

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 23 Sep 2021, 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	327 K5UR	316 EY8MM W2VO W3LPL	W3GH*	302 DL4MCF K4ZW UT5UGR	297 DK5PR JA4DND OM2XW SP3EPK W0CD
340 K1ZM	325 ON4UN* R4GM	315 OH3SR S50U	308 IV3PRK K5RK K8GG KJ9I SM6CVX W5IZ	301 DJ0MDR DL9KR N1RJ S54E YU1FW	296 DJ2BW F5NTV G4PWA JA1BK N4CC OE6IMD ON5NT W1JZ
338 W4ZV	324 K2TQC	314 IK4GME IK4WMA NX4D OK3GU OZ1LO PE5T RW2A UA4CR	307 4X4DK DJ7MI IK4MGP K4SV RZ3AM	300 F6BKI G3KMA GM0GAV GM3YTS I2ZFD JA4LKB N3XX PA3FQA VA3EF	
337 EA8AK	323 K9UWA OH2BO SP5EWY W1NG		306 I4EWH K4CIA SM0AJU		295 OE1WEU UA6A UX1UA W0FLS
336 W4DR	322 UX0UN	313 GM3POI OE3GCU OZ7YY W1JR	305 JA7NI OH1MA RW3PZ VE3EJ	299 CT1EEB K1UO N1BUG NN4T W7UT	294 JH2FXK K3UA RJ3AA SV8JE
334 N4WW VE1ZZ*		311 DJ6RX G3PQA RA7A	304 N4IS N4JJ* OH5VT UT3UA WT3Q		293 DF2UU KV4FZ LA5HE
333 OH2BU R7LV	321 K5NA W3UR	310 N1DG SM5BFJ SP2FAX	303 F5LGE K9QVB	298 9A2AJ IK2DFZ K4TEA N4RJ OZ3PZ SM3EVR SM3GSK SM5CEU	
332 UR0MC	320 W8UVZ				292 G0JHC OZ1BTE R7FK* RA3DX
330 LZ2DF OH1XX UT7QF	319 K4PI N0XA S50A SM4CAN WB9Z				
329 AA1K HA0DU UA4HBW	318 K8MFO				
328 K3UL UA4CC	317 I4EAT* W9ZR				

SV1AOZ W3YX W8TOP	US4EX W8AV WD5COV	277 AA4MM G4CCZ HB9BGV IK5BAF K4WM K9CT SM6CNN	W6UB	263 AA4V DL2OE K9OW W2SM W3AP	I1FQH K1QX K4XP K5VRX PA7MM
291 JA4LXY KD9SV	283 DJ2YA I5NPH N2QT N8DX NA0Y	276 DK5WL G3LZQ HB9BIN JH4IFF K4SO N9IW OK1AWZ SP3IBS	270 OE5KE OZ1CTK	262 CT1EKY JA5AUC K4UEE KR9U UX4UA W1YY YO5BRZ	255 K4QL KX4R N2MF W5OZI
290 DL1AMQ SV1FJA UA3AKO UA3LAR	282 DL1YD G3XTT I0WDX IZ0AEG N2LT N3SL N4KG* SM5AQD SM6CTQ UY5ZZ W5ZN	275 9A1CCY IK4DRY N8RR SP3DV SP5CJQ UW2ZM W2OKM	268 9A2EU DL5DSM DL7VEE EA6SX G3WPH RA3XDX RK4FD SM5DJZ* SP9DWT VE2TZT W1MK	261 AA1V AA6YQ DL9YX K2EK K5KC K6ND N6SS RW0LT	254 EI7BA G0DQS IK6DLK K5XI N0AT W3DF
289 DF3GY G4BWP JA3ONB LZ2JE N0TB RX4HZ SP3E	281 DF2PY JA2PJC R3OK S59Z UT7UW W0BV W4TO	274 G3TXF JA3FYC K4IQJ	267 HB9AMO NJ6P ON7TK RZ3DX SM6CCO	260 AA7A K4DY	253 RU3FM S58Q SP9FKQ UA1OMS W0YG
288 PA3GCV RA3CQ SL0ZG SM3NRY SM6CMU UA4LY W0JX	280 SM4DHF SP6HEQ SV8CS UA3AB W2YC	273 JA5EXW JR7VHZ K2CL K2UO K5BG RA3DA SP6AEG UA3DPM	266 IK8HJC MD0CCE R3LA UR5WA W8TE W8XD YO3APJ	259 DF4PL F6GCP G4OBK IZ1ANU KD5M R9FM W1GL	252 EA1DR IK5HHA K7ZV K8FL LU8DPM SP9JZU W3UM
287 DL1RWN SP7VC VA3DX W4PK	279 EA6NB N2TK NO3M OG2M UA6MF	272 DL1DUL F6AOJ K1ZZ K5DU KF2O	265 NR1R SP6CIK	258 EA5BM K0KX RN3CT VE3QAA	251 DJ7RD DL9RT JH0BBE W5UN W7LR WA4FFW
