2XW
KF8UN	K0JGH		182	W6NWS	JA7MOL
N1SV	K8FC	186	DJ9ON		JF7DZA
NK1K	K9LA	9A8A	DK3UA	177	JK1OPL
W5ZG	RK2FWA	IK2QPR	JA1SHE	9H1SP	JR6PGB
W9OP	WA2VYA	IZ8FWN	UR3EO	AE5E	K0TT
		JA8DNV	W1YM	CT1EAV	K2KA
194	190	K0BJ		CT1GFK	K3AJ
K4KDX	CT1IUA	K3PA	181	EA8JF	K4TR
K9JF	IZ8XQC	K6SRZ	DK3WW	HA5WA	K4WS
KB9LIE	JA1DUH	K7LAY	N3OC	IK4ADE	OE1WHC
KC9ARR	JA1MCU	NE1B	VE3OSZ	JE1BMJ	OK1DWC
W1NT	K2TE	WA3C		K3WC	RN7F
W2LO	K9KU		180	K9NU	UA3LNM
W4FC	KF7PG	185	DM2DXA	SM6DHU	W8UV
W4UM	KM1D	AB6QM	DM3VL	W2OR	W8VVG
W9OO	LA7AFA	EA6BF	JA2BDR	W5LT	WT8C
WD8JJA	N4XU	G3KWK	K2EP	W7FI	
	N5GH	IK3SWB	K4CN		173
193	SP2LNW	K0BBC	K6SSS	176	5B4ALJ
DL5ZB	VE7VV	K5ZD	K7BG	EU1AB	I1JQJ
DL6ZXG	XE2X	N4TJ	LA9AJA	I6FLD	JA1PPW
EA3WD		N5UR	N1RR	JA0DET	JA3ENN
HA5BSW	189	OE2BZL	N4AH	JA5IU	JA9TWN
JA1XEC	9A2F	SV1DPI	ON5FP	JA6BJV	K1NTR
K4ODL	EA8PP	UA9CBO	UT2UB	JA8KSF	K4XR
K9YY	FM5CD		W1RM	JL1SAM	KA1J
KB8VAO	JA3RAR	184	W3YQ	K8MN	N5FG
N9EN	SM7GIB	AA1ON	W8TN	N5OK	PY5EW
PA0LOU	SP7HOV	I2AOX		RL3FA	W8HC
RN1ON	UA7T	JA2ZL	179	W4BP	
UA0CA	WE9R	JF1NZW	IT9ELD	W4GD	172
W9MU		JF1PUW	IW0SAF	YO7NE	G0BLB
	188	JH1RFR	K8WK		G3NKC
192	AB4IQ	K4HGX	OK1MG	175	IZ5MOQ
9A2NA	JA1KQX	K5KLA	S57UN	JA1CHN	JA3FGJ
DK1FW	KB0EO	KB4ET	SM4DDE	JS3CTQ	JA9NLE
IK0FVC	KB1EFS	KL0S	SV3FUP	K4DLI	JG3IWL
JA0EOK	N8LJ	OH2IS	W2YJ	K5GKC	K0DEQ
JA7JWF	RM0F	S57AC	W7BEM	LA0FA	K1BD
K3FN	W6SR	US8UA	W8KEN	N7IR	K6FG
K4FJ	W8JV		YL2TW	N7XR	KJ0M
K5XX	WA6YEE	183		SM5FUG	W4FQT
K7GM		CT1FMX	178	SP1MGM	
K9EU	187	CT3MD	EA3CJ	TF3SG	171
N4DB	AJ1H	IT9INO	HK3W	VE3FF	AA9D
N5LZ	DF2GH	K8VC	JA2LCP	W7MEM	DL6KR
W3UA	JA0VSH	KE9ET	JA4MRL	WX0V	GOEHO
W8LGJ	K0SR	LA3WAA	JE2URF		HA9PP
WN6W	KN5O	NN2L	K2UR	174	JA6HUG
	N2NS	ON6SAS	K8RRT	4Z5CX	JR1TNE

K1NU	W6RW	RC9F	JH4CPC	J11NJC	DL4SZB
K9YC	W6VX	SM4CTT	K1USA	JR1GJP	DL6MRS
