

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

297 DK5PR N4CC OE6IMD OM2XW RA3DX W0CD* W0FLS	SM3NRY SM6CMU SP3IBS UA3AKO	I0WDX JH4IFF K4SO K8KS N2LT N4KG* SM6CTQ SP3DV US5WE UY5ZZ W0BV W2YC	OK1AWZ	W1ZC
296 DF2UU DJ2BW* F5NTV G0JHC G4PWA OE1WEU ON5NT W1JZ	289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX W5ZN	281 DF2PY JA2PJC JA5EXW K1CP K9CT S59Z W4TO	275 9A1CCY K2UO K4IQJ OH3BU SP5CJQ SP9DWT UW2ZM VE2TZT W2OKM* YO3APJ	268 DL5DSM G3WPH KD5M RA3XDX RK4FD SM5DJZ* W1MK
295 K3UA	288 PA3GCV RA3CQ RY9C SL0ZG SP7VC UA4LY W0JX WK3N	280 EA6NB SM4DHF SP6HEQ	274 G3TXF IK4CIE K1ZZ SP6AEG	267 LU8DPM RZ3DX
294 JH2FXK LA5HE RJ3AA	287 DL1RWN G3XTT N2QT VA3DX W4PK WD5COV	279 HB9BIN IK4DRY N2TK UA6MF	273 F5NBU IK8HJC K2CL K5BG KF2O MD0CCE RA3DA SM6CCO UA3DPM UX1AA W6UB	266 K8PT LA3MHA NR1R R3LA W8TE W8XD
293 DL1AMQ KV4FZ* S58T	286 DJ2YA IK1GPG JR2KDN K3SX N3SL PA0WRS UT7UW W8AV	278 DK0EE F6BEE JA3FYC JR7VHZ K5DU KG4W NJ6P UR5WA	272 9A2EU CT1EKY DL1DUL DL2OE JA8ISU	265 AA1V AA4V AA7A G4OBK RW0LT YO5BRZ
292 G4BWP JA2JPA JH4UYB OZ1BTE R7FK* SM5AQD SV1AOZ SV8CS W3YX W8TOP	284 K5XI UA3AB	277 AA4MM DJ9VA F6AOJ IK5BAF ON7TK SM6CNN	271 EU7A G4GED HB9AMO OZ1CTK SP6CIK	264 AA6YQ W1GL
291 9A7V DF3GY JA4LXY KD9SV N0TB R7NW SP3E UA3LAR UT7UJ	283 CT1APE G4CCZ HB9BGV NA0Y NO3M R3OK	276 DK5WL DL7VEE G3LZQ N8RR N9IW	270 I2AOX OE5KE SM5KNV	263 IZ1ANU K9OW W2SM W3AP
290 IZ0AEG	282 DL1YD			262 G0DQS K4UEE* K4XP K7ZV KR9U SP9JZU UX4UA* W1YY
				261 9A4T DL9YX K2EK K5KC N6SS

NO8D	253	R7IA	UA3TT	JH4ADV
SP1S	5B4AGN	WB3AVN	VE1YX	K3SWZ
260	K5ESW	246	VE3NH	KA9CFD
K1LT	RU3FM	DJ2TI	240	N6DX
K4DY	S58Q	K0IEA	IV3ODE	R7DX
259	SP9FKQ*	N6TR	K0JUH	RA0FF
DF4PL	UA1OMS	TF4M	K1FZ	RU3QR
EA5BM	W0YG	W2TQC	K1ZG	VE3XN
F6GCP	252	W5XZ	K9OT	WA7NS
I1FQH	EA1DR	245	LA2XPA	234
IK2YCW	IV3YYK	DL4CF	SV8GFW	AC4G
N3NT	JF2MBF	F2JD	UR5MID	AJ6T
R9FM	LA5IIA	JA1GV	239	K4UTE
SP5DIR	PA4VHF	N5DG	F6BLP	KF0QR
258	S52F	N9US	JR3IIR	PY1BVY
KW9A	W3UM	RL9F	K0KT	VE7IG*
KX4R	251	RY7G	KH6AT	233
RN3CT	DJ7RD	244	LY3UM	AB4I
VE3QAA	DL9RT	AG9S	RN3QN	IZ4BEZ*