286 PA0WRS RY9C S58T WK3N	278 DK0EE F6BEE JR2KDN K1CP K8KS	271 EU7A G4GED	264 I2AOX SM5KNV US5WE UX1AA	257 DJ9VA K1GUN NN1N W9YSX	250 HB9RG IK2YCW K5ESW K8PT N3NT OZ8BZ W1TSP
284 IK1GPG JH4UYB R7NW				256 9A5CY	

249 AI9L NQ1K SP5DRH SV8BHN	1E1S JA2VPO ON4ATW	237 DL7MAE K1VW* OM4EX R5DT W4YO*	IK0YUT IV3ODE KA7T N7NG ON4ACG S57A W5XZ	226 AI0O DL7HU G8VR JA0FSB JA1UQP JF2KOZ K5EK ON4AOI UT5JAJ WB6RSE	SV1RK W7KW
248 JA8ISU K5RX K9NW KY7M SM3VAC T77C VK4MA W9NGA	242 K0IEA KG7H PY2RO W9RPM	236 K1JO OK2ZI SP8AJK UR5MID	230 AB4I IV3YYK JA0DAI JA1CMD JA5MHD K2UU KC7V N8JV SM3NXS W4GF W4VQ	225 A45XR AA1QD FK8CP K1MM K5AB K9FD/KH6 N4CH OE5NNN RA3QK RV1CC RW3XZ VA5DX	221 JR6EZE N6VR N9BX NV9L W1ZK W6JRY W9BF WS6X
247 JA5BZL JH1GZE K6XT N8TR NO2R R7IA SP5DIR	241 JA3EMU K5ZK N4XM N5TY N7RT OK1DWJ SP5GRM UT7UJ VE1YX VE3NH	235 IK0XEZ K1FZ N6DX R7DX	229 CT1FJK JA0CRI JA8EAT JI1BEX K1DG K2FF K9NR RA0FF RO7T W9IXX	224 E72A JA8FKO K9FD N4II N8BM OZ4O S52F SP5INQ US0SY VK6VZ W2RQ	220 AC4G AG8B HB9LCW HL5IVL JA1SYY KA1R S51DI SP8NR VE3EXY ZS4TX
246 DJ2TI G3ZSS N6TR W2TQC	240 AG9S JA1HGY K0JUH K1ZG LA2XPA PA4VHF RL9F TF4M W9XY WX4G	234 JF2MBF K3SWZ K4UTE N2NL PY1BVY VE7IG*	228 AF9H DJ4AX KA9CFD NT0V* OH2BEN	219 IK3VUU JA2FJP K1AR K6TA N1LN N5AW OE8RT SP4K SV8GFW WA2UUK	
245 JA1GV JG3QZN K3WW N5DG N9US RY7G WB3AVN	239 JR3IIR K9OT KH6AT LY3UM NO8D SV1ELF	233 IZ4BEZ JA7QVI JR3GWZ K0CS K9RX SK3PY UA4HAU VE3XN W7AO YO7LCB	227 ES1RA IK0HBN IK0XBX K1FK K3NW K9ZO KF0QR N2WK NI0G W3KX	223 HA7TM JF8QNF JH1HGC N6AR RT6T	218 DJ4PI DK0PM EA1N I3BUI JA8CDT K0EU K1LT K5UO KD0Q UT4MF VE6WZ W3LL W5PJR
244 5B4AGN DK6WL F2JD JQ3DUE LA3MHA SP1S UT9FJ	238 DL8WN EA4KD K0KT K1HTV N5KD ON4IQ UA3TT UX0FF	232 9A4T K2AZ K4XL NI6T UA3AP VO1HP WA7NS YO9HP		222 AB0X JA6BZI K6EID N6JV N8PR SM0CCM	
243 DK2JX DK3DG DL4CF		231 4X4NJ F6BLP HA9RE			

217 IK6FWJ K5PC UA3AGW W0VTT	K1ST K8SIX KE9I KG6I N1ZZ N4MM ON4GG VO1NA YV1DIG	207 I4LCK IK0MHR K1LPS K8EUR WB9CIF	202 DL1MGB DL2KQ IZ8FFA JA2NDQ JA3CSZ JG1ULJ JH3VNC LY1G N7KA N9AU OK1DOT R9TO W2HUV ZL3IX	JE1PNX JH1IFS K6G XO N4DW N8DJX W0MHK	194 IW1ARB K4KDX K9JF KC9ARR LA7JO W2LO
216 K3SV K4MWB N5UL OE1ZL RZ0AF SP3CGK UT7UV VE3LYC W6XA	211 JA4DEN JA6LCJ JA9PPC K4MQG NX0I SM5CZQ W0UO W6YI	206 AJ6T DJ8NK K2VV K4NA K5AQ KG9N SM6BZV	201 DL1EJA JA2FBY K3HP K4HB K5EJ PY2XB W1TC W5TCX W18A	198 DK2NG DL1ROJ G3UJE JI2KXK K4JJW N9LB W0DD W1TO W7DO W8HB	193 DL5ZB DL6ZXG HA5BSW HB9DDO JA1EOD K3JT K3LR N1SV N9EN PA0LOU RN1ON UA0SC UA0SR UA9FAR W0RI* W9MU