LA5LJA	W8OI	SP6EQZ	K5GO	K5TT	JE2DZC
N0RN	WA5YNB	W0DJC	K8ND	OZ1HX	JE3GRQ
N4OGW	167	W5BN	LB2TB	RU6M	K2LS
N7RO	DK5AD	WC5N	N4GN	SM4EMO	K4WA
N9RC	JE3ENP	164	OH6RA	W0SZ	N3RC
RA3DNC	JG0CQK	GU4YOX	VK3HJ	W1OX	NE0DX
SV1LK	K4XD	HA7UW	YU2TW	W2XL	NW7E
WB7B	K6KO	HB9BZA	160	W3GQ	SM6VR
ZS1LS	K8NK	JA1RTX	AD5Q	W4QN	ZS6EZ
170	N0IJ	JA7ZP	DL1DA	157	154
CT1FPQ	N3BNA	JH2SON	EC3A	AA4H	3V8SF
DJ6TK	PA3C	K1NJ	EI6FR	AC6DD	GM3PPE
JA6JPS	RA1AOB	N5WA	HB9DHK	DK1WB	HB9TKS
JF1WPB	RN9N	N9FN	HB9FMN	G3TQZ	JA8NFV
JM1GYQ	S51EC	RA3ZH	IW2FND	G4GIR	K0KVR
JR7BDQ	SP3FAR	SV2AEL	IZ4DPV	JA1GHH	K4RG
K6ZZ	UN9L	W4NS	JA2EPW	JH7IAJ	W1NA
N4PY	VE6WQ	W7YAQ	JE2LUN	K9GA	W2XI
SP3GTS	W1YW	WP4U	JE2OVG	LY5A	W5DNT
SV3KH	W3IP	163	JF2XGF	N5MOA	WB0TEV
W9AJ	WA0MHJ	9A2JK	JR7MAZ	NE9Z	WE1P
W9EVI	WA4LOX	DJ9HX	K3MSB	RN3OG	WS7L
WA3AFS	166	K7NN	NR4M	RU4UR	YS1RR
WC4X	4Z1UF	K8TL	RU6L	SM3PHM	153
169	DJ4SO	UR4CWQ	UA0FZ	SV8ZS	AJ9C
IK0PEA	IV3TDM	VE3CFK	UX5UO	W2TA	DL3ZA
JA1ADT	JA1FNA	W7AL	W1BR	W5GZ	EA5BY
JR1IZM	JA9LJS	WW3S	W5XC	YV2IF	G3TJW
K1LI	K3KY	162	WX0B	156	HL2CFY
N4XX	K4JLD	4O3A	159	DL4MM	JF1IRW
N7US	K4PB	9A4W	JA4FKX	F6HDH	JR9OPJ
PE1L	K4ZYU	F3AT	JE2LPC	IK0AGU	K7SP
UT8MM	K9MBQ	JA6GIJ	JH6QFJ	IK0FUX	K8VJV
UY5AA	OH2BLD	K1KI	JH7CFX	IZ8IEV	N4TV
WB3JFS	RM3DA	LB6KC	K1KA	JH2QMT	N5TW
168	W1RR	N8MR	K4RO	JO7HAM	N8II
G3MXJ	W8ILC	RW3RN	W3HKK	K0QC	R9OK
IK2EGL	WA8TXT	W0HT	W6BJH	K8YSE	SM6CLU
JE7JDL	165	W0TT	W7SX	KS1J	SP5CCC
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K5QY	I2ZGC	W3JX	WA9PIE	N4HB	WB8BPU
K8RYU	JA6VQA	W4DKS	WD5BJT	UA3SAQ	152
KR4F	JE7RJS	W8WEJ	158	VA3LX	EW2A
N4QQ	JN4MMO	161	DJ4PT	W1YIF	HB0CC
N8BJQ	K5JZ	DK2GZ	DL1FKA	W4TV	HB9BUN
PA7F	KI5BLU	DL6RAI	JA9APS	155	JT1CO
SP5GH	KK4CB	JA1DOF	JH1TWT	AB9V	KS3F
W4SVO	NY0V		J11FXS	DL1RK	N9OY

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VE6LB	JR5JAQ	K5KV	143	N8OC	W0SD
