

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 24 Mar 2023, 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 ON4UN* R4GM	316 W2VO	W3GH*	F5LGE JA4LKB	LZ2JE OZ3PZ
340 K1ZM	324 K2TQC K9UWA OH2BO	315 OH3SR S50U W1JR	308 IV3PRK K8GG KJ9I OH1MA SM6CVX W5IZ	K1UO K9QVB	SM3EVR SM5CEU UX1UA
338 W4DR W4ZV	323 SP5EWY W1NG	314 IK4GME IK4WMA K5RK NX4D OK3GU OZ1LO PE5T RW2A UA4CR	307 4X4DK DJ7MI IK4MGP K4SV OH5VT RZ3AM VE3EJ	302 DL4MCF GM0GAV GM3YTS N4RJ YU1FW	297 DK5PR OM2XW SP3EPK W0CD*
337 EA8AK	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	306 I4EWH K4CIA SM0AJU WT3Q	301 DL9KR JA1BK N1RJ N3XX S54E	296 DJ2BW F5NTV G0JHC G4PWA N4CC OE1WEU OE6IMD ON5NT W0FLS W1JZ
334 N4WW OH2BU VE1ZZ*	321 K5NA S50A	311 DJ6RX G3PQA N1DG RA7A	305 EA6SX JA7NI K4ZW RW3PZ*	300 CT1EEB F6BKI G3KMA I2ZFD NN4T PA3FQA RC3FL SM3GSK VA3EF	295 K3UA UA6A
333 R7LV	320 K4PI SM4HCM W8UVZ WB9Z	310 SM5BFJ SP2FAX	304 N4IS N4JJ* UT3UA UT5UGR	299 K4TEA N1BUG W7UT	294 JH2FXK RJ3AA SV8JE
332 UR0MC	319 N0XA SM4CAN	309 DF3CB DJ9KG I4AVG OG2M	303 DJ0MDR	298 9A2AJ IK2DFZ JA4DND	293 DF2UU KV4FZ* LA5HE
330 LZ2DF OH1XX UT7QF	318 K8MFO				
329 AA1K HA0DU UA4HBW	317 EY8MM I4EAT* W3LPL W9ZR				

292 OZ1BTE R7FK* RA3DX SV1AOZ SV1FJA W3YX W8TOP	IK1GPG K3SX N3SL N8DX PA0WRS W8AV WD5COV	UA3AB W2YC	K2CL K5BG KG4W RA3DA SP6AEG UA3DPM US5WE UX1AA W6UB	R3LA W8TE W8XD	258 K4XP KW9A RN3CT VE3QAA
291 JA4LXY JH4UYB KD9SV R7NW SP3E	285 9A7V	279 G4CCZ N2TK NO3M SP3DV UA6MF	265 IK6DLK SM5KNV	264 AA6YQ G4OBK KD5M	257 EI7BA K1GUN K8PT KX4R N3NT SP1S W9YSX
290 DL1AMQ N0TB S58T SM6CMU UA3AKO UA3LAR	284 JR2KDN SV8CS US4EX W5ZN	278 DK0EE F6BEE JR7VHZ K5DU	272 9A2EU DL1DUL KF2O SP9DWT UR5WA	263 AA1V AA4V AA7A DL2OE K6ND K9OW W2SM W3AP YO5BRZ	256 9A5CY I1FQH IK2YCW JA5BZL K1QX K5VRX PA7MM
289 DF3GY G4BWP JA2JPA JA3ONB RX4HZ	283 DJ2YA G3XTT K4WM NA0Y UT7UW	277 AA4MM CT1APE DJ9VA HB9BIN IK5BAF K5XI SM6CNN	271 EU7A G4GED MD0CCE OZ1CTK	262 K4UEE KR9U UX4UA* W1GL W1YY	255 G3ZSS IK5HHA JA8ISU K4QL K8FL N2MF W5OZI
288 PA3GCV RA3CQ RY9C SL0ZG SM3NRY SM5AQD UA4LY W0JX WK3N	282 DL1YD I0WDX K0KX N2LT N4KG* SM6CTQ SP3IBS UY5ZZ	276 DK5WL G3LZQ IK4DRY JA3FYC N8RR N9IW OK1AWZ	269 HB9AMO RV3LO SP6CIK W1ZC	261 DL9YX G0DQS IZ1ANU K2EK K5KC N6SS NO8D RW0LT	254 N0AT W3DF WA4FFW
287 DL1RWN IZ0AEG N2QT SP7VC UT7UJ VA3DX W4PK	281 DF2PY JA2PJC JH4IFF K4SO R3OK S59Z W0BV W4TO	275 9A1CCY F6AOJ K4IQJ ON7TK SP5CJQ UW2ZM W2OKM*	268 CT1EKY DL5DSM DL7VEE G3WPH I2AOX RA3XDX RK4FD SM5DJZ* VE2TZT W1MK	260 K4DY K7ZV LA3MHA	253 JH1GZE K5ESW N8TR RU3FM S58Q SP5DIR SP9FKQ* SV8BHN UA1OMS W0YG W1TSP