257	JA2VPO	DK6WL	SV1ELF	K0CS
EI7BA	JH0BBE	IK0XBX	238	K1AR
IK5HHA	N4II	JA1HGY	DL8WN	KA7T
K1GUN	ON4AOI	JA7QVI	IK0XEZ	SK3PY
SV8BHN	VK4MA	K9RX	JA0CRI	UA4HAU
W9YSX	W3KX	ON4IQ	JA0DAI	VA2WA
256	W5UN	243	JR3GWZ	W7AO
9A5CY	W7LR	AB3CV	K1HTV	YO7LCB
JA5BZL	250	DK2JX	VO1HP	232
JH1GZE	HB9RG	DK3DG	237	JA8EAT
K1QX	NQ1K	JF8QNF	AA1QD	K2AZ
K5VRX	OZ8BZ	NN4X	DL7MAE	K2UU
K8FL	PY2RO	ON4ATW	IK0MHR	K4XL
N5KD	249	S57A	K1DG	NI6T
N8TR	Ai9L	W9RPM	K1VW*	UA3AP
PA7MM	I1EIS	W9XY	NI0G	UR5EDX
W1TSP	JG3QZN	WX4G	OM4EX	W3LL
255	JQ3DUE	242	SV1RK	231
G3ZSS	K9NW	KG7H	W4YO*	4X4NJ
K4QL	SP5DRH	R5AJ	236	EA6VQ
KY7M	248	241	G8VR	HA9RE
N2MF	K3WW	EA4KD	JA5MHD	IK0YUT
UX0FF	K5RX	JA1SYY	K1JO	JH1HGC
W3DF	N2NL	JA3EMU	K9NR	K5EK
W5OZI	R5DT	K2FF	K9ZO	N7NG
254	SM3VAC	K5ZK	KC7V	OK1CF
N0AT	T77C	N4XM	OK2ZI	ON4ACG
OM3DX	UT9FJ	N5TY	OZ4O	S51DI
WA4FFW	W9NGA	N7RT	SP8AJK	W9IXX
247	247	OE2LCM	YO9HP	230
K6XT	K6XT	OK1DWJ	235	FK8CP
NO2R	NO2R	SP5GRM	CX6VM	IZ8FFA
				JA0FSB

JA1CMD	RA3QK	JR4OZR	214	JH0INP
N8JV	RV1CC	K8ZTT	HL3IUA	JJ2LPV
SM3NXS	RW3XZ	KA1R	JA2JW	K0MN*
W4GF	SP3CGK	N1LN	JA2WYN	LA4GHA
W4VQ	US0SY	N5JR	JJ3PRT	UW7LL
	VA5DX	VE3EXY	K1AM*	W7JW
229	W7KW		K3JGJ	WS9V
CT1FJK		219	K4NA	
DJ4AX	224	IK3VUU	OK1DX	209
JA8FKO	DL5WW	JA2FJP	ON6YH	AD5A
J11BEX	IZ1LBG	K6TA*	RN7G	DL5CF
RO7T	JA9CHI	N0AV	W4NL	DL9MRF
	N8BM	OE8RT	W6YI	EU1KY
228	ON4GG	RA3WDK	YU3AA	F6DAY
AF9H	SP5INQ	SP4K		HB9DDZ
AI0O	SP8NR	WA2UUK		JA0UUA
EA1N	VK6VZ		213	N9LB
K4HB	W2RQ		DF2IS	VE1DX
NT0V*		218	DL7BA	W0AIH*
OH2BEN	223	DJ4PI	EI3IO	W0ZR
	AB0X	DK0PM	HA1RW	W1ECT
227	HA7TM	IK1YDB	JF6DSZ	W6PBI*
DL7HU	I3BUI	JA2FBY	K1ST	W7KNT
E72A	RT6T	JA8CDT	NA2M	
ES1RA	SV2JAO	JF3KON	RU4SO	208
IK0HBN	SV8CKM	K0EU	W0LYI	JA7MSQ
IK6FWJ	VE6WZ	K5UO	W1FJ	K2FU
JA1UQP	ZS4TX	LB8DC	W2WG	N5ORT
K1FK		UT4MF	W3YY	RU3ZX
K3NW	222	UT7UV		SM5JE*
KD0Q	DF6PB	VE3LYC	212	W6PJ
N2WK	IV3JVJ	W5PJR	AA9A	W9EWZ
NV9L	JH2TPI	WA7NB	DK2NG	
WB6RSE	K3SV		DL9GFB	207
	K6EID	217	K4MQG	G3NSM
226	N5AW	JG1ULJ	K8ZH	I4LCK
DJ5FI	N8PR	K5PC	KE9I	K1LPS
JA6BZI	N9BX	MM0EAX	KG6I	K3JT
JF2KOZ	SM0CCM	UA3AGW	N1ZZ	K8EUR
JR6EZE	W9BF		N4MM	PY2BW
K9FD		216	SM5CZQ	UN5J