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W1VT	K3TN	K5VWW	DL6EN	OE6VIE	
W6RLL	K4YYL	K6NR	HB9HFN	SV3FUO	138
W7AJ	K8ME	K7WP	HS0ZEE	W3BW	DK8MCT
WB3CQM	K9MK	N7BT	K7CMZ	W4JVN	DK8YY
	NX8Y	RU0SN	K7CW	W4VIC	EI9FBB
151	SM6CUK	W1IZL	K8ROX	W4WT	EU4A
AA7G	UW7UA	W1ZT	KJ9C	W8HW	F6DDR
DK2OY	W0GG		LZ2ZG	ZS1C	IK8EPC
EI9JF	W7HPW	145	N2RJ		JA3OOK
F3SG	WB8B	AF4HX	N2WM	140	JF3LOP
JA6BEE	WD5K	HI3T	N5UW	9A1CAL	JH7RXU
K2FW	WS5W	I0JBL	N6PAT	DF2RG	JK1AJX
N1EN	WW2DX	JJ3HGJ	R8TX	JA9RRH	K1RO
N5JB	YO3DDZ	JN1BMX	W0IZ	K5WK	K2RET
OK1ATP		K1OA	W6QUV	K6KLY	KJ6P
RD3A	148	K3VAT	W8RLS	KF8DX	KK1W
RU3A	DK2CC	K4OY	WB8ZRV	N4XP	NA5C
S54A	EA7TV	K8BL	WD9DZV	N6PSE	OZ8X
SP7AWG	F5CQ	KF6HI		N7WS	RW4CY
SV9AHZ	F5LVL	LA6OP	142	OH6NIO	V51B
W7RH	HB9SLO	N1CGP	I5HOR	OK2ZV	W1GD
WA1Z	JH1QDB	N4GG	IT9BLB	ON7DR	W2YE
WP4G	KR2Q	RT0F	JE1FQV	UN1L	W4YV
	N2WB	SM3DTR	JR7WFC	VE6SV	W7OM
	NE3F		K3PP	W0SEI	
150	W5FKX	144	K4WZ	W4NU	137
EA1AF	W9JJB	CU3EQ	KQ4AV	W7IV	EA1YO
IT9DSZ		DL5CW	LA9VFA	W8LWU	GM3YOR
IV3RAV	147	DL5KUA	MM0SAJ	WO2T	IZ0RVI
JA2NQG	EA3GP	E70T	N5XZ	YL2MU	IZ2FOS
JA2VQF	IV3VBM	EI6IZ	N7QT	YO9FNP	JA3APU
JH1NYM	JA1SVP	GM3ITN	NA4D		JE6TSP
K0RS	JA1XQC	HB9BYQ	NQ7R	139	JH4JNG
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N3QE	K8UT	JA3GN	W5ADD	DL5EBE	N2PK
N9CO	KM1H	JR3OEH	W5LUA	DL8OH	ON6AA
N9MB	N1IBM	K0VSH	W5VQ	JA1TMG	RA3CO
OE8SPW	PC3T	K5TR	WA5POK	JH0BQX	RG7G
SV1CNS	UN7LZ	N1IX	WB8CQV	K3ANS	UU1JA
UA6YW	W1OP	N3KK		K6AM	W1ITU
W6DAO	W2KKZ	SM4OLL	141	K8GI	W2CG
W7CT		SM5CLE	AC9S	K8RF	W5ODD
WA2BCK	146	W2/CT1GIF	DL5MHQ	KD0PO	WB5JID
	F5PAC	W4GE	EW1BA	KU0A	
149	G4FTC	W7ZI	JA1PTJ	LA8WG	136
AA6AA	JA1HQG	WC5M	JA2ATE	OK1MP	DS1JFY
DL7CX					

E72U	OE1TKW	W5AJ	RU1AO	127	YU1EXY
ER0FEO	PY5HOT	W5SL	TA1CM	HK1MW	125