286 I5NPH	280 EA6NB HB9BGV JA5EXW K1CP K8KS K9CT SM4DHF SP6HEQ	273 F5NBU IK4CIE K1ZZ	267 RZ3DX	259 DF4PL EA5BM F6GCP K1LT R9FM SP9JZU	252 EA1DR

JF2MBF LU8DPM W3UM	W2TQC W5XZ	K0KT KH6AT LY3UM SV1ELF W3KX	233 IZ4BEZ JA0CRI K0CS K9NR KA7T SK3PY UA4HAU VE3XN W7AO WA7NS YO7LCB YO9HP	228 AC4G AF9H AI0O JH1HGC K1AR K5EK NT0V* OH2BEN S51DI	VK6VZ W2RQ W3LL
251 DJ7RD DL9RT JH0BBE ON4AOI VK4MA W5UN W7LR	245 DL4CF F2JD JA1GV N5DG N9US RY7G TF4M WB3AVN	238 DL8WN JA7QVI JR3GWZ K1FZ K1HTV K2FF N4II UA3TT	232 JA5MHD K2AZ K4XL NI0G NI6T UA3AP	227 EA1N ES1RA IK0HBN K1FK K3NW N2WK WB6RSE	223 AB0X AB3CV HA7TM I3BUI K4HB N6AR RT6T VE6WZ
250 HB9RG KY7M NQ1K OZ8BZ PA4VHF	244 DK6WL IV3YYK JA1HGY	237 AA1QD DL7MAE F6BLP IK0XBX IV3ODE K1VW* K9RX OM4EX W4YO*	231 4X4NJ CX6VM HA9RE IK0YUT K2UU KA9CFD N7NG ON4ACG S57A	226 DL7HU E72A IK0MHR JA1UQP JF2KOZ K9FD UT5JAJ	222 DF6PB IV3JVJ JA9CHI JR6EZE K3SV K6EID KD0Q N5AW N6JV N8PR NV9L SM0CCM UR5EDX W9BF
249 AI9L JA2VPO JG3QZN K9NW SP5DRH	243 DK2JX DK3DG ON4ATW R5DT W9XY	236 JA0DAI JF8QNF K1JO OK2ZI SP8AJK UR5MID	230 AB4I JA0FSB JA1CMD JH4ADV N8JV R5AJ SM3NXS W4GF W4VQ W9IXX	225 A45XR FK8CP JH7PFD K1MM K5AB K9FD/KH6 N4CH OE5NNN RA3QK RV1CC RW3XZ VA5DX W7KW	221 DJ5FI JH2TPI K8FH N6VR N9BX W0VTT W1ZK W6JRY WS6X ZS4TX
248 I1EIS K3WW K5RX N5KD OM3DX PY2RO SM3VAC T77C UT9FJ UX0FF W9NGA	241 JA3EMU K5ZK N4XM N5TY N7RT OK1DWJ RL9F SP5GRM VE1YX VE3NH	235 IK0XEZ K3SWZ KC7V N6DX R7DX RA0FF VO1HP			
247 9A4T JQ3DUE K6XT NO2R R7IA	240 K0JUH K1ZG K9OT LA2XPA ON4IQ	234 G8VR K1DG K4UTE KF0QR OZ4O PY1BVY SV1RK VE7IG*	229 CT1FJK DJ4AX JA8EAT JI1BEX K9ZO RO7T SV8GFW		220 AG8B HB9LCW HL5IVL IK6FWJ IW1ARB JA1SYY JR4OZR KA1R N1LN NN4X
246 5B4AGN DJ2TI K0IEA N2NL N6TR	239 EA4KD JR3IIR				

OK1CF	JA2JW	K0MN*	205	WA7NB	JH2UVL
SP8NR	JJ3PRT	K3WA	HB9DDZ	WF4U	K3KO*
VE3EXY	K1AM*	W7JW	JA3AAW	ZL3IX	LA7JO
219	OE2LCM	209	K1DT	201	OE4PWW
IK3VUU	OK1DX	AD5A	N4PQX	DL1EJA	OE5FIN
IZ1LBG	RN7G	DL5CF	N9AU	K3HP	ON4CD
JA2FJP	W4NL	DL9MRF	PY2BW	MM0EAX	RZ6FA
K4MWB	213	JA2NDQ	RA1QD	PY2XB	UA0SC
K6TA	DF2IS	ON6YH	UN5J	UY1HY	196
K8ZTT	DL5WW	VE1DX	W1ECT	W5TCX	AA4HP
OE8RT	EI3IO	W0AIH*	W8UN	W9EWZ	K8PO
SP4K	HA1RW	W0ZR	WB8ZRL	WI8A	KP2A
SP7GAQ	JF6DSZ	W6PBI*	204	200	RA9CMO
WA2UUK	K3JGJ	W7KNT	DJ5AV	DL9DRA	RZ4FO
218	NA2M	WA5VGI	F6DAY	HB9CXZ	W0FS
DJ4PI	RU4SO	208	JA7MSQ	JA1GTF	W2FCR
DK0PM	W0LYI	AA9A	KK4SI	JH2RMU	W2IRT
EA6VQ	W0UO	DL7BA	LX2A	JI2KXK	195
IK1YDB	W1FJ	JA2IVK	N4NX	K1GE	4Z4DX
JA2FBY	W2WG	JA2WYN	N7FU	K5MC	G3ZEM
JA8CDT	W3YY	JG1ULJ	N9LB	RA3WDK	JA1EOD
K0EU	W6YI	JH0INP	US6EX	RW4NN	JA5AQC
K5UO	YU3AA	K2FU	W0LS	RW7M	JN7FAH