N6AR	221	JA6LCJ	VO1NA	W0LS
N6JV	DJ8NK	K5EJ	WB9CIF	
UT5JAJ	K4MWB	N5UL		211
VE3DZ	K8FH	OE1ZL	211	IK4DRR
W1TC	K8SIX	RZ0AF	JA4DEN	DM5EE
	N6VR	W0GJ	K3WA	IK0IOL
225	SP7GAQ	W6XA	N4PQX	JA3PIS
A45XR	W0VTT	YV1DIG	NX0I	K2VV
EA6ET	W1ZK		RA1QD	K5AQ
IW1ARB	W6JRY	215	RU3SD	K5RT
JH7PFD	WS6X	JA2NDQ	UR5FEO	KC6AWX*
K1MM		JA9PPC	WA5VGI	KG9N
K5AB	220	JH1IFS		N8DJX
K9FD/KH6	AG8B	LA7JO	210	N9AU
N4CH	HB9LCW	N7JW	I8SAT	SM6BZV
OE5NNN	HL5IVL	W0UO	JA2IVK	US0KW
		W2LK		VE3BW

205 JA3AAW K1DT W8UN WB8ZRL	J12KXK K3HP LA7GIA UY1HY W5TCX	UT5EL	192 AD8P* DK1FW JA7JWF K3FN K4FJ K5XX K9EU N4DB N5LZ W3UA W4UM W8LGJ	188 9A2NA JA1KQX KB0EO KB1EFS SM7GIB UA0CA W6SR W8JV WA6YEE
204 DJ5AV I4KDJ IK7NXM KK4SI LX2A N4NX N7FU PY2XB US6EX W2HUV WD8PKF WF4U WI8A	200 JA1GTF JA5AQC JA9FPI JH2RMU K1GE K5MC LA7HJA N4QS N5ZM RW4NN RW7M UY0ZG W0DD W0MHK W3GG	196 4Z4DX AA4HP AG4W DK2LO F6EXV IK4PLW JA4PXC K8PO KA9FOX KP2A ND0N RA9CMO RZ4FO SM2OAN W0FS W2FCR	191 G0OIL JA0EOK K8FC K9LA KB8VAO RK2FWA RX3APM WA2VYA WN6W	187 AJ1H DF2GH K0SR KN5O N2NS OK1CZ RM0F SM0NJO W7AWA
203 HB9CXZ IZ8VYU JA2XYO JF4VZT K4XO K8AC K9MMS KK2I PA0A R6AF W8GC	199 JA2DPC JE1PNX JO7WXN K1GG K3LR K6G XO N4DW OZ1AXG RA3S W1TO	195 G3ZEM JA1EOD JN7FAH K7SO K9RT KF8UN N1SV W5ZG W9OP	190 EA3JL IZ8XQC JA1ANR JA1DUH JA1MCU K2TE K8NVR K9KU KF7PG KM1D LA7AFA N5GH SP2LNW VE7VV XE2X	186 9A8A AB4IQ IK2QPR IZ8FWN K0BJ K7LAY N8LJ NE1B
202 DL1MGB DL2KQ DL9DRA EA1RT JA3CSZ JH3VNC K2NV K4JJW LY1G N7KA OK1DOT R9TO UA9FAR W7DO WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR JA2JNA UA0SR W2IRT W8HB	194 K4KDX K9JF KB9LIE KC9ARR W1NT W2LO W9OO WD8JJA		185 AB6QM EA6BF G3KWK IK3SWB JA8DNV K0JGH K5ZD K9US N4TJ N5UR OE2BZL SV1DPI UA9CBO W0EWM* WA3C
201 AA5AM DL1EJA F4BKV JA9NFO	197 G3SNN HB9DDO I5KKW JH2UVL K3KO* LA5YJ OE4PWW OE5FIN ON4CD RZ6FA UA0SC	193 DL5ZB DL6ZXG EA3WD HA5BSW K4ODL K9YY KV7K N9EN NK1K PA0LOU RN1ON W0RI* W4FC W9MU	189 9A2F CT1IUA EA5RM EA8PP FM5CD IK0FVC JA1XEC JA3RAR JH1QAX SP7HOV UA7T W5DM* WE9R	184 CU2DX JF1NZW JF1PUW JH1RFR K4HGX K5KLA K6SRZ

KB4ET	W1RM	W2OR	DL6KR	SP5GH