215 N7JW R5AJ RU3QR W0GJ	210 I8SAT IK4DRR JJ2LPV K0MN* UR5EDX W2LK W7JW	205 HA1RW JA3AAW W1ECT WB8ZRL YU3AA	200 DJ5FI DL7BA DL9DRA JA1GTF JA7MSQ JH2RMU JH7PFD K1DT K1GE K2NV K5MC K8ZH K9MMS KC6AWX NN4X RA3WDK RW4NN RW7M SV2JAO VE3BW W3GG	197 G3SNN JA2IVK JA2WYN K3KO* K5RT OE4PWW OE5FIN ON4CD RZ6FA W0LS	192 AA5AM AD8P* IZ1LBG K3FN K4FJ K5XX K9EU KB9LIE LA5YJ N4DB RN3QN W8LGJ W9EWZ
214 AB3CV HL3IUA JA2JW K1AM* K8ZTT OE2LCM OK1DX RN7G SP7GAQ W4NL	209 DL5CF EA6VQ K3WA K8FH ON6YH VA2WDQ VE1DX W0AIH* W0ZR W6PBI* W7KNT WA5VGI	204 AA9A DJ5AV HB9DDZ JH0INP JH2TPI JJ3PRT KK4SI LX2A N0AV N7FU PY2BW UN5J US6EX WD8PKF		196 AA4HP JH2UVL K8PO KP2A N5ZM RA9CMO RZ4FO W2FCR WA2HZO	
213 DF2IS DL5WW EI3IO JF6DSZ JH4ADV K3JGJ NA2M RU4SO W0LYI W1FJ W2WG W3YY		203 I4KDJ JA2XYO JA3PIS K4XO K8AC KK2I N4NX OM3DX PA0A R6AF W8GC W8UN WS9V	199 EA1RT JA2DPC	195 4Z4DX F6DAY G3ZEM JA5AQC K7SO K9RT KF8UN N5JR RU3SD W9OP	191 K8FC K9LA RK2FWA W3UA WA2VYA
212 DF6PB DL9GFB IV3JVJ	208 AD5A JF3KON K2FU N5ORT RU3ZX SM5JE* W6PJ				190 IK7NXM JA1DUH JA1MCU JA7JWF

K2TE	185	180	DJ9ON	WE9R	UY5AA
K9KU	AB6QM	AB4IQ	DK2LO		W9OO
N4PQX	EA6BF	DM2DXA	EU1AB	172	WA3AFS
N4QS	G3KWK	IF9ZWA	I6FLD	G3NKC	
N5GH	I5KKW	IK2QPR	JA0DET	IT9ELD	168
RA1QD	JA2JNA	K6SSS	JA6BJV	JA0GJJ	G3MXJ
SP2LNW	K5ZD	N4AH	JE2URF	JA3FGJ	JE7JDL
VE7VV	N4TJ	ON5FP	K7BG	K0JGH	K1NU
W2IRT	N5UR	ON6SAS	K8MN	KA9FOX	K5QY
	OE2BZL	WN6W	LA9AJA	KJ0M	K6FG
189	SV1DPI		RA3S	W1RM	K8RYU
7M4HXF	UA9CBO	179	W4BP	W4FQT	KR4F
9A2F	W0EWM*	DK1FW	W4GD		N7RO
EA8PP		DL9MRF	W7BEM	171	N8BJQ
FM5CD	184	K0BJ		DL6KR	SP5GH
KM1D	9A8A	K8WK	175	G0EHO	W4SVO
MM0EAX	IZ8XQC	OK1MG	JA1CHN	IZ5MOQ	W6VX
SP7HOV	JA9NFO	SM4DDE	JS3CTQ	JA6HUG	WA5YNB
UA7T	JF1NZW	SV3FUP	K4DLI	JR1TNE	XE2X
W0FS	JF4VZT	VE3DZ	LA7GIA/P	K0DEQ	
W5DM	K4HGX	W2YJ	N5LZ	K2FL	167
	KB1EFS	W8TN	NE1B	K4XR	DK5AD
188	KB4ET		SM5FUG	K9NU	EA5RM
9A2NA	N8LJ	178	SM6DHU	N4OGW	HK3W
HB9CXZ	S57AC	AA1ON	W7FI	SM7GIB	JA2BDR
JA1ANR	SM0NJO	JA3RAR		W2OR	K4CN
JA1KQX		JA4MRL	174	W7MEM	K4XD
KF7PG	183	JA9FPI	JA2XW	W8UV	K5GKC
LA5IIA	IT9INO	K2EP	JA5IU	WB7B	K6KO
UA0CA	K8VC	K2UR	JF7DZA		N0IJ
W6SR	K9YY	K9US	JK1OPL	170	N0RN
WA6YEE	OZ1AXG	LA3WAA	JR6PGB	DJ6TK	N1RR
WF4U	W2FP	LB8DC	K2PLF*	HA5WA	RA1AOB
	W8NW	NE0U	K3PA	I1JQJ	RN9N
187		SM7DLK	K4TR	JA0EOK	S51EC
AG4W	182	SV1JG	K7GM	JA6JPS	W1YM
AJ1H	EA3JL	SV8CKM	K8RRT	JM1GYQ	W1YW
G4BUE	JA1SHE	UT2UB	OE1WHC	K1NTR	W8OI
JO7WXN	JA8DNV	W4UM	RN7F	NK1K	WA4LOX
K0SR	JH1QAX		UA3LNM	OK1DWC	
KN5O	K5KLA	177	W1NT	SP3GTS	166