N0AV	212	N5ORT	WD8PKF	W0DD	K3LR
ON4GG	DK2NG	RU3ZX	203	W0MHK	K7SO
UT4MF	DL9GFB	SM5JE*	I4KDJ	W3GG	K9RT
VE3LYC	JA6LCJ	W1TC	JA2XYO	WA2HZO	KF8UN
W5PJR	JA9PPC	W6PJ	K4XO	199	N1SV
217	JF3KON	WB9CIF	K8AC	IK7NXM	N4QS
DJ8NK	K1ST	WS9V	K9MMS	JA2DPC	N5JR
K5PC	KE9I	207	KK2I	JE1PNX	W9OP
SV2JAO	KG6I	I4LCK	PA0A	K5RT	194
UA3AGW	N1ZZ	K1LPS	R6AF	K6GXO	HB9DDO
216	N4MM	K3JT	SV8CKM	N4DW	K1GG
K8SIX	SM5CZQ	K8EUR	W2HUV	N5ZM	K4KDX
N5UL	VO1NA	206	W8GC	N8DJX	K9JF
OE1ZL	YV1DIG	AJ6T	202	W7DO	KB9LIE
RZ0AF	211	IK0IOL	DL1MGB	198	KC9ARR
SP3CGK	IK4DRR	JA3PIS	DL2KQ	DL1ROJ	ND0N
UT7UV	JA4DEN	K2VV	EA1RT	EA6ET	SM2OAN
W6XA	K4MQG	K4NA	JA3CSZ	G3UJE	W2LO
215	K8ZH	K5AQ	JH1IFS	G4BUE	W9OO
N7JW	NX0I	K5EJ	JH3VNC	UA0SR	WD8JJA
W0GJ	RU3SD	KC6AWX*	K2NV	W1TO	193
W2LK	UR5FEO	KG9N	K4JJW	W8HB	AA5AM
214	VA2WA	SM6BZV	LY1G	197	AG4W
HL3IUA	210	VE3BW	N7KA	G3SNN	DL5ZB
	I8SAT		OK1DOT	IZ8VYU	DL6ZXG
	JJ2LPV		R9TO		HA5BSW
			US0KW		

JA9FPI	189	SV1DPI	IF9ZWA	JA0DET	XE2X
JA9NFO	9A2F	UA9CBO	K3PA	JA2ZL	
JO7WXN	EA8PP	W0EWM*	K6SSS	JA5IU	172
N9EN	FM5CD		N4AH	JA6BJV	CT1EAV
PA0LOU	K4ODL	184	ON5FP	JA8KSF	G0BLB
RN1ON	K9YY	AB4IQ	W3YQ	JE2URF	G3NKC
UA9FAR	SP7HOV	IK2QPR		K8MN	HK3W
W0RI*	UA7T	JF1NZW	179	RA3S	IT9ELD
W9MU	W5DM	JF1PUW	AA1ON	W4BP	IZ5MOQ
		JF4VZT	DM3VL	W4GD	JA3FGJ
192	188	K4HGX	K8WK	W6NWS	K0DEQ
AD8P*	9A2NA	K6SRZ	LA9AJA	W7BEM	K4CN
I5KKW	IK0FVC	KB0EO	NE1B		K5GKC
JA4PXC	JA1ANR	KB4ET	OK1MG	175	KA9FOX
K3FN	JA1KQX	S57AC	S57UN	DF2GH	KJ0M
K4FJ	JH1QAX	US8UA	SM4DDE	G0OIL	OK1DWC
K5XX	LA5IIA	W4UM	SV3FUP	JA0VSH	W4FQT
K9EU	UA0CA	WA3C	UT2UB	JA1CHN	
LA5YJ	W6SR		VE3DZ	JS3CTQ	171
LA7HJA	W8JV	183	W2YJ	K4DLI	4Z5CX
N4DB	WA6YEE	CT1FMX	W8TN	N5OK	DK3WW
RN3QN		CU2DX		SM5FUG	DL6KR
W4FC		EA5RM	178		G0EHO
W8LGJ	187	IT9INO	DJ9ON	174	JA2LCP
	AJ1H	K8VC	EA3CJ	CT3MD	JA6HUG
	K0SR	LA3WAA	JA1XEC	JA0GJJ	JR1TNE
191	KN5O	LA7AFA	JA4MRL	JA2XW	K2FL*
DK1FW	N2NS	LB8DC	K2EP	JF7DZA	K2KA
F4BKV	OK1CZ	NK1K	K2UR	JK1OPL	K3WC
K8FC	RM0F	ON6SAS	NE0U	JR6PGB	K4XR
K9LA	SM0NJO	W2FP	SM7DLK	K2PLF*	K9YC
LA4GHA	W7AWA	W8NW	SM7GIB	K3AJ	N4OGW
RK2FWA	WN6W	WE9R	SV1JG	K4TR	N7IR
W3UA			W1YM	K4WS	N7RO
WA2VYA	186	182		K8RRT	N9RC
	9A8A	DM5EE	177	KB8VAO	SV1LK
	JA3RAR	EA3JL	9H1SP	N1RR	WB7B
190	K0BJ	JA1SHE	AE5E	OE1WHC	
DK2LO	K7LAY	JA8DNV	CT1IUA	RN7F	170
IZ8XQC	KB1EFS	K0JGH	HA5WA	RX3APM	DJ6TK
JA1DUH	LA7GIA	K5KLA	JE1BMJ	UA3LNM	EA8JF
JA1MCU	W1NT	N5LZ	K7BG	W2OR	I1JQJ
JA2JNA		UR3EO	K7GM	W8UV	JA6JPS
JA7JWF	185	UT5UT	K9NU	W8VVG	JL1SAM
K2TE	AB6QM		SM6DHU	WT8C	JM1GYQ
K9KU	EA6BF	181	W1RM		K1NTR
KF7PG	G3KWK	JA0EOK	W5LT	173	K6FG
KM1D	K5ZD	K8NVR	W7FI	5B4ALJ	KL0S
KV7K	K9US	VE3OSZ		JA2BDR	N0RN
N5GH	N4TJ	YO2DFA	176	KA1J	N3OC
SP2LNW	N5UR		EU1AB	N5FG	N4PY