KL0S	W2YJ	W7MEM	G0EHO	TF3SG
S57AC	W7BEM	WX0V	JA1PPW	W4SVO
US8UA	YL2TW		JA6HUG	W6VX
		174	JG3IWL	W8OI
183	178	4Z5CX	JR1TNE	WA5YNB
AA1ON	EA3CJ	JA0GJJ	K2FL*	
CT1FMX	JA0VSH	JA2XW	K9YC	167
CT3MD	JA2BDR	JA7MOL	LA5LJA	DK5AD
IT9INO	JA4MRL	JF7DZA	N4OGW	K4XD
K8VC	JE2URF	JK1OPL	N7RO	K6KO
KE9ET	K2UR	JR6PGB	N9RC	K8NK
LA3WAA	K8RRT	K0TT	SV1LK	N0IJ
NN2L	NE0U	K2KA	WB7B	N3BNA
ON6SAS	SM7DLK	K2PLF*	ZS1LS	PA3C
W2FP	SV1JG	K3AJ		RA1AOB
W8NW	W6NWS	K4TR	170	RN9N
		K4WS	DJ6TK	S51EC
182	177	N7IR	JA6JPS	SP3FAR
DJ9ON	9H1SP	OE1WHC	JM1GYQ	UN9L
DK3UA	AE5E	OK1DWC	JR7BDQ	VE6WQ
JA1SHE	CT1EAV	RN7F	K6ZZ	W1YW
OH2IS	EA8JF	UA3LNM	N0RN	W3IP
UR3EO	HA5WA	W8UV	N4PY	WA0MHJ
UT5UT*	JA2LCP	W8VVG	SP3GTS	WA4LOX
W1YM	JE1BMJ	WT8C	SV3KH	
	K3WC		W8KEN	166
181	K7GM	173	W9AJ	4Z1UF
DK3WW	K9NU	5B4ALJ	W9EVI	DJ4SO
VE3OSZ	N4XU	I1JQJ	WA3AFS	IV3TDM
YO2DFA	SM6DHU	JA3ENN		JA1FNA
	W5LT	JA9TWN	169	JA9LJS
180	W7FI	JL1SAM	HA9PP	K3KY
DM2DXA		K1NTR	IK0PEA	K4JLD
DM3VL	176	K5GKC	JR1IZM	K4PB
K2EP	EU1AB	KA1J	K1LI	K4ZYU
K3PA	I6FLD	N3OC	K1NU	RM3DA
K6SSS	JA0DET	N5FG	N4XX	W1RR
K7BG	JA2ZL	PY5EW	N7US	W8ILC
LA9AJA	JA5IU	SP1MGM	RA3DNC	WA8TXT
N1RR	JA6BJV	W8HC	UT8MM	
N4AH	JA8KSF		UY5AA	165
ON5FP	K8MN	172	WB3JFS	CT1FPQ
UT2UB	N5OK	G0BLB		DL7UCX
W3YQ	RL3FA	G3NKC	168	JA6VQA
W8TN	W4BP	HK3W	4Z5MU	JE7RJS
	W4GD	IZ5MOQ	G3MXJ	JN4MMO
179	YO7NE	JA3FGJ	IK2EGL	K5JZ
IT9ELD		K0DEQ	IK4ADE	K9MBQ
IW0SAF	175	K1BD	JA1ADT	KI5BLU
K0BBC	JA1CHN	K4XR	JE7JDL	KK4CB
K4CN	JS3CTQ	K6FG	K5QY	OH2BLD
K8WK	K4DLI	KJ0M	K8RYU	PE1L
OK1MG	LA0FA	W4FQT	KR4F	SM4CTT
S57UN	N7XR		N4QQ	W0DJC
SM4DDE	SM5FUG	171	N8BJQ	W5BN
SV3FUP	VE3FF	AA9D	PA7F	WC5N

164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP K1NJ N5WA N9FN NY0V RA3ZH W4NS W7YAAQ	VK3HJ W8WEJ YU2TW ZS5LB*	W4QN	HB9TKS JA8NFV K0KVR W1NA W2XI W5DNT YS1RR	OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7RH WA1Z