N2NS	K6SRZ	9H1SP	WT8C	SV3KH	4Z1UF
ND0N	KV7K	AE5E		US8UA	CT1IUA
OK1CZ	UR3EO	IK0FVC	173	W9EVI	DJ4SO
SM2OAN	UT5UT	JE1BMJ	5B4ALJ		DK3WW
US0KW		JF1PUW	F4BKV	169	G0OIL
W7AWA	181	KB0EO	K4WS	DM3VL	IV3TDM
W8JV	K1GG	W5LT	KA1J	F6EXV	IZ8FWN
	K8NVR	WA3C	N5FG	HA9PP	JA0VSH
186	RM0F	WA7NB	N5OK	JG3IWL	JA1ADT
K4ODL	UR5FEO		VE3FF	K1LI	JA1FNA
K7LAY	VE3OSZ	176	W3YQ	N4XX	K2KA
W4FC	YO2DFA	CT1FMX	W6NWS	N7US	K3KY

K4JLD	YL2TW	W5XC	JA2ZL	N5TW	IV3RAV
K4PB	ZS1LS	W8WEJ	JE2LUN	N8II	JA2NQG
K8NK			JF2UPM	PE1L	JH1RFR
KB8VAO	162	159	JH7IAJ	SM6CLU	K4WA
LA4GHA	4Z5CX	4Z5MU	JO7HAM	SP5CCC	K7LV
N7IR	9A4W	AD5Q	K8YSE	UT5UY	K8AJS
SP1MGM	CU2DX	GU4YOX	KS1J	WJ4T	KU4XO
W1RR	F3AT	K4RO	N4GN		N3QE
W8ILC	IK4PLW	K7NN	TF3SG	152	OE8SPW
WA0MHJ	JA6GIJ	W6BJH	UA3SAQ	DJ9HX	OZ3SK
WA8TXT	JA7ZP	W7SX	VA3LX	DM5EE	UA6YW
	JA9LJS	WD5BJT	W1YIF	EC3A	W2XL
165	K1KI	WX0B	W4QN	JA9APS	W6DAO
AA9D	K1NJ		W4TV	JL1SAM	WS7L
DL7UCX	N5WA	158		JT1CO	
EA6ET	N8MR	DJ4PT	155	KS3F	149
IZ8VYU	UR4CWQ	DL1FKA	DL1RK	N4TV	DL7CX
JA9TWN	VE3CFK	JA1XEC	G3TQZ	N9OY	IK2EGL
K3AJ	W0HT	JF1WPB	JA6VQA	RL3FA	IK4FNF
K5JZ	W1LW	JJ1FXS	K9GA	S55ZZ	JA3ENN
K6ZZ		JR1GJP	NR4M	UA6IGI	JL1ARF
K9YC	161	K5TT	NW7E	UT5AB	K4YYL
KK4CB	4O3A	KL0S	W3GQ	VE6LB	K8ME
SM4CTT	DK2GZ	RM3DA	W8KEN	W2RS	N4HB
UY1HY	DL6RAI	RU6M	W9RN	W6RLL	N5JB
W5BN	JA1DOF	SM4EMO	WP4U	W7AJ	NY0V
	JA1PPW	W1OX	ZS6EZ	WB3CQM	RW3RN
164	JA7MOL			WX0V	UW7UA
CT1EAV	JH4CPC	157	154	YS1RR	W0GG
G0BLB	K8ND	AA4H	DF2GH		WB8B
HA7UW	K9MBQ	HB9DHK	EU1KY	151	YO3DDZ
HB9BZA	N4XU	JA0UUA	GM3PPE	3V8SF	
IK3SWB	N7XR	JA1GHH	IK0FUX	DK2OY	148
JN7FAH	OH6RA	JA4FKX	JA1RTX	EA5BY	AC6DD
K1BD	W0TT	JE2LPC	JA2LCP	HL2CFY	AJ9C
K4ZYU	WC5N	JJ1NJC	JA8NFV	JA6BEE	F5CQ
LA5LJA	YU2TW	LB2TB	K0KVR	JA9NLE	JR7BDQ
LA7AFA	ZS5LB*	LY5A	K0TT	K2FW	N2WB
N3OC		N9FN	K1USA	K7SP	SM6CUK
SV1LK	160	NE9Z	K2LS	OH2IS	SM6VR
W4NS	CT3MD	RA3DNC	PA7F	OK1ATP	UA2FF
W8HC	DL1DA	RU4UR	W1NA	RD3A	W4DKS
	I2ZGC	SM3PHM	W2XI	RU3A	W5FIX*
163	JA2EPW	SV8ZS	W5DNT	S54A	W5FKX
IK0PEA	JE2OVG	W2TA		SP7AWG	
IW0SAF	JR7MAZ	W5GZ	153	SV9AHZ	147
K8TL	K3MSB	W7TVF*	DL3ZA	W7RH	DL4MM
N4QQ	LB6KC	W7YAQ	G3TJW	WA1Z	JA1XQC
N9RC	N3BNA	WD8JJA	JF1IRW	WB8BPU	K2AX
PA3C	RU6L		JF2XGF		K4RG
RA3ZH	UA0FZ	156	JH2SON	150	KM1H
W0DJC	UX5UO	EA3WD	JH6QFJ	F3SG	N9CO
W7AL	W1BR	IW2FND	K8VVF	F6HDH	SP6EQZ

UN7LZ	WS5W	RN3OG	W1GD	IV3DXW	KX4TT
W2KKZ	YO3CD	W1AX	W2YE	JA1TMG	OE1KM
W7CT		W3BW	W3IP	JA7LMZ	RV4LC
WB3JFS	143	ZS1C	W4VIC	JA8BNP	UQ2PZ
WW3S	DL6EN		W4YV	JA8JL	VE3WT
	HS0ZEE	140	W7HPW	K1KA	W0NFL
146	JH1NYM	DF2RG	W7OM	K7FL	W2QO
IV3VBM	JN1BMX	DL5KUA		N4PY	W5ADD
JA1HQQ	K0QC	F5LVL	137	NZ9R	W8HW