UT5EL	N8LJ	180	F6EXV	VE3FF	SP1MGM
VE7VV	OE2BZL	DM2DXA	I6FLD	W7MEM	SP3GTS
	OZ1AXG				

SV3KH	WA4LOX	K8TL	JF2XGF	RU4UR	K2LS
W9EVI	WX0V	N3BNA	JR7MAZ	SM3PHM	W1NA
	ZS1LS	N9FN	K3MSB	SP6EQZ	W2XI
169		PA3C	LA0FA	SV8ZS	W5DNT
HA9PP	166	RA3ZH	LB6KC	W2TA	153
JG3IWL	4Z1UF	UR4CWQ	RL3FA	W5GZ	AB9V
JR1IZM	DJ4SO	VE3CFK	RU6L	W7TVF*	DL3ZA
K1BD	IV3TDM	W0DJC	UA0FZ	YV2IF	EA5BY
K1LI	IZ8FWN	W7AL	UX5UO		G3TJW
K1NU	JA1FNA	YL2TW	W1BR	156	HL2CFY
N4XX	JA9LJS		W5XC	F6HDH	JF1IRW
N7US	K3KY	162		IZ4DPV	K8VJV
UY5AA	K4JLD	4O3A	159	JA9APS	N4TV
WA3AFS	K4PB	9A4W	4Z5MU	JE2LUN	N5TW
WB3JFS	K4ZYU	CT1GFK	AD5Q	JO7HAM	N8II
	RM3DA	F3AT	JF1WPB	K8YSE	OH2BLD
168	W1RR	IK4PLW	JH6QFJ	K9GA	SM6CLU
G3MXJ	W8ILC	JA1RTX	K4RO	KI5BLU	SP5CCC
IK2EGL	WA8TXT	JA6GIJ	LB2TB	KS1J	SV2AEL
JA1ADT		K1KI	W6BJH	N4GN	UT5UY
JA1PPW	165	N8MR	W7SX	TF3SG	WB8BPU
JE7JDL	AA9D	W0HT	WD5BJT	UA3SAQ	WE1P
K5QY	DL7UCX	W0TT	WX0B	VA3LX	WJ4T*
K6ZZ	JA9TWN	W1LW		W1YIF	YS1RR
K8RYU	JE7RJS	W7YAAQ	158	W4QN	
KR4F	JR7BDQ		9A2JK	W4TV	152
N4QQ	K5JZ	161	DJ4PT	W9RN	EC3A
N8BJQ	KK4CB	DK2GZ	DL1FKA		JT1CO
PA7F	SM4CTT	DL6RAI	J11FXS	155	K7SP
PY5EW	W5BN	I2ZGC	J11NJC	DL1RK	KS3F
SP5GH	W8KEN	JA1DOF	JR1GJP	HB9FMN	N9OY
W4SVO		JA6VQA	K5TT	IK0FUX	S55ZZ
W6VX	164	JF2UPM	NR4M	K4WA	UA6IGI
WA5YNB	HA7UW	JH2SON	NY0V	N4HB	UT5AB
	HB9BZA	JH4CPC	RU6M	NE0DX	VE6LB
167	IK0PEA	K5GO	RW3RN	NW7E	W1SKU
DK5AD	IK3SWB	K7NN	SM4EMO	SM6VR	W2RS*
IK4ADE	JA7ZP	K8ND	W0SZ	VK3HJ	W3IP
JA7MOL	K0BBC	N4XU	W1OX	W2XL	W6RLL
K4XD	K1NJ	OH6RA		W3GQ	W7AJ
K6KO	K9MBQ	W8WEJ	157	WP4U	WB3CQM
K8NK	N5WA	WC5N	AA4H	ZS6EZ	
LA5LJA	OH2IS	WW3S	CT1FPQ		154
N0IJ	PE1L	YU2TW	EA3WD	154	3V8SF
N7XR	RA3DNC	ZS5LB*	G3TQZ	DL4MM	EU1KY
RA1AOB	W4NS		JA0UUA	GM3PPE	GM3PPE
RN9N		160	JA1GHH	JA8NFV	JA8NFV
S51EC	163	DL1DA	JA4FKX	JH1TWT	JH1TWT
VE6WQ	DJ9HX	HB9DHK	JE2LPC	JH2QMT	JH2QMT
W1YW	GU4YOX	IW2FND	JH7IAJ	K0KVR	K0KVR
W8HC	IW0SAF	JA2EPW	LY5A	K1USA	K1USA
W8OI	JA3ENN	JA9NLE	N5MOA		
WA0MHJ	K0TT	JE2OVG	NE9Z		

RD3A	W5FKX	EI6IZ	N5XZ	139	JE6TSP
RU3A	W6RW	G4FTC	N7QT	DJ4XA	K2QMF
S54A	WS5W	GM3ITN	NA4D	DL5CW	K8NS
SP7AWG		HB0CC	NQ7R	DL5EBE	N2PK
SV9AHZ	147	HB9BYQ	NY2NY	DL6MRS	RA3CO
W7RH	EA3GP	JA3GN	OK1DO	DL8OH	RG7G
WA1Z	IT9DSZ	K1KA	W2OO	IZ8IEV	UN1L
WS7L	IV3VBM	K3VAT	W5VQ	JA1TMG	UU1JA
	JA1XQC	K7HP	W6QUV	JA2ATE	W1ITU
150	JR9OPJ	N1IX	W7HPW	K3ANS	W5ODD
IV3RAV	K2AX	N3KK	W7ZI	K6AM	WB5JID
JA2NQG	K3TN	N7BT	W8RLS	K8RF	WP4G
JH1NYM	KM1H	NI0C	WA5POK	K8ROX	
JH1RFR	N9CO	SM3DTR		KU0A	136
K7LV	UN7LZ	SM4OLL	141	LA8WG	E72U
K8AJS	W2KKZ	SM5CLE	DL5MHQ	OK1MP	EU4A
KU4XO		W4GE	EW1BA	OK2QA	I0JBL
N3QE	146	WC5M	I5MXX	RC9F	IK8CNT
N9MB	HB9TKS	WD5T	IT9GSF	SV8ZC	K0TV
OE8SPW	JA1HQG	YO3CD	JA1SVP	W0SD	K5VWW
OZ3SK	JA4DHN		K2RW	W5LUA	KR6C