163 DJ9HX JA9NLE JH2SON K8TL UR4CWQ VE3CFK W6RW W7AL WP4U	160 9A2JK AD5Q DL1DA EC3A HB9DHK HB9FMN IW2FND JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L SP6EQZ SV2AEL UA0FZ UX5UO W1BR W5XC WX0B	157 AA4H EI6FR G3TQZ IZ4DPV JA1GHH JA9APS JH7IAJ K9GA LY5A N5MOA NE9Z RN3OG RU4UR SM3PHM SV8ZS W2TA W5GZ W7TVF* YV2IF	153 AJ9C DL3ZA EA5BY G3TJW HL2CFY JE3GRQ JF1IRW K4RG K8VFN N3RC N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU WE1P WJ4T* WS7L	150 DL4SZB IT9DSZ IV3RAV JA2NQG JH1NYM K0RS K7LV K8AJS KU4XO N3QE N9CO N9MB OE8SPW OZ3SK UA6YW W6DAO W7CT WA2BCK
162 4O3A 9A4W CT1GFK F3AT I2ZGC JA6GIJ JF1WPB JF2UPM K1KI N8MR W0HT W0TT W1LW W3JX W4DKS WW3S	159 JA4FKX JE2LPC JG0CQK JH6QFJ JH7CFX K4RO W6BJH W7SX W9RN WA9PIE WD5BJT	156 DL4MM F6HDH IK0AGU IK0FUX IZ8IEV JH1TWT JH2QMT JO7HAM K8YSE KS1J N3UA UA3SAQ VA3LX W1YIF W4TV	152 EW2A JE3ENP JR9OPJ JT1CO K7SP KS3F N9OY S55ZZ UA6IGI UT5AB VE6LB W1SKU W1VT W2RS* W6RLL W7AJ WB3CQM	149 DL7CX IK4FNF JL1ARF K3RA K3TN K4YYL K8ME NX8Y SM6CUK SV1CNS UW7UA W0GG W7HPW WB8B WD5K WS5W YO3DDZ
161 DK2GZ DL6RAI JA1DOF JH4CPC K1USA K5GO K7NN K8ND LB2TB LB6KC N4GN OH6RA RW3RN	158 DJ4PT DL1FKA JE2LUN JI1FXS JI1NJC JR1GJP K1KA K5TT OZ1HX RU6M SM4EMO W0SZ W1OX W2XL W3GQ	155 AB9V DL1RK K2LS K4WA N4HB NE0DX NW7E RC9F SM6VR ZS6EZ	151 DK2OY F3SG JA6BEE K2FW N1EN N5JB	148 AC6DD DK2CC EA7TV F5CQ F5LVL HB9BUN IZ3ENH JA2VQF
165 W7YAAQ				

KR2Q	DL6MRS	K3PP	DL5CW	RA3CO
N2WB	E70T	K4WZ	DL5EBE	RG7G
NE3F	EI6IZ	KQ4AV	DL8OH	UU1JA
W5FIX*	GM3ITN	LA9VFA	JA1TMG	W1ITU
W5FKX	HB9BYQ	MM0SAJ	JA9RRH	W2CG
W9JJB	HI3T	N5XZ	K1CA	W5ODD
	I5MXX	N7QT	K3ANS	WB5JID
147	IZ4GWE	NA4D	K6AM	
AA7G	JA3GN	NQ7R	K8RF	136
EA3GP	JR3OEH	NY2NY	KD0PO	DS1JFY
HB0CC	K0VSH	OK1DO	KU0A	E72U
IV3VBM	K5TR	W2OO	LA8WG	ER0FEO
JA1XQC	N1IX	W5VQ	OK1MP	IK8CNT
JH4ALY	N3KK	W7ZI	OK2QA	JA4OK
K2AX	N7BT	WA5POK	SM5CBM	K0TV
K8UT	SM4OLL	WB8CQV	SV8ZC	KR6C
KM1H	SM5CLE	WP4G	W0SD	N2ZN
N1IBM	W2/CT1GIF		W5ADD	OK1DW
UN7LZ	W4GE	141	W8HW	SM5OJH
W2KKZ	WC5M	DL5MHQ	W9XQ*	SP2BMX
WW2DX	WD5T	EW1BA	WA8WV	UT3UZ
	YO3CD	I0JBL		UW8SM
		JA1PTJ	138	W2OIB
146	143	JA2ATE	DK8MCT	WB7QXU
F5PAC	DL1DUO	K2RW	DK8YY	
G4FTC	DL6EN	K5VWW	EI9FBB	135
JA1HQG	HB9HFN	NJ3K	EU4A	5B4MF
JA4DHN	HS0ZEE	SV3FUO	F6DDR	DJ9ZB
JH1GNU	JA1SVP	W1AX*	IK8EPC	F6FXU
JH1QDB	K0QC	W3BW	JF3LOP	HB9IQB
K5KV	K7CMZ	W4VIC	JK1AJX	IV3DXW