JA4DHN	K3TN	K3PP	DL1DUO	RN3RQ	
JH1GNU	K3VAT	K5WK	JA2ATE	SM5CZK	132
JR9OPJ	K7CMZ	N2WM	JA3APU	W1DIG	AA4NC
K5SM	K7HP	N9MB	JE6TSP	W2CG	F5PAC
K7WP	N5UW	OK2ZV	K0BBC	W2GD	IT9BLB
N3RC	PY5EW	ON7DR	K2QMF	W3JX	IT9RDG
R9OK	R8TX	W0SEI	N2PK	W4BUW	JA2VQF
RU0SN	UN9L	W7IV	N2RJ	W4MBD	JA3DY*
VE6WQ	VE3CV	W8LWU	N4XP	W4RFZ	JA6CBG
W1IZL	VK3HJ	W8RLS	OK1MP	W5VQ	K6YUI
	W1SKU	YL2MU	OK2QA	W5ZG	KE9ET
145	WA2BCK		RA3CO	W6JTI	N6HY
G4GIR	WB8ZRV	139	RG7G	W8VVG	ON4CAS
JJ3HGJ	WD9DZV	9A1CAL	UU1JA	WE1P	OZ2RH
K4OY		AB9V	W1ITU		SM4BZH
K5KV	142	DJ4XA	W5LUA	134	SM6BGG
K8BL	AF4HX	DL5EBE	W5ODD	DK1WB	VE3CRG
KF6HI	EA7TV	DL8OH	WB5JID	IK4DCS	W4AXL
RT0F	G4FTC	IZ8IEV		JA9RRH	W4RBO
W1ZT	I5HOR	K3ANS	136	JR3OEH	W4WM
	JH1QDB	K6AM	DL5CW	K1TO	W5SL
144	JH1TWT	K6KLY	EU4A	K9MK	W7CD
EI6FR	JH2QMT	K8RF	IK8CNT	KR2Q	W9FR
EI6IZ	K1OA	KJ9C	JA1PTJ	N1EN	W9JJB
GM3ITN	K4WZ	KU0A	JE2DZC	N7WS	WB8CQV
HB9BYQ	K8UT	LA8WG	K0TV	N9RS	XE2S
IZ3ENH	NA4D	N7BT	KR6C	RG6G	YV2IF
IZ4DPV	OK1DO	SV8ZC	LA6OP	UA0ACG	
JA3GN	W2OO	W9XQ	N5XZ	UY0ZG	131
JE3GRQ	W6QUV	WA8WV	NE3F	W2OIB	AD6W
KI5BLU	W7ZI		OK1DW	W4JKC	E72U
N1IX	WA5POK	138	SM5OJH	YU1AM	I5MXX
N3KK		DK8YY	WD5K		IV3KFB
N4GG	141	EI9FBB	WW2DX	133	JA2TBS
NI0C	DL4SZB	EW2A		CX6VM	JJ1TEA
OH2BLD	DL5MHQ	F6DDR	135	EU1U	KD0PO
OZ1HX	EW1BA	HB0CC	5B4MF	JA7GLB	KH2L
SM3DTR	IK4ADE	HI3T	9A2JK	K1ZN	N4QWZ
SM4OLL	K2RW	IK8EPC	DJ9ZB	K2CDJ	N5PHT
SM5CLE	K5TR	JA1SVP	DK8MCT	K3OX	NA5DX
W1VT	N1IBM	K1RO	EA8JF	K8GI	ON4ON
W6RW	N7QT	K6NR	F6FXU	K8ROX	R0SR
WC5M	NQ7R	N1CGP	GM3YOR	KS4YT	R9MJ
WD5T	NY2NY	RW4CY	IT9GSF	KU2A	R9SA

W0SD	128	V51B	UU7JM	UA3DK	WB8K
W7JY	EI2JD	W0CP	VE3UTT	UT3QU	XE1VIC
W8DCH	ER0FEO	W0RT	W3BG	VE7BV	
WB7QXU	G3UHU	W0YVA	W9CG	WB2REM	120
WP4G	JA2KSP	W3MF	WA9PIE		9A5F
	JA2KVD		WB3D	122	DF7EE
130	JA4OK	126		CU2AP	FG5FR
DF9ZW	JA9AA	AB9M	124	EA3GP	HB9BLQ
DK7YY	JE1LFX	CU3EQ	AA7XT	G3NDC	IZ0LKV
E73M	K0FF	DJ8WD	E70T	G4WFQ	IZ5NFD
HB9IQB	K3XA	F8BPN	HB9TKS	G5LP	IZ7EVZ
HB9SLO	K4JAF	G4IUF	HK1MW	HB9HFN	K2BA
HK0HEU	K5VIP	HS1NGR	JA4IYL	HK4SAN	K3QIA
JA2FBC	K6LPO	K2ZD	J11DHY	JA1MRM	KA8ZPE
JA7LGE	N5KM	K4SE	JM1FHL	JE1FQV	N4BAF
JF3LOP	N5MOA	K4XU	K2RET	JH1HHC	N4TB
JR7WFC	OZ2ABI	KC2LSD	KD4POJ	K1YT	OE3EVA
K1ZE	R9SG	KF8DX	KI4WCQ	K2MP	PZ5RA
K2MYR	S53X	OK3CQD	N2ZN	K7ZA	SM0BYD
K7LFY	SM3GQP	PA5TT	NA4EA	K8BKM	SP7ITB
K7XB	SM3LGO	PY5HOT	NX8Y	KR0P	W1AO
K8BCK	SV1CNS	VE3CX	RC9F	LA8PT	W4PRO
K8NS	SV3DCX	W5AJ	SP6A	N4DWK	W6RFL
N8OC	UT3UZ	W8REW	UA0BA	NN7X	W7RN
N09E	UW8SM	WD4LBR	VE1DUN	OZ3Y	W8GNM
OE6VIE	VQ9LA	YU1EXY	W2RIJ	RD4A	WA1PMA
R3VA	W2WC		W3FM	UT5EL	ZL4AS
R5QA	W4IS	125	W6CYX	UU4JMG	