RN3OG	JE3GRQ	143	N1IBM	W9XQ*	N2ZN
UA6YW	JH1GNU	DL1DUO	N2RJ	WA8WV	OK1DW
W1VT	K3RA	DL5KUA	NJ3K	WB8CQV	SM5OJH
W3JX	K5SM	DL6EN	SV3FUO	WW2DX	UT3UZ
W6DAO	K7WP	HI3T	W1AX*		UW8SM
W7CT	NE3F	HS0ZEE	W1OP	138	W2CG
	OZ1HX	K0QC	W3BW	DK8MCT	W2OIB
149	RU0SN	K5TR	W9JJB	DK8YY	WA9PIE
DL7CX	W1IZL	K7CMZ	ZS1C	EI9FBB	WB7QXU
EI6FR		K7CW		EW2A	
IK4FNF	145	KJ9C	140	F6DDR	135
JL1ARF	AF4HX	N5UW	9A1CAL	HB9SLO	5B4MF
K4RG	DK1WB	N6PAT	DF2RG	IK8EPC	AA6AA
K4YYL	IZ3ENH	R8TX	F5LVL	IT9BLB	DJ9ZB
K8ME	JH1QDB	SV1CNS	JA2VQF	JA1PTJ	F5PAC
NX8Y	JJ3HGJ	UN9L	JR3OEH	K1RO	F6FXU
SM6CUK	JN1BMX	VE3CV*	K3PP	KK1W	IV3DXW
UW7UA	K1OA	W2/CT1GIF	K5WK	N1CGP	JA7LMZ
W0GG	K4OY	WA2BCK	K6KLY	N7WS	JA8BNP
WB8B	K5KV	WB8ZRV	K6NR	RW4CY	JA8JL
WD5K	K8BL	WD9DZV	LA6OP	W1GD	JG0CQK
YO3DDZ	KF6HI		N4XP	W2YE	K2RET
	KR2Q	142	OH6NIO	W4YV	K7FL
148	N1EN	I5HOR	OK2ZV	W7OM	K9MK
AC6DD	N4GG	IK0AGU	ON7DR		NZ9R
EA7TV	RT0F	IZ4GWE	VE6SV	137	RN3RQ
F5CQ	W1ZT	JE2DZC	W0SEI	CU3EQ	SM3LGO
N2WB	W9AJ	JE3ENP	W4VIC	EI9JF	SM5CZK
N3RC		K4WZ	W7IV	GM3YOR	SP2BMX
UA2FF	144	K8UT	W8LWU	IZ2FOS	SP3XR
W4DKS	DL4SZB	LA9VFA	YL2MU	JA3APU	W1DIG
W5FIX*	E70T	N2WM		JA9RRH	W2GD

W4BUW	AD6W	JR7WFC	K3XA	K4XU	KD4POJ
W4MBD	IT9RDG	K1ZE	K4JAF	KC2LSD	KI4WCQ
W4RFZ	JA3DY*	K2MYR	K4SE	KF8DX	PA0TCA
W5ZG	JA6CBG	K5VIP	K6LPO	N6PSE	SP6A
W6JTI	K6YUI	K7LFY	KG7CW	N8NA	UA0BA
W8HW	KE9ET	K8BCK	N3MK	OK3CQD	VE1DUN
	N6HY	K9GL	N5KM	PA5TT	W2RIJ
134	ON4CAS	KJ6P	OZ8X	PC3T	W3FM
AA7G	OZ2RH	NA4EA	R9SG	VE3CX	W6CYX
DF7EE	SM4BZH	NO9E	S53X	VE7BV	WB0TEV
IK4DCS	SM6BGG	OZ2ABI	SM3GQP	W5AJ	YO2RR
JE1FQV	VE3CRG	PY5HOT	SV3DCX	W8REW	
JH4ALY	W1EQ	R3VA	VQ9LA	WD4LBR	123
K1TO	W4AXL	R5QA	W2WC	XE1KK	AC4TO
K3OX	W4RBO	R9AB	W4IS	YU1EXY	DL7JRD
KA8SYV	W4WM	RU1AO	W6RKC		G5LP
KD0PO	W5SL	SM5CBM	W8MET	125	HB0WR
N8OC	W7AH	UN7JX	ZS6UT	9A1AD	IK3XJP
N9RS	W7CD	VE3DO		EA1AF	JA0CRG
OE1TKW	W9FR	W2MPK	127	GW3TMP	JA3MHA
RG6G	XE2S	W6DR	JA1DDH	HK1MW	JA5XAE
UA0ACG		W9ZT	JA1WLO	JA4IYL	JF2WXS
UY0ZG	131	WB3D	JA2AHH	JA6VU	JR1EBE
W4JKC	AB9M		JA8RJE	JA7KY	K2PK
W5ADD	DK7YY	129	JR1XIS	JE1TSD	K4ZIN
WO2T	DS1JFY	CT3HF	JS2LHI	JE6UWU	K5GH
YU1AM	G3UHU	EA1YO	K0RW	K1HAP	K9CS
	HS1NGR	G7VJR	K3TRM	K5KG	KM4NS
133	IV3KFB	HB9HFN	K9ZM	K8DV	KV4T
CU2AP	JA2TBS	JA1NWD	KM4H	KM3V	N2ED
EU1U	JA3OOK	JA2KVD	N1AC	KQ4AV	N6MZ
HB9IQB	JA7LGE	JA8JO	N1GC	LZ1XL	N9JV
IZ8DFO	JJ1TEA	JH0BQX	OE8HIK	LZ2ZG	N9LQ
JA4OK	JM1FHL	K3NK	RA5BM	N2KA	NA2P
JA7GLB	K7XB	K4TT	S55DX	N3EN	S50B
JF3LOP	KH2L	K6XM	SK7AX	N4JT	UA3DK
K1ZN	N4QWZ	N0YY	SM0BYD	ND5S	UT3QU
K2CDJ	N5PHT	N3KS	SP7ASZ	NW6S	W1AO
K8GI	NA5DX	N3RR	V51B	OE1AZS	W2JU
KS4YT	NN4R	PY5EG	W0CP	OZ1IKY	W8MK
KU2A	ON4ON	SM3BCS*	W0RT	RA0BA	W8NJR
KX4TT	R0SR	W7QHE	W0YVA	UU7JM	W9ILY