IK8CNT	RG6G	W6DR	UN7JX	JA1DDH	9A1AD
JA4OK	RX4HW	W7AH	VE3DO	JA1WLO	GW3TMP
K0TV	UA0ACG	W7CD	W2MPK	JA8RJE	HB9RYZ
K6EME	W1EQ	W9FR	W9ZT	JS2LHI	HK4SAN
KR6C	W4JKC	WB3D	129	K0RW	IK5DNF
N2ZN	YU1AM	XE2S	HB9AZZ	K3TRM	JA4IYL
OK1DW	133	131	JA1NWD	KM4H	JA6VU
SM5OJH	9K2NO	CT1FCX	JA8JO	KM4NS	JE1TSD
SP2BMX	EU1U	DK7YY	JI4POR	N1AC	JE6UWU
UT3UZ	IZ8DFO	G3UHU	K3NK	N1GC	JF2WXS
UW8SM	JA7GLB	HS1NGR	K4TT	OE8HIK	JH3CUL
W2OIB	JA7LGE	IV3KFB	K6XM	S51NM	JH4ADK
WB7QXU	JA9AGN	JA2TBS	KM3V	SK7AX	JL1RUC
135	JH1HHC	JI1DCW	N0YY	SM0BYD	K1HAP
5B4MF	K1ZN	JJ1TEA	N3KS	SP6A	K5KG
DJ9ZB	K2CDJ	JM1FHL	N3RR	SP7ASZ	K8DV
F6FXU	KS4YT	K1UU	OH1JP	W0CP	KA6BIM
HB9IQB	KU2A	K5VIP	PY5EG	W0RT	KI4WCQ
IK8GYS	N9MR	KH2L	W7QHE	W0YVA	LZ1XL
IV3DXW	OE1KM	N4QWZ	W8MET	W3BG	N2KA
JA7LMZ	RA5BM	N5PHT	128	W3MF	N3EN
JA8BNP	RV4LC	N6RK	AA4SC	126	N4JT
JA8JL	SV5DKL	NA5DX	DM2RM	DJ8WD	N9RD
JH4HMG	UQ2PZ	NN4R	HB9CQK	F8BPN	ND5S
K1ZE	VE3WT	ON4ON	IT9ZZO	G4IUF	NW6S
K7FL	W0NFL	R0SR	IU0HDC	HB9FMT	OE1AZS
NZ9R	W2QO	R9MJ	JA2AHH	IZ7EVZ	OH1ZK
R7LP	132	R9SA	JA2KSP	JA1XCZ	RA0BA
RN3RQ	AA4NC	W8DCH	JA9AA	JA7KY	UN7JID
SM3LGO	AB9M	130	JE1LFX	JJ1DWT	UU7JM
SM5CZK	AD6W	DF9ZW	K0FF	JN1RQV	VE3UTT
SP3XR	IT9RDG	E73M	K3XA	K2ZD	W5DAW
W1DIG	JA2KVD	EI2JD	K4JAF	K4JKB	W9CG
W2GD	JA6CBG	G7VJR	K4SE	K4XU	YO2RR
W4BUW	JR2LJO	HK0HEU	K6LPO	KC2LSD	124
W4MBD	JR6FC	JA2FBC	KG7CW	LB7ZG	AA7XT
W4RFZ	K6YUI	JG1DUZ	LB5WB	N8NA	IK3VBB
W6JTI	K7TM	K2MYR	N5KM	OK3CQD	JI1DHY
W8GNM	K9ZM	K6SIK	R9SG	OZ1IKY	K4ZO
WE4S	N6HY	K7LFY	S53X	PA5TT	KD4POJ
134	ON4CAS	K8BCK	S55DX	SQ5EBM	NA2U
CT3HF	OZ2RH	K9GL	SM3GQP	VE3CX	PA0TCA
IK4DCS	SM4BZH	N3MK	SV3DCX	VE7BV	PA3EWP
K1TO	SM6BGG	NA4EA	VQ9LA	W8MK	UA0BA
K3OX	SP6M	NO9E	W2WC	W8REW	VE1DUN
K7XB	VE3CRG	OZ2ABI	W4IS	W9ILY	W2JU
KA8SYV	W4AXL	R3VA	W6RKC	WB0O	W2RIJ
KX4TT	W4RBO	R5QA	ZS1A	WB2REM	W3FM
N9RS	W4WM	R9AB	ZS6UT	WD4LBR	W6CYX