R9AB	W6DR	G7VJR	YO2RR	W5DAW	119
RU1AO	W6RKC	GW3TMP		W8NJR	9A1AD
SM5CBM	W7AH	IZ4GWE	123	W9ILY	AA3AZ
SP3XR	W8MET	JA3OOK	AC4TO	XE1H	AA6AA
UN7JX	ZS6UT	JA6VU	DL7JRD	XE1KK	DK3GG
VE3DO		JA7KY	HB0WR		DK3UA
W1OP	127	JE1TSD	IK3XJP	121	EW4M
W2MPK	AA4SC	JE6UWU	JA0CRG	AA6RR	HB9AAQ
W9ZT	AA7G	J14POR	JA3MHA	DF1DB	HB9BCI
WO2T	JA1DDH	K1HAP	JR1EBE	DK1EI	I2TZK
	JA1WLO	K5KG	K2PK	DK6CQ	I4MKN
129	JA2AHH	K9ZM	K4ZIN	DS1JFY	JA3AZD
CT3HF	JA8RJE	KG7CW	K5GH	F4GTB	JA4XGC
HB9FMN	JS2LHI	KJ6P	K5VWW	IT9DSZ	JH6CDI
JA1NWD	K0RW	LZ1XL	K8DV	JA6WJL	K2HK
JA8JO	K3NK	N2KA	K9CS	KD8RQE	K4JKB
K6XM	KM4H	N3EN	KM3V	N6PSE	K5UZ
N0YY	LA0FA	N4JT	KM4NS	RA5BM	K8KWT
N3KS	N1AC	N9MR	KV4T	UQ1GWW	KA6BIM
N3RR	N1GC	ND5S	N2ED	UT4EO	N1JP
NJ3K	OE8HIK	NW6S	N3MK	UU2JQ	N4UFP
OE1TKW	S55DX	OE1AZS	N6MZ	VA3AYA	N8PW
SM3BCS*	SK7AX	OZ1IKY	N9JV	VE6SV	N9UA
W1EQ	SP7ASZ	PY5EG	NA2P	W2GG	NN2L
W7QHE	SV5DKL	RA0BA	NN4R	W6XI	NT2A

NY7T	JA7IC	VA7CRZ	IT9DAA	W0VX	W4VHF
OH5NG	JM3GXU	W1ENE	JF2WXS	W2GW	W5VX
OK1DT	K3WGR	W1WEF	JH6WMJ	W6BK	W6TC
SV1ACK	K5JC	W7GG	K1RV	W8FAX	W8HMK
SV1IW	K6PJ	W7OEV	K2DC	W9VNE	W9SE
W4HZ	K7UT	W8LRO	K3OSX	WA1FCN	WA8OLN
W5QP*	K8OOK	WA2USA	K5RJ	WA4DOU	ZP6CW
XE1RCS	K8QM	WQ5L	K6EME	WB2HJV	
	LB7ZG		KB8U	WS4C	111
118	N3ND	115	KZ4V	ZL1BYZ	AF4OX
5T5PA	N4IR	AJ4F	N2JJ		CT3KN
AE3T	N6MB	C6AGU	N3MN	112	DK2WH
DL5OCE	N8AA	CT1GFK	NU8Z	A92IO	DK6ED
JA1SJV	N8NA	CU2CE	SP3FAR	BA4RF	DL5CL
JA4FHE	N8XI	DL9GOA	UA3FT	DJ1RL	EV1R
J18DGO	NY4G	HA5UK	VK4CAG	EW1DO	G3PLP
K4CNW	S51NM	JH4ALY	W2/CT1GIF	G3XGC	G4DBN
K4TT	SM7BIC	J11DCW	W4TUN	HB9CRV	IK2CHZ
K8LN	SP2BMX	K0SD	WA9YYY	HB9G	JA1AUD
KD6UO	UA6J	K4CMS	WE4S	HK3PJ	JA1FGB
KG9Z	UB3A	K4GHS	XE3ARV	I5OYY	JA1NCZ
LA9VFA	W0IZ	K4GK		IK0IOL	JA5XAE
LZ2HM	W2JU	K5XM	113	IZ4DIW	JE8TGI
N2MM	W4DAO	K8YTO	9A1A	JA1SXR	JH1RFM
N3UA	W4ZRZ	K9SG	DJ5DT	JA7BXS	K0TPP
N6HC	W6SL	KO8SCA	DL8CM	JR7TEQ	K7ORK
NA9RB	WB0O	N0IRM	DL8DYL	K0CA	K9AJ
PA0TCA		N0KV	EA5KA	K0JPL	K9GWH
PY2PA	116	N4OA	EI9JF	K1KO	KM1R
RN3TT	DL6MRS	N8KOL	G4AFJ	K4UAS	KV1J
TA2RC	DL7URH	OZ8X	JA4ITW	K8CC	KZ0X
W1KSZ	EA5BRE	PA3AXU	JA5WIZ	K8SL	LA0CX
W2YR	HA7PF	RZ6MJ	JH4GJR	KI4DLS	N1QY
W4NJ	HB9AZZ	SV2AEL	JL1RUC	KM1C	N4WJ
WB0TEV	IK0EIE	UA1ANA	JN1RQV	KT1J	SP8HKT
WT4Q	IT9TQH	UA1CGS	JR6LLN	LA8HGA	UN7JID
WY1G	IV3HYD	UA6XT	K3MD	LZ2ZG	UR6QA
YO4AUL	JA1WTI	UN6T	KH6DX	N4TL	UT1UY
	JE3ENP	W9AJ	KI0G	N4ZY*	VE6KC
117	JG0CQK	W9XX	N3NR	N6MA	VE7CT
9Y4VU	JH4JNG	WA3I	N4DJ	N6RK	VE7UF
AE0P	JJ1DWT	YL2CZ	N7KO	NA3F	W0QQ
BH4IGO	K1DC		NI5F	RU4SU	W2TB
DL1DWT	K1ESE	114	OH6NIO	SM3DMP	W3MR
G3LAS*	K4ZO	AB1OC	R7NA	SP6JIU	W3RJW
HA1RB	K6SIK	AB2E	RA4UN	SV3FUO	W4HOG