N9MR	R9MJ	W8GNM	W3MF	VE3UTT	WB2REM
OE1KM	R9SA			W3BG	XE1H
OE6VIE	SV5DKL	128	126	W5DAW	
RV4LC	W7JY	AA4SC	DJ8WD	W9CG	122
UQ2PZ	W8DCH	EI2JD	F8BPN	WE4S	G3NDC
VE3WT		ER0FEO	G4IUF		G4WFQ
W0NFL	130	JA2KSP	IK8GYS	124	HK4SAN
W2QO	DF9ZW	JA9AA	JI4POR	AA7XT	IZ0RVI
	E73M	JE1LFX	JJ1DWT	JA9AGN	IZ7EVZ
132	HK0HEU	JH1HHC	K2ZD	JI1DHY	JA1MRM
AA4NC	JA2FBC	K0FF	K4JKB	KA6BIM	JA6WJL

JH4JNG	N4BAF	DL5OCE	N3ND	115	JH6WMJ
JI1DCW	N4TB	DL9FCY	N4IR	AB2E	K1RV
K1CA	N6HC	HA1RB	N4TL	AJ4F	K2DC
K1YT	OE3EVA	HB9DHG	N6MB	C6AGU	K3MD
K2MP	PZ5RA	JA4FHE	N8AA	CU2CE	K3OSX
K7UT	SP7ITB	JH4ADK	N8XI	DL9GOA	K5RJ
K7ZA	W3OA	JI8DGO	NY4G	EI2GLB	KB8U
KR0P	W4PRO	JN1RQV	S51NM	G4XEE	KZ4V
LA8PT	W6RFL	JR6FC	SM7BIC	G8BCG	N2JJ
N4DWK	W7RN	K1UU	SV1AHX	G8DX	N3MN
NN7X	WY1G	K3WGR	UA6J	HA5UK	N3NR
OZ3Y	ZL4AS	K4CNW	UB3A	JH1RFM	N9AW
RD4A		K7TM	UR9IDX	JH3CUL	NU8Z
UU4JMG	119	K8LN	US0YA	K0GD	SP3FAR
VE6AX	AA3AZ	KD6UO	US1CT	K0SD	SP6JIU
	DK3GG	LZ2HM	W0IZ	K4CMS	UA3FT
121	DK3UA	N0OK	W4DAO	K4GHS	VE3YF
AA6RR	EW4M	N2MM	W4NF	K4GK	W4TUN
DF1DB	HB9AAQ	N3UA	W4ZRZ	K5XM	WA1FCN
DK1EI	HB9BCI	NA5C	W6SL	K6FW	WA9YYY
DK6CQ	I2TZK	PY2PA	W8LMG	K8YTO	XE3ARV
F4GTB	I4MKN	RN3TT	W8ZR	K9SG	
K4ZO	JA3AZD	SV9COL	WA2USA	KO8SCA	113
KD8RQE	JA4XGC	TA2RC	WA3I	N0IRM	9A1A
KG9Z	JH6CDI	UN7JID		N4OA	BA4RF
LB5WB	K5UZ	VK4CAG	116	N8KOL	DJ5DT
LB7ZG	K6EME	W1KSZ	DL7URH	OE3SGU	DJ9RR
NA2U	K7EG	W4NJ	EA5BRE	PA3AXU	DL8CM
UQ1GWW	K8KWT	WB0O	HA7PF	RZ6MJ	DL8DYL
UT4EO	N1JP	WT4Q	HB9AZZ	UA1ANA	EA5KA
UU2JQ	N4UFP	YO4AUL	IK0EIE	UA1CGS	G4AFJ
VA3AYA	N8PW		IT9TQH	UA6XT	IT9AAI
W2GG	N9UA	117	IV3HYD	UN6T	JA4ITW
W6XI	NA9RB	9Y4VU	JA1WTI	W0QQ	JA5WIZ
WA1PMA	NN2L	AE0P	JE2JMV	W3RJW	JH1ORA
WB8K	NT2A	BH4IGO	K1DC	W9XX	JH3GCN
XE1VIC	NY7T	DL1DWT	K1RI	YL2CZ	JR6LLN
	OH5NG	DL2VWR	K6SIK		K8SL
120	OK1DT	G3LAS*	KT1V	114	K9GWH
9A5F	R6FFB	IK5DNF	LA7WCA	AB1OC	KH6DX
FG5FR	SV1ACK	IT9DAA	N0KV	AJ4A	KI0G
HB9BLQ	SV1IW	JA1HQT	PA0JSE	BA4DW	KT1J
IT9ZZO	W2TB	JA1XCZ	PA3EWP	BA7IO	KV1J
IZ0LKV	W2YR	JA4FM	RV3ID	CT3FN	KV4AA
IZ5NFD	W4HZ	JA7GYP	UA4PCM	CU3AK	N1QY
JA1SJV	W5QP*	JA7IC	VA7CRZ	DL6NB	N4DJ
JH4GJR	XE1RCS	JH4HMG	W1ENE	F6CWA	N7KO
JL1RUC	ZS1A	JM3GXU	W1WEF	G3SDL	NI5F
K1ESE		K5JC	W7GG	HK3PJ	NK5B
K2BA	118	K6PJ	W7OEV	HP3TA	R7NA
K2HK	5T5PA	K8OOK	W8LRO	I5OYY	RA4UN
K3QIA	AE3T	K8QM	WQ5L	IK2SGB	RZ3AUL
KA8ZPE	CT3KN	N2BJ		IU0HDC	SM5ARL

SP3EPG	W2CVW	W8MIL	W4NE	HB9FAN	I5IHE
SV1JFV	W3MR	W9RB	W5ZPA	HL3GOB	IT9XTP
SV2AVP	W3UL	WA2MUA	YO9FNP	IK0PRG	JA5EY
UN7TW	W4VHF	WB9EEE	YU7AU	IK2OHG	JA8JTH
UT8MM	W5VX	WP3R	ZL3NW	IZ0BTV	JG1DUZ
VE3KI	W6TC	WT9U		J68HZ	K2MK
W0VX	W8GEX	YL3DQ	109	JA0AOO	K3SW
W2GW	W8HMK	YO6HOY	EA3GHZ	JA0GCI	K3YBN
W6BK	W9SE		EU4T	JA2MOG	K5FZ
W8FAX	WA8OLN	110	F8EZE	JL1UXH	K5KPE