K5SM	K7CW	ZS1C	K1RO	JA7LMZ
K6NR	K8ROX		K2RET	JA8BNP
K7WP	K9MK	140	KK1W	JA8JL
RU0SN	KJ9C	9A1CAL	N8OC	K1ZE
W1IZL	LA6OP	DF2RG	OE6VIE	K7FL
W1ZT	LZ2ZG	K5WK	OZ8X	N6PSE
	N2RJ	K6KLY	PC3T	NZ9R
145	N2WM	N4XP	RW4CY	R7LP
AF4HX	N5UW	N7WS	W1GD	RN3RQ
EI9JF	N6PAT	OH6NIO	W2YE	SM3LGO
JJ3HGJ	R8TX	OK2ZV	W4YV	SM5CZK
JN1BMX	VE3CV*	ON7DR	W7OM	SP3XR
K1OA	W0IZ	UN1L		W1DIG
K3VAT	W6QUV	VE6SV	137	W2GD
K4OY	W8RLS	W0SEI	CU3EQ	W4BUW
K7HP	WB8ZRV	W4NU	GM3YOR	W4MBD
K8BL	WD9DZV	W5LUA	IZ2FOS	W4RFZ
KF6HI		W7IV	JA3APU	W6JTI
N1CGP	142	W8LWU	JA3OOK	W8GNM
N4GG	HB9SLO	YL2MU	JA5XAE	WB0TEV
RT0F	I5HOR	YO9FNP	JE6TSP	WO2T
SM3DTR	IT9BLB		JR1XIS	
W1OP	IT9GSF	139	K2QMF	134
	JE1FQV	CU2AP	K8NS	CT3HF
144	JE2DZC	DF7EE	N2PK	IK4DCS
AA6AA	JR7WFC	DJ4XA	ON6AA	K1TO
DL5KUA				

K3OX	W7CD	W9ZT	K3TRM	GW3TMP
K7XB	W9FR		K7TM	HK4SAN
KA8SYV	WB3D	129	KM4H	IK5DNF
KX4TT	XE2S	EA1YO	KM4NS	IU0HDC
N9RS		JA1NWD	N1AC	JA4IYL
OE1TKW	131	JA8JO	N1GC	JA6VU
PY5HOT	DK7YY	JH0BQX	OE8HIK	JE1TSD
RG6G	G3UHU	K3NK	OH1JP	JE6UWU
UA0ACG	HS1NGR	K4TT	SK7AX	JH3CUL
W4JKC	IV3KFB	K6XM	SM0BYD	JH4ADK
YU1AM	IZ0RVI	K9ZM	SP7ASZ	JL1RUC
	JA2TBS	KM3V	V51B	K1HAP
133	JA7LGE	N0YY	W0CP	K5KG
9K2NO	J11DCW	N3KS	W0RT	K8DV
EU1U	JJ1TEA	N3RR	W0YVA	KA6BIM
IZ8DFO	JM1FHL	PY5EG	W3BG	KI4WCQ
JA7GLB	JR6FC	SM3BCS*	W3MF	LZ1XL
JA9AGN	K5VIP	W7QHE	ZS1A	N2KA
JH1HHC	KH2L	WE4S		N3EN
K1ZN	N4QWZ		126	N4JT
K2CDJ	N5PHT	128	DJ8WD	NA5C
K8GI	N6RK	AA4SC	F8BPN	ND5S
KJ6P	NA5DX	DM2RM	G4IUF	NW6S
KS4YT	NN4R	IT9ZZO	HB9FMT	OE1AZS
KU2A	ON4ON	JA2AHH	IK8GYS	RA0BA
N9MR	R0SR	JA2KSP	IZ7EVZ	UN7JID
OE1KM	R9MJ	JA9AA	JA7KY	UU7JM
RA5BM	R9SA	JE1LFX	JH4HMG	VE3UTT
RV4LC	W7JY*	J14POR	JJ1DWT	W5DAW
UQ2PZ	W8DCH	K0FF	JL1UXH	W9CG
VE3WT		K3XA	K2ZD	YO2RR
W0NFL	130	K4JAF	K4JKB	
W2QO	DF9ZW	K4SE	K4XU	124
	E73M	K6LPO	KC2LSD	AA7XT
132	E12JD	KG7CW	KF8DX	IK3VBB
AA4NC	G7VJR	LB5WB	LB7ZG	JF2WXS
AB9M	HK0HEU	N5KM	N8NA	JH4JNG
AD6W	JA2FBC	R9SG	OK3CQD	J11DHY
IT9RDG	K2MYR	S53X	OZ1IKY	JR2LJO
JA2KVD	K7LFY	S55DX	PA5TT	K1UU
JA3DY*	K8BCK	SM3GQP	S51NM	K4ZO
JA6CBG	K9GL	SV3DCX	SP6A	KD4POJ
K6EME	N3MK	VQ9LA	SQ5EBM	NA2U
K6YUI	NA4EA	W2WC	VE3CX	PA0TCA
N6HY	NO9E	W4IS	VE7BV	PA3EWP