HB9DHG	K7EG	BA4DW	RZ3AUL	SV9COL	W4NU
I0JBL	KT1V	CT3FN	SM5ARL	UA1ACG	W4OX
IK5DNF	N0OK	DL6NB	SP3EPG	US1CT	W5AQ
IZ8DFO	N2BJ	F6CWA	SV1JFV	UT6UD	W7VS
JA1HQT	NA2U	G3SDL	SV2AVP	VE3KI	W8MIL
JA4FM	PA0JSE	G8DX	UN7TW	W1HEO	W9RB
JA7GYP	RV3ID	HP3TA	UT8MM	W2CVW	WA2MUA

WB9EEE	K5KA	NY4I	OK3CQR	OE5CSP	N4NW
YL3DQ	K6MW	PA0ZH	PC3T	OK1AYU	N4SC
YO6HOY	KC2STA	R5FY	R0FA	OK2BVG	N4VN
	KE1F	R7LA	RN4AA	RU3DX	ON7PQ
110	KL7RA	RX6DX	SP3BQD	S57AL	PF7M
AJ4A	N9HF	S57J	UR9IDX	SP6AXW	PJ2/K8ND
DL1VDL	NA5C	SM6AOU	US5CB	UR3CRO	PY5CC
EA5BYP	NN4RR	SV1AHX	W3KB	UT7UU	R6YY
F5BAR	NU4I	US0YA	W4ZYT	UU5WW	RA6AF
G3LNS	R7LP	UX7UN	W6TDX	V73AZ	RD4WM
I2BBJ	RW4UU	UZ6LWZ	W9CPV	VE3YF	UA6LCN
IK5RUN	RX3AGD	VE6AX	WN0L	VQ9SS	UR1RWX
JA9KRO	TG9NX	W0VHF	WS1L	VU2CPL	UR2RGN
JH1VHU	UB5ZAL	W2UB	YL1XZ	W1CWU	VE1PZ
JR6FC	UT7KF	W7ACD		W2GPS	VY2ZM
K1EO	W5WP	W9NIO*	106	W2LE	W2SKI
K3JRR	YV3AGT	WA2ALY	AA4FL	W4IR	W3NRJ
K6VKO		WA8MOA	AE2U	W5JAY	W4OWY
KA4RRU	108	WC1M	DJ6OZ	W8OP	W5JMW
N3HBX	AA4DD	WD9EQU	DL2NOM	WA4MYO	W6FF
N3IQ	AI2Q	XE1FAS	DL3JSW	WT9U	W8LMG
N3JB	AL7R		DL6CNG	WW1WW	WB2UFF
N4KE	CU3AN	107	EA1JO	XE1RBV	WQ5W
N6PE	DF1KG	4Z5LA	EA3CCN	YL2GN	YU1NR
N7BD	DG7RO	AC9EM	EI8IU	YU3EF	
NA1DX	DJ9RR	DK3FB	G4RGK		104
NC6K	ER1LW	DL2CHN	HA8DZ	105	9M2AX
RD9M	G3SVD	DL5XU	IK8GYS	DF8AA	AD1C
SM5BHW	HB9BAT	EA5AT	J68HZ	DJ3XD	AH0U
TA1CM	HL3GOB	G4AKY	JA1VLK	DJ6KH	CP8HD
US7MM	IK0PRG	I5IHE	JE6IGP	DL6XK	DK3BK
W0UY	IZ0BTV	IT9XTP	JG3HBO	DO1CTL	DL1QQ
W4DC	JA2HYD	JA0GCI	JH2KKW	G3YUV	DL4FAP
W4GE	JA2MOG	JA5EY	JH4HMG	HA8FW	DL7UPN
W4NE	JE2EHP	JA8JTH	JJ0NCC	IU0LFQ	DO4DXA
W5ZPA	JR7FRW	JA9AGN	JR0EQQ	JA1BWA	E73D
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YU7AU	K1UU	K2MK	K1PX	JA6VA	F6AJA
ZL3NW	K1XM	K3SW	K3TRM	JA7BME	F8GB
	K2KQ	K3YBN	K3WC	JA8RRF	G3BRD
109	K4WW	K5KPE	K4DSE	JE2UFF	G4XEE
AA4U	K4WY	KE2R	K5AM	JG3LGD	HB9CIP
BA7IO	K6FW	KV4AA	K5WAF	JH3CUL	HK3O
DL2VWR	K6UT	N2RR	K5ZQ	K2XF	JA2FGL
EA3GHZ	K7TM	N3DAP	K7PI	K7OX	JA2MNB
F8EZE	K8OM	N4RF	K8JJC	K7PO	JA5FDJ
G8BCG	KK1W	N8AGU	KQ3F	K9RO	JF1EGO
HC1BI	KN4JX	NA5Q	N0JZ	KA8SYV	JF6WTY
JA1XCZ	LU2DKT	NG0G	N2CW	KI5T	JO1WXO
JA2CXF	N1BZ	NK5B	N7NR	KT2E	K0WK
K1RI	N2CG	OE1CP	N8AID	LZ1JZ	K1BG
K2ONP	N4IQ	OE3SGU	ND4V	N2WLG	K2BB
K4RDU	N6RFM	OK2BUZ	NI5M	N4JI	K2BLA

K3PH	AI3Q	SM6EHY	K4VIG	101	N6NU
K4KEW	AL7TC	SM7BHH	K5GO	AA4NU	N6WM
K4MF	CX3CE	SV1FKZ	K5ZO	AB4GE	N8AG
K5CD	DF2PI	UA3PFN	K6MI	AC5O	N8NN
K6UM	DJ1MM	US2WU	K7BHM	AC9S	N9LQ
K7TJR	DJ7PI	VA2ZO	K7BTW	CT1JGA	NX2X
KA2BZS	DJ8ES	VA3IC	K7UA	CU3AK	NZ9Z
KH6KG/W5	DL2HX	VE3MFA	K8BHZ	D44BC	OA4TT
KW0A	DL4ZAB	W0UVC	K8OQL*	DH2FW	OE3WQB