W9VNE	XE1RBV	AG1A	G3SVD	JR3UIC	KB2FCV
WA4DOU	ZP6CW	CU3AN	JA2CXF	JR7FRW	KD2T
WB2HJV		DL1VDL	JE2EHP	K1XM	KE2R
WS4C	111	DM2RM	JO7KMB	K2KQ	N2RR
ZL1BYZ	AA4U	EA5BYP	K1BZ	K4WY	N3DAP
	AF4OX	F5BAR	K2ONP	K6UT	N4RF
112	DK2WH	G3LNS	K3PH	K8OM	N6EE
A92IO	DK6ED	G8AJM	K4RDU	KN4JX	N8AGU
AA4DD	DL5CL	HC1BI	K5KA	LU2DKT	NA5Q
AC9EM	EV1R	I2BBJ	K6MW	N1BZ	ND4V
DJ1RL	G3PLP	IK5RUN	KC2STA	N5BO	OE1CP
EW1DO	G4DBN	JA9KRO	KE1F	N6RFM	OK2BUZ
G3XGC	IK2CHZ	JH1VHU	KL7RA	NG0G	OK3CQR
HB9CRV	IK7YZG	JH7RXU	N9HF	NY4I	R0FA
HB9G	JA1AUD	JR2UBS	NN4RR	PA0ZH	RN4AA
IU0LFQ	JA1FGB	K1EO	NU4I	R5FY	RV6ARZ
IZ4DIW	JA1NCZ	K3JRR	NX7U	R7LA	SP3BQD
JA1SXR	JA2KNW	K4WW	PY5CC	RX6DX	SP6AXW
JA2HYD	JA5FDJ	K5WAF	R7LP	S57J	US5CB
JA7BXS	JE8TGI	K6VKO	RW4UU	SM6AOU	VE3OI
JR7TEQ	K7ORK	K7PI	RW9QA	UX7UN	W3KB
K0CA	K9AJ	K9DR	RX3AGD	UZ6LWZ	W6TDX
K0JPL	KM1R	KA4RRU	SV1FKZ	VU2CPL	W8VK
K0TPP	KZ0X	KB4MRX	TG9NX	W2UB	W9CPV
K1KO	LA0CX	LZ1PM	UB5ZAL	W3NRJ	WA2BOT
K4UAS	N4WJ	N2CG	UT7KF	W3XY	WB4TDH
K8CC	N7BD	N3HBX	W0VHF	W4ZYT	WS1L
KI4DLS	SP8HKT	N3IQ	W5WP	W7ACD	YL1XZ
KM1C	UR6QA	N3JB	WA7BNG	W9NIO*	
LA8HGA	UT1UY	N4IQ	WB5TUF	WA2ALY	106
N4ZY*	VE6KC	N4KE	WN0L	WA8MOA	AA4FL
N6MA	VE7CT	NA1DX	XE1FAS	WC1M	AE2U
N6PE	VE7UF	NC6K	YV3AGT	WD9EQU	DJ6OZ
N6RK	VE7XF	OH1JP			DL1QQ
NA3F	W0RX	OZ1LCG	108	107	DL2NOM
OH1ZK	W2SKI	RD9M	AI2Q	4Z5LA	DL3JSW
RU4SU	W3FOX	SM5BHW	AL7R	DK3FB	DL6CNG
SM3DMP	W4HOG	SP6M	DF1KG	DL2CHN	DO4DXA
UA1ACG	W4NU	SQ5EBM	DG7RO	DL5XU	EA3CCN
UA1CEI	W4OX	TA1CM	EA1JO	EA5AT	G4RGK
UA6AUA	W5AQ	US7MM	EI8IU	EA7QW	HA8DZ
UT6UD	W5JMW	W0UY	ER1LW	G3VAO	IU8FRE
W1HEO	W7VS	W4DC	HB9BAT	G4AKY	JA1VLK

JA3NHL	G3YUV	AH0U	UT4EK	K5AV	DL3DXX
JE6IGP	HA8FW	CP8HD	UT7EC	K5JUC	DL3NCR
JG3HBO	IW3GJF	CX3CE	UX4UM	K7BTW	DL4CW
JG5RVQ	JA1BWA	DJ8ES	UY0MM	K8CCV	DL4KUG
JH2KKW	JA1TAA	DK3BK	VE3VHB	K9MUG	EI4DQ
JJ0NCC	JA2MNB	DL4FAP	W0YBS	K9XJ	F6BWO
JR0EQQ	JA6VA	DL7UPN	W1QA	KE1IU	FM5WD
K0DEW	JA7BME	E73D	W2NO	KJ4R	HB9AHL
K1PX	JA8RRF	EA8ZS	W3DRY	KJ7WY	I8LWL
K4DSE	JE2UFF	F6AJA	W3TMZ	KM8AM	IK0DWN
K5AM	JF1RYU	F8GB	W5CWQ	LX1DA	IT9SFT
K5ZQ	JG3LGD	G3BRD	W5GJ	N0RU	IW0HEX
K8JJC	JR2LJO	HB9CIP	W5VY	N1HOQ	IZ4MJP
KQ3F	K2XF	HB9CQK	W5ZO	N2SQW	JA0HXV
N0JZ	K5CD	HB9RYZ	W6PH	N9BBQ	JA4BXL
N2CW	K7OX	HI8RD	W7DR	N9SF	JF2WGN
N4LR	K7PO	HK3O	W8KA	N9TF	JH9DRL
N7NR	K9RO	JA1SDV	WA0I	OH3GD	JK1MZT
N8AID	KI5T	JA2FGL	WA6TLA	OK1DQT	K0EOO
NI5M	KT2E	JF1EGO	WA9ETW	OK2BQU	K0YN
OE5CSP	LZ1JZ	JF6WTY	WL7E	OK3BRK	K1PTF
OK1AYU	N2WLG	JO1WXO	YC0LOW	OZ7JZ	K2LP
OK2BVG	N3XM	K0WK	YO5ODE	R9GM	K2TK
S57AL	N4JI	K1BG		RA0FA	K3KG
UR3CRO	N4NW	K2BB	103	RA4HT	K3NF
UT7UU	N4SC	K2BLA	AA5JF	RK3QY	K4AQQ
UU5WW	N4VN	K4KEW	AG1I	RU3OW	K4LM*
V73AZ	N6NU	K4MF	AI3Q	SM3CBR	K5ZO