W8LMG	NA9RB	N0OK	118	K8OOK	DL9GOA
123	NN7X	N4BAF	5T5PA	K8QM	G4XEE
AB1OC	OE3SGU	N4TB	AB2E	N2BJ	G8BCG
AC4TO	OZ3Y	N4TL	AE3T	N3ND	G8DX
DL7JRD	RD4A	N4UFP	AG1A	N4IR	HA5UK
DL9FCY	UU4JMG	OE3EVA	DL5OCE	N6MB	IZ7JVR
F4GTB	VE6AX	OZ2A	JA4FHE	N8AA	JH1RFM
G4WFQ	WA3I	PZ5RA	JI8DGO	N8XI	K0GD
G5LP	121	RL3BZ	K3WGR	NY4G	K0SD
HB0WR	AA6RR	SP7ITB	K4CNW	SM7BIC	K4CMS
IK2CHZ	CT3KN	UR5IKN	K8LN	SP8HKT	K4GHS
IK3XJP	DF1DB	US0YA	K8WVA	UA6J	K4GK
JA0CRG	DK1EI	W2YR	K9DR	UB3A	K5XM
JA1SJV	DK6CQ	W3OA	K9SG	UR9IDX	K8YTO
JA3MHA	IK2SGB	W4PRO	KD2T	US1CT	KO8SCA
JA6WJL	IK2SGB	W6RFL	KD6UO	W4ZRZ	KV1J
JH3AIU	KD8RQE	W7RN	KG8CW	W5JMW	LY4T
JR1EBE	KG9Z	ZL4AS	KV4AA	W6SL	N0IRM
K2PK	N1JP	119	LZ2HM	W8ZR	N4OA
K3XO	N6HC	AA3AZ	N2MM	WA2USA	N8KOL
K4ZIN	SV1AHX	AJ4A	N3NR		PA3AXU
K5GH	UQ1GWW	DK3GG	N4DJ	116	RZ6MJ
K7UT	UT4EO	EW4M	PY2PA	AJ4F	UA1ANA
K9CS	UU2JQ	G4DJJ	RN3TT	DL7URH	UA1CGS
KV4T	VA3AYA	HB9AAQ	SP6JIU	EA5BRE	UA6XT
N2ED	W0QQ	HB9BCI	SV9COL	EI2GLB	UN6T
N4DWK	W2GG	I2TZK	TA2RC	HA7PF	VE3YF
N6MZ	W2TB	I4MKN	VK4CAG	IK0EIE	W1OPD
N9JV	W3RJW	IU0LFQ	W1KSZ	IK2OHG	W4UCK
N9LQ	W6XI	JA3AZD	W4DAO	IT9TQH	W9XX
NA2P	W9YE	JA4XGC	W4NF	IV3HYD	WA7BNG
S50B	WA1PMA	JE2JMV	W4NJ	JA1WTI	YL2CZ
UA3DK	WY1G	JH6CDI	WT4Q	K1DC	114
UT3QU	XE1VIC	JR3UIC	YO4AUL	K1RI	AA4DD
W1AO	120	K5UZ	117	K3FRK	BA4DW
W8NJR	9A5F	K7EG	9Y4VU	KT1V	BA7IO
WB8K	AC9EM	K8KWT	AE0P	PA0JSE	CT3FN
WV4TN	AL7TC	N0KV	BH4IGO	RV3ID	CU3AK
XE1H	DL2VWR	N4LR	DL1DWT	TZ4AM	DL6NB
122	FG5FR	N8PW	IT9AAI	UA4PCM	F6CWA
G3NDC	HB9BLQ	N9UA	IT9DAA	VA7CRZ	G3SDL
HA1RB	HB9DHG	NT2A	JA0AOO	W1ENE	HK3PJ
JA1MRM	IZ0LKV	NY7T	JA1HQT	W1WEF	HP3TA
K1ESE	IZ5NFD	OH5NG	JA4FM	W7GG	I5OYY
K1YT	JH4GJR	OK1DT	JA7GYP	W7OEV	IK7YZG
K2MP	JR6LLN	R6FFB	JA7IC	W8LRO	IW0HEX
K7ZA	K2BA	SV1ACK	JM3GXU	WP3R	JA2KNW
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LA7WCA	K3QIA	W0RX	K1BZ	115	JA5WIZ