ON4CAS	OZ2ABI	W6RKC	W8MK	UA0BA
OZ2RH	R3VA	W8MET	W8REW	VE1DUN
SM4BZH	R5QA	ZS6UT	W9ILY	W2JU
SM6BGG	R9AB		WB0O	W2RIJ
SV5DKL	RU1AO	127	WB2REM	W3FM
VE3CRG	SP6M	HB9AZZ	WD4LBR	W6CYX
W1EQ	TA1CM	HK1MW	XE1KK	
W4AXL	UN7JX	JA1DDH	YU1EXY	123
W4RBO	VE3DO	JA1WLO		AB1OC
W4WM	W2MPK	JA8RJE	125	AC4TO
W5SL	W5AJ	JS2LHI	9A1AD	DL7JRD
W7AH	W6DR	K0RW	EA1AF	G4WFK

G5LP	JA1SJV	119	SV9COL	EA5BRE
HB0WR	JH7RXU	AA3AZ	TA2RC	EI2GLB
IK2CHZ	KD8RQE	AJ4A	VK4CAG	HA7PF
IK3XJP	KG9Z	DK3GG	W1KSZ	IK0EIE
JA0CRG	N1JP	EW4M	W3RJW	IK2OHG
JA1XCZ	N6HC	G4DJJ	W4DAO	IT9AAI
JA3MHA	OH1ZK	HB9AAQ	W4NF	IT9TQH
JA6WJL	SV1AHX	HB9BCI	W4NJ	IV3HYD
JR1EBE	UQ1GWW	HB9CQK	WT4Q	JA1WTI
K2PK	UT4EO	I2TZK	YO4AUL	JG1DUZ
K3XO	UU2JQ	I4MKN	117	K1DC
K4ZIN	VA3AYA	IU0LFQ	9Y4VU	K1RI
K5GH	W2GG	JA3AZD	AE0P	K9SG
K7UT	W2TB	JA4XGC	BH4IGO	KT1V
K9CS	W6XI	JH6CDI	DL1DWT	PA0JSE
KV4T	W9YE	K5UZ	DL2VWR	RV3ID
N2ED	WA1PMA	K7EG	G3LAS*	SP6JIU
N4DWK	WY1G	K8KWT	IT9DAA	TZ4AM
N6MZ	XE1VIC	N0KV	JA1HQT	UA4PCM
N9JV	120	N4LR	JA4FM	VA7CRZ
N9LQ	9A5F	N8PW	JA7GYP	W1ENE
NA2P	AL7TC	N9UA	JA7IC	W1WEF
S50B	FG5FR	NT2A	JE2JMV	W7GG
UA3DK	HB9BLQ	NY7T	JM3GXU	W7OEV
UT3QU	HB9DHG	OH5NG	JR2UBS	W8LRO
W1AO	IZ0LKV	OK1DT	K1BZ	WQ5L
W8NJR	IZ5NFD	R6FFB	K2BB	115
WB8K	JH4GJR	SV1ACK	K6PJ	AC9EM
XE1H	JR6LLN	SV1IW	K7PI	C6AGU
122	K1ESE	W0QQ	K8OOK	CU2CE
G3NDC	K2BA	W0RX	K8QM	DL9GOA
JA1MRM	K2HK	W4HZ	KV4AA	G4XEE
K1YT	K3QIA	W5QP*	N2BJ	G8BCG
K2MP	K6FW	XE1RCS	N3ND	G8DX
K7ZA	K6SIK	118	N3NR	HA5UK
KR0P	KA8ZPE	5T5PA	N4IR	HB9RYZ
LA7WCA	N0OK	AB2E	N4TL	IZ7JVR
LA8PT	N4BAF	AE3T	N6MB	JH1RFM
NA9RB	N4TB	AG1A	N8AA	K0GD
NN7X	N4UFP	DL5OCE	N8XI	K0SD
OE3SGU	N9AW	DL9FCY	NY4G	K4CMS
OZ3Y	OE3EVA	JA4FHE	SM7BIC	K4GHS
RD4A	OZ2A	J18DGO	SP8HKT	K4GK
UU4JMG	PZ5RA	JN1RQV	UA6J	K5XM
VE6AX	SP7ITB	JR3UIC	UB3A	K8YTO
W8LMG	UR5IKN	K3WGR	UR9IDX	KO8SCA
121	US0YA	K4CNW	US1CT	KV1J
AA6RR	W2YR	K5JC	W4ZRZ	LY4T
CT3KN	W3OA	K8LN	W6SL	N0IRM
DF1DB	W4PRO	K8WVA	W8ZR	N4OA
DK1EI	W6RFL	K9DR	WA2USA	N8KOL
DK6CQ	W7RN	KD6UO	WV4TN	PA3AXU
F4GTB	WA3I	LZ2HM	116	RZ6MJ
HA1RB	ZL4AS	N2MM	AJ4F	UA1ANA
IK2SGB		PY2PA	DL7URH	UA1CGS
		RN3TT		UA6XT

UN6T	K8SL	K4UAS	UR6QA	US7MM