VQ9SS	NS3L	K4VIG	AL7TC	SM6EHY	K6MI
W1CWU	ON7PQ	K5HK	DJ1MM	SM7BHH	K7BHM
W2EQ	OZ4AAL	K6UM	DJ7PI	UA3PFN	K7UA
W2LE	PF7M	K7TJR	DL2HX	US2WU	K8BHZ
W4IR	PJ2/K8ND	K9EA	DL8YRM	VA2ZO	K8OQL*
W5JAY	R6YY	KA2BZS	DM5TI	VA3IC	KG8CW
W8IW	RA6AF	KH6KG/W5	EA7SG	VE3MFA	KN4KL
W8OP	RD4WM	KW0A	EU6MM	VE3VV	KX2A
WA4MYO	UA3O	N3ER	EW3LB	W0UVC	KY6R
WA8MCD	UA6LCN	N3TR	G3BDQ	W1CTN	LA3ANA
WW1WW	UR1RWX	N4MEC	G4AAW	W4AVY	N5RZ
WX3P	UR2RGN	N4TTE	G4PUQ	W4MZ	N9ISN
XE2YWH	VE1PZ	N8MZ	G4VGO	W4TMR*	NA5Z
YL2GN	VY2ZM	NJ9C	IK2ANI	W4UCK	NZ3M
YU3EF	W1LY	NN3Q	JA2GQO	W5THT	OH2EA
	W4OWY	NU4Y	JA2OLJ	W5VU	OK1DTN
105	W6FF	RA1QX	JA8EJO	W6SZN	OK1JDX
DF2PI	W8FIB	RU3UR	JH1DGQ	WC6DX	OK3CSQ
DF8AA	WB2UFF	RZ6DX	JK1BSM	YO7APA	ON5UE
DJ3XD	WQ5W	RZ6LB	JM2RUV		PA7TWO
DJ6KH	YU1NR	SM5CCE	K1EP	102	PY2DO
DL4ZAB		SM7CQY	K2CJ	A6/RV6LNA	R2AB
DL6XK	104	SO5AS	K2UVV	CT4BD	R3IS
DO1CTL	9M2AX	UA9FGJ	K3FM	DK3QM	RU3UN
ES1GO	AD1C	US5CAO	K4LQ	DK5RL	SM6WET

SP5JXK	JA6TMU	SV1PL	I0OSI	NJ3I	W9ZCL
T77V	JA7SFD	UA0FDX	I2VGW	OE5JDL	WB4SON
UA1AIR	JF1RPZ	UG6GAW	IK0HFO	OK1DXD	WK4Y*
UA1CKC	JH3HGH	UR7CQ	IK4MSV	OK2PAZ	WU2M
UA6HOF	JH3PRR	UT1CC	IS0/YO3RA	ON7EH	YB1TJ
UA9MR	JI3KDH	UT4IS	IW0BYL	ON7GB	YL2SM
UA9UCO	K0LW	UT7HA	JA1BRK	ON9CC	YO9FLD
UW7CN	K1YR	VE2OJ	JA1CPU	OZ1ZD	ZP9MCE
VE2FYR	K2BX	VE3XB	JA4FSH	PA0INA	
VE3EDY	K3SEW	VK2GR	JA5DQH	PA7RA	
VR2MY	K4KAY	W0QC	JA8OW	R3PJN	
W1PV	K6AAW	W1FC	JA9CGW	R9JX	
W2LW	K6XJ	W2SF	K0FLY	RA3SD	
W2TX	K7AR	W3HKK	K0XM	RA4LW	
W3EKT	K7IA	W3WH	K1NA	RA6XB	
W4ALF	K8BN	W4BUE	K1NZ	RL3BZ	
W4JVN	K9PG	W4PM	K2CBI	RN1A	
W5KI	KE4S	W4WT	K2CYE	RT5A	
W5TO	KF7NN	W7AV	K3FRK	RU3GF	
W7IUV	KI0KB	W7CB	K3TZV	S53MJ	
WA0IDK	KN6J	W7QC	K4FT	S59SV	
WD8DSB	KQ1F	W8GB	K4KSY	SM5AHK*	
WS4Y	KW4BY	W9MAF	K4UQC	SV1VJ	
YO2IS	LA2GV	WB3HLH	K4YJ	SV1VS	
	LZ1XZ	WC4H	K7VIC	UA3AKI	
101	LZ2XF	WK9U	K8BZ	UA4PAY	
AA2VG	N2AJ	WR2G	K8CR	UA6CEY	
AA4NU	N5AQ	YO6BHN	K8CS	UN6P	
AB4GE	N6WM	YV4DYJ	K8LE	UR4CW	
AC5O	N8AG		K9NZ	UR4LRG	
AC9S	N8NN	100	KB0EL	UR8IDX	
CT1JGA	NX2X	9M6YBG	KC0V	US8UW	
D44BC	NZ9Z	A41ZZ	KC4D	UW7LL	
DH2FW	OA4TT	AA4AK	KC5LT	VE1RGB	
DK9WI	OE3WQB	AB4VV	KD8BZY	VE3OAT	
DL1KS	OH3TY	AC4VM	KJ6NZ	VE7JKZ	
DL3ANK	OK1PGF	AI2S	KP4N	VP2VA	
DL5JS	OK2BOB	DJ6OI	LA8W	VR2PX	
DL5RDI	OK3EY	DL1HRN	LU5OM	W0GYH	
DL6JZ	OK4MM	DL1TPY	LU5YF	W0MU	
DM3ML	ON4LG	DL9GTB	LZ3YY	W1AN	
EA1WX	PV8ABC	DU7ET	MM0SJH	W1AW	
ES5RW	RA3AH	EA2AAZ	N0AH	W1MRH	
EU1TT	RA4P	EA3ALD	N1KI	W1YRC	
FG8OJ	RA4SD	EA8AXT	N1MD	W2CCC	
G3ZFC	RB7GG	EC5A	N2XQM	W3BBO	
G4DJJ	RK9F	ES5NC	N3AF	W4HHN	
G4FJK	RY6M	F6ECI	N4CRI	W4OV	
GM3WTA	SM2DMU	FM5GU	N7TK	W7DT	
HB9NL	SM7NDX	G0VXE	N8IL	W8CNL	
IV3GOW	SP5MXZ	G3OIL	N9ADG	W8FN	
IZ7JVR	SP7JLH	G4CGG	NB3R	W8GDQ	
JA1VVX	SP9DH*	GM3ZSP	NG7A	W9YE	