LB5WB	DL8YRM	W1CTN	KG8CW	DK9WI	OH3TY
N3ER	DM5TI	W3XY	KY6R	DL1KS	OK1PGF
N4MEC	EA7SG	W4AVY	LA3ANA	DL3ANK	OK2BOB
N4TTE	EU6MM	W4MZ	N2SQW	DL5JS	OK3EY
N8MZ	EW3LB	W4TMR*	N3TR	DL5RDI	OK4MM
NJ9C	G3BDQ	W5VU	N5RZ	DM3ML	ON4LG
NN3Q	G4AAW	W6SZN	NA5Z	EA1WX	OZ4AAL
NU4Y	G4PUQ	WA2BOT	NS3L	EI2GLB	RA3AH
RA1QX	G4VGO	WA7BNG	OH2EA	ES5RW	RA4P
RU3UR	IK2ANI	WB4TDH	OK1DTN	EU1TT	RA4SD
RZ6DX	JA2GQO	YO7APA	OK1JDX	G3ZFC	RB7GG
RZ6LB	JA8EJO		OK3CSQ	G4DJJ	RK9F
SM5CCE	JH1DGQ	102	ON5UE	G4FJK	RV6ARZ
SM7CQY	JM2RUV	A6/RV6LNA	PA7TWO	GM3WTA	RY6M
SO5AS	K1EP	CT4BD	PY2DO	HB9NL	S50B
SQ5EBM	K2CJ	DK3QM	R3IS	IK2OHG	SM2DMU
UA3O	K2UVV	DK5RL	R6FFB	IV3GOW	SM7NDX
UA9FGJ	K4LQ	DL3DXX	RU3UN	IZ7JVR	SP6M
US5CAO	K5JUC	DL3NCR	T77V	JA1VVX	SP9DH
UT7EC	K8CCV	DL4KUG	UA1AIR	JA6TMU	SV1PL
UX4UM	K9MUG	EA3CJ	UA1CKC	JH3HGH	UA0FDX
UY0MM	K9XJ	EI4DQ	UA6HOF	JH3PRR	UA4PCM
VE3VHB	KB2FCV	F6BWO	UA9MR	JI3KDH	UG6GAW
W0YBS	KE1IU	FM5WD	UA9UCO	JR1XIS	UR7CQ
W1QA	KJ4R	HB9AHL	UW7CN	K0LW	UT1CC
W3DRY	KJ7WY	IK0DWN	VE2FYR	K1YR	UT4IS
W3FOX	LX1DA	IK7YZG	VE3EDY	K3SEW	UT7HA
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W5GJ	N9BBQ	IZ4MJP	W1PV	K6XJ	W3HKK
W5ZO	N9SF	JA0HXV	W2EQ	K7AR	W3WH
W6PH	N9TF	JA1SDV	W2LW	K7IA	W4BUE
W7DR	NE0DX	JA2OLJ	W2TX	K8BN	W4WT
W8FIB	OH3GD	JH4ADK	W3EKT	K9PG	W7AV
W8KA	OK1DQT	JK1MZT	W4JVN	KE4S	W7CB
WA6TLA	OK2BQU	JR2UBS	W5THT	KN6J	W7QC
WA9ETW	OK3BRK	JR3UIC	W5TO	KQ1F	W8GB
WL7E	OZ7JZ	K0YN	W7IUV	KQ4AV	W8VK
XE2YWH	R9GM	K1PTF	WA0IDK	LA2GV	W8ZR
YC0LOW	RA0FA	K2LP	WA8MCD	LZ2XF	W9MAF
YO5ODE	RA4HT	K2TK	WD8DSB	N2AJ	WB3HLH
	RK3QY	K3KG	WS4Y	N3XM	WC6DX
103	RU3OW	K4AQQ	YO2IS	N5AQ	WK9U
AG1I	SM3CBR	K4LM*	ZS1A	N6EE	WR2G

YO6BHN	K8CS	SV1VJ
YV4DYJ	K8LE	UA4PAY
	K9EA	UA6CEY
100	K9GL	UN1L
9M6YBG	K9NZ	UN6P
A41ZZ	KB0EL	UR4CW
AA4AK	KC0V	UR4LRG
AB4VV	KC4D	UR8IDX
AC4VM	KC5LT	US8UW
AI2S	KD2T	UT4EK
DJ6OI	KD8BZY	UW7LL
DL1HRN	KJ6NZ	VE1RGB
DL1TPY	KM8AM	VE3OAT
DL9GTB	KN4KL	VE7JKZ
DU7ET	KP4N	VP2VA
EA1AF	LA8W	VR2PX
EA2AAZ	LU5OM	W0GYH
EA3ALD	LU5YF	W0MU
EA7QW	LZ3YY	W1AN
EA8AXT	MM0SJH	W1LY
EC5A	N0AH	W1MRH
ES5NC	N1MD	W1YRC
FM5GU	N2XQM	W2NO
G3OIL	N3AF	W3BBO
G4CGG	N4CRI	W4ALF
GM3ZSP	N6PAT	W4HHN
I2VGW	N7TK	W4NF
IK2SGB	N8IL	W4OV
IK4MSV	N9ADG	W7DT
IS0/YO3RA	NG7A	W8CNL
IW3GJF	NJ3I	W8FN
JA1BRK	OE5JDL	W8GDQ
JA1CPU	OK1DXD	W8IW
JA4FSH	OK2PAZ	W9YE
JA5DQH	ON7EH	W9ZCL
JA8OW	ON7GB	WB5TUF
JA9CGW	ON9CC	WK4Y*
JH3GCN	OZ1LCG	YL2SM
K0FLY	OZ1ZD	YO9FLD
K1NA	PA0INA	ZP9MCE
K1NZ	PA7RA	
K2BX	R3PJN	
K2CBI	RA3SD	
K2CYE	RA4LW	
K3TZV	RA6XB	
K4FT	RL3BZ	
K4KAY	RN1A	
K4KSY	RT5A	
K4UQC	RU3GF	
K5AV	RW9QA	
K7VIC	RX9JX	
K8BZ	S53MJ	
K8CR	SM5AHK*	