LA8PT	K5JC	W4HZ	K2BB	AA5JF	JH1AGU
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	KA8ZPE	XE1RCS	K7PI	CU2CE	K1RV

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K3MD	UN7TW	VE7XF	W4HOG	W4NE	G3VAO
K3OSX	VE3KI	W1HEO	W4OX	W5VY	HB9BAT
K5RJ	W2GW	W2CVW	W5AQ	W5ZPA	HB9CEX
KB8U	W6BK	W2SKI	W7VS	WB4TDH	HB9FAN
KZ4V	W8FAX	W3MR	W8KA	WL7E	IK0PRG
N1QY	W9DX	W3UL	W8MIL	XE1FAS	IZ0BTV
N2JJ	W9VNE	W4VHF	W9RB	YU7AU	JA2MOG
N3MN	WA4DOU	W5VX	WA2BOT	ZL3NW	JA3NHL
N4IQ	WB2HJV	W6TC	WA2MUA		JE2UFF
NU8Z	WB2UFF	W8GEX	WB9EEE	109	JJ2PIK
UA3FT	WS4C	W8HMK	YL3DQ	DF1KG	JK1MZT
W0VX	WX3P	W9SE	YO6HOY	EA3GHZ	JR7FRW
W4TUN	XE1RBV	WA8MCD		EU4T	K1EP
WA1FCN	ZL1BYZ	WA8OLN	110	F8EZE	K1XM
WA9YYY		WT9U	CU3AN	G3SVD	K2CJ
WN9O	112	ZP6CW	DG7RO	J68HZ	K2KQ
XE3ARV	A92IO		DL1VDL	JA2CXF	K2MK
	DJ1RL	111	EA5BYP	JA4BXL	K4WY
113	DK5RL	AA4U	F5BAR	JK1EXO	K6UT
9A1A	DL5CL	AB4GE	G3LNS	K2ONP	K8OM
BA4RF	EA1JO	AF4OX	G8AJM	K4RDU	KM8AM
DJ5DT	EI8IU	DK2WH	HC1BI	K5KA	KN4JX
DJ9RR	EW1DO	DK6ED	I2BBJ	K6MW	LU2DKT
DL8CM	G3XGC	DL1HRN	IK5RUN	KC2STA	N4MEC
DL8DYL	HB9CRV	EV1R	IK8UHA	KE1F	N6RFM
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G4AFJ	HB9G	G3PLP	JH1VHU	N8NN	NU4Y
JA0GCI	IU8FRE	G4DBN	K1EO	N9ISN	PA0ZH
JA2HYD	IZ4DIW	HL3GOB	K3JRR	ND4V	R5FY
JA4ITW	JA1SXR	JA1AUD	K3PH	NN4RR	R7LA
JH1ORA	JA7BXS	JA1FGB	K4WW	NU4I	RX6DX
JH3GCN	JG3LGD	JA1NCZ	K5WAF	NX7U	S57J
K5CD	JI4WAO	JA1OVD	K6MI	PY5CC	SM6AOU
K8SL	JR7TEQ	JA5FDJ	K6VKO	RW4UU	UX7UN
K9FN	K0JPL	JE2EHP	KB4MRX	RW9QA	UZ6LWZ
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KA4RRU	K1KO	JF2WGN	N2CG	TG9NX	W3NRJ
KH6DX	K3NF	K2HAT	N3HBX	UB5ZAL	W4ZYT
KI0G	K4UAS	K7ORK	N3IQ	UT7KF	W6KK
KT1J	K8CC	K9AJ	N3JB	VU2CPL	W7ACD
N7KO	KB2FCV	KM1R	N4KE	W0VHF	W9HBH
NA3F	KI4DLS	KZ0X	N5BO	W5WP	WA2ALY
NG0G	KM1C	LA0CX	NC6K	W9FI	WA4CEM
NI5F	KM3T	N4WJ	NY4I	WB5TUF	WA8MOA
NK5B	LA8HGA	N7BD	OZ1LCG	WC2K	WC1M
R7NA	N5ZC	N9HF	RD9M	WN0L	WD9EQU
RA4UN	N6MA	NA1DX	SM5BHW	YV3AGT	WW1WW
RZ3AUL	N6PE	UR6QA	SV1VS		
SM5ARL	RU4SU	UT1UY	UA3O	108	107
SP3EPG	SM3DMP	VE6KC	US7MM	AI2Q	4Z5LA
SV1FKZ	UA1ACG	VE7CT	W0UY	AL7R	DJ8ES
SV1JFV	UA1CEI	VE7UF	W3XY	DL6CNG	DK3FB

DL2CHN	DJ6OZ	YL2GN	VY2ZM	N4TTE	I0OSI
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DO4DXA	DL2NOM		W4OWY	N8MZ	IZ0CKJ
EA5AT	DL3JSW	105	W5KI	N9DR	JA2GQO
EA7QW	EA3CCN	DF2PI	W6FF	NJ9C	JA2OLJ
FG8OJ	HA8DZ	DF8AA	WQ5W	NK7C	JA8EJO
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G4RGK	JA1VLK	DJ6KH		OH2OT	JM2RUV
HI8R	JA2MNB	DL4ZAB	104	RA1QX	K0EEO
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K3YBN	K0DEW	IZ2EWR	DL4FAP	UA9FGJ	K9XJ
K5FZ	K1PX	JA1BWA	DL7UPN	US5CAO	KE1IU
K5KPE	K4DSE	JA1TAA	E73D	UT4EK	KJ4R
K8LBT	K4SAF	JA6VA	EA8ZS	UT7EC	KJ7WY
KE2R	K5AM	JA7BME	F6AJA	UX4UM	KM9E
KZ1W	K5ZQ	JA8RRF	F8GB	UY0MM	LA9GX
N2RR	K8JJC	JA9APM	G3BRD	VE3VHB	LX1DA
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N4RF	KQ3F	K1DJ	HK3O	W1QA	N1HOQ
N6EE	N0JZ	K2XF	IK0DWN	W3DRY	N9BBQ
N7TY	N2CW	K4MS	JA1SDV	W3TMZ	N9SF
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OE1CP	N8AID	K7PO	JF6WTY	W5ZO	OK1DQT
OK2BUZ	NA5Z	K9RO	JK1BSM	W6PH	OK2BQU
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RN4AA	OE5CSP	KX2A	K0WK	WA0RVK	PA0GMM
RV6ARZ	OK1AYU	LZ1JZ	K1BG	WA9ETW	R9GM
SP3BQD	OK2BVG	N4JI	K2BLA	YC0LOW	RA0FA
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VE3OI	UT7UU	N4VN	K4MF	103	RU3OW
VK3NX	UU5WW	N6NU	K4VIG	AG1I	SM3CBR
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W6TDX	VQ9SS	OZ4AAL	K5HK	DJ1MM	SM7BHH
W8VK	W1CWU	PF7M	K6UM	DJ7PI	UA3PFN
W9CPV	W2EQ	PJ2/K8ND	K7TJR	DL2HX	US2WU
WB6CJT	W2LE	PY2DS	K9EA	DL8YRM	UT2AB
WB8ART	W2NO	R6YY	KA2BZS	DM5TI	VA2ZO
WS1L	W3ICM	RA6AF	KH6KG/W5	DS3HWS	VA3IC
XE2YWH	W4IR	RD4WM	KI0KB	EA7SG	VE3EDY
YL1XZ	W5JAY	SP5JXK	KK9H	EU6MM	VE3MFA
ZL3RJ	W8IW	UA6LCN	KW0A	EW3LB	VE3VV
	W8OP	UR1RWX	LZ2XF	G3BDQ	W0UVC
106	WA4MYO	UR2RGN	N2SQW	G4AAW	W1CTN
AA4FL	WA6TLA	VE1PZ	N3ER	G4PUQ	W4AVY
AE2U	WC6DX	VR2MY	N3TR	G4VGO	W4MZ

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W6SZN	ON5UE	JA2VMU	RY6M	EC5A	N2SG
WB8BZK	PA7TWO	JA6TMU	S59DJK	EI9E	N2XQM
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	PY2DO	JF1RPZ	SM7NDX	FM5GU	N4CRI
102	R2AB	JH3HGH	SP7JLH	G0VXE	N4ZR
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CT4BD	RU3UN	JI3KDH	UA0FDX	G4CGG	N7TK
DK3QM	SM6WET	JO4CFV	UG6GAW	GM3ZSP	N8IL
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IZ4MJP	W2LW	KC4PX	W4BUE	K1NA	ON4ANN
JA0HXV	W2TX	KD3UY	W4PM	K1NZ	ON7EH
JA4EVN	W3EKT	KE1VT	W7AV	K2CBI	ON7GB
JA6OXT	W4ALF	KE4S	W7CB	K2CYE	ON9CC
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K2LP		N2AJ	WK9U	K8CR	RA4LW
K2TK	101	N5AQ	WR2G	K8CS	RA6XB
K3KG	AA2VG	N6WM	WW5G	K8LE	RC2A
K4AQQ	AA3LX	N8AG	YO2OXD	K9NZ	RN1A
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KB9DAK	DL1KS	OH3TY	AA4AK	KP4N	UA3AKI
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KN4KL	DL5JS	OK2BOB	AC4VM	KS4XQ	UA6CEY
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KY6R	EA1WX	OK4MM	AI2S	LA8W	UR4CW
LA3ANA	EU1TT	ON4LG	DJ6OI	LU5OM	UR4LRG
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NZ3M	G4FJK	PA4WM	DL1TRK	LZ3YY	US8UW
OH2EA	GM3WTA	RA3AH	DL9GTB	MM0SJH	VE1RGB
OH4UI	HB9NL	RA4P	DU7ET	N0AH	VE3OAT
OK1DTN	IV3GOW	RA4SD	EA2AAZ	N1KI	VE7JKZ

VP2VA
VR2PX
W0GYH
W0MU
W1AN
W1YRC
W2CCC
W3BBO
W4HHN
W4OV
W5BK
W7DT
W8CNL
W8FN
W8GDQ
WB4SON
WU2M
YB1TJ
YL2SM
YO9FLD
ZP9MCE
ZS2DL