VE3YF	K9GWH	K8CC	UT1UY	W0UY
W5JMW	KA4RRU	KB2FCV	VE6KC	W3XY
W9XX	KD2T	KI4DLS	VE7CT	W4DC
WA7BNG	KH6DX	KM1C	VE7UF	W4NE
WP3R	KI0G	KM3T	W2SKI	W5ZPA
YL2CZ	KT1J	LA8HGA	W3FOX	WB2UFF
	N1QY	N4ZY*	W4HOG	WB4TDH
114	N4DJ	N6MA	W4OX	WL7E
AA4DD	N4IQ	N6PE	W5AQ	YU7AU
BA4DW	N7KO	RU4SU	W7VS	ZL3NW
BA7IO	NA3F	SM3DMP	W8KA	
CT1FCX	NI5F	UA1ACG	W8MIL	109
CT3FN	NK5B	UA1CEI	W9RB	EA3GHZ
CU3AK	R7NA	UT6UD	WA2BOT	EU4T
DL6NB	RA4UN	VE7XF	WA2MUA	F8EZE
F6CWA	RZ3AUL	W1HEO	WA8MCD	G3SVD
G3SDL	SM5ARL	W2CVW	WB9EEE	J68HZ
HK3PJ	SP3EPG	W3MR	WX3P	JA2CXF
HP3TA	SV1FKZ	W3UL	YL3DQ	JA4BXL
I5OYY	SV1JFV	W4VHF	YO6HOY	K2ONP
JA0AOO	SV2AVP	W5VX		K4RDU
JA2KNW	UN7TW	W6TC	110	K5KA
JA4KDT	VE3KI	W8GEX	CU3AN	K6MW
JH1AGU	W2GW	W8HMK	DL1VDL	KC2STA
JH6WMJ	W6BK	W9SE	EA5BYP	KE1F
K1RV	W8FAX	WA8OLN	F5BAR	KL7RA*
K2DC	W8FIB	WT9U	G3LNS	N8NN
K3MD	W9VNE	ZP6CW	G8AJM	N9ISN
K3OSX	WA4DOU		HC1BI	ND4V
K5RJ	WB2HJV	111	HL3GOB	NN4RR
KB8U	WS4C	AA4U	I2BBJ	NU4I
KZ4V	XE1RBV	AF4OX	IK5RUN	NX7U
N2JJ	ZL1BYZ	DK2WH	JA9KRO	PY5CC
N3MN		DK6ED	JH1VHU	RW4UU
NU8Z	112	EV1R	K1EO	RW9QA
UA3FT	A92IO	G3PLP	K3JRR	RX3AGD
W0VX	DJ1RL	G4DBN	K3PH	TG9NX
W4TUN	DK5RL	IU8FRE	K4WW	UB5ZAL
WA1FCN	DL5CL	JA1AUD	K5WAF	UT7KF
WA9YYY	EA1JO	JA1FGB	K6VKO	VU2CPL
XE3ARV	EI8IU	JA1NCZ	KB4MRX	W0VHF
	EW1DO	JA5FDJ	LZ1PM	W1OPD
113	G3XGC	JE2EHP	N2CG	W5WP
9A1A	HB9CRV	JE8TGI	N3HBX	WB5TUF
BA4RF	HB9G	K3FRK	N3IQ	WN0L
DJ5DT	IK7YZG	K3NF	N3JB	XE1FAS
DJ9RR	IZ4DIW	K5CD	N4KE	YV3AGT
DL8CM	JA1SXR	K7ORK	N5BO	
DL8DYL	JA2HYD	K9AJ	NC6K	108
EA5KA	JA7BXS	KM1R	NG0G	AI2Q
G4AFJ	JG3LGD	KZ0X	NY4I	AL7R
JA0GCI	JR7TEQ	LA0CX	OZ1LCG	DF1KG
JA4ITW	K0CA	N4WJ	RD9M	DG7RO
JA5WIZ	K0JPL	N7BD	SM5BHW	DL6CNG
JH1ORA	K0TPP	N9HF	SV1VS	ER1LW
JH3GCN	K1KO	NA1DX	UA3O	G3VAO

HB9BAT	JA8JTH	K1PX	JA8RRF	JA2FGL
HB9CEX	JF2WGN	K2CJ	JF1RYU	JF1EGO
HB9FAN	JH9DRL	K4DSE	K1DJ	JF6WTY
IK0PRG	K2MK	K5AM	K2XF	JK1BSM
IZ0BTV	K3SW	K5ZQ	K5AV	JO1WXO
JA2MOG	K3YBN	K8JJC	K7OX	K0MD
JA3NHL	K5FZ	KQ3F	K7PO	K0WK
JE2UFF	K5KPE	N0JZ	K9RO	K1BG
JI4WAO	KE2R	N2CW	KI5T	K1EP
JK1MZT	N2RR	N3XM	KT2E	K2BLA
JR7FRW	N3DAP	N7NR	LZ1JZ	K2HAT
K1XM	N4RF	N8AID	N2WLG	K3FM
K2KQ	N6EE	NA5Z	N4JI	K4KEW
K4WY	N8AGU	NI5M	N4NW	K4MF
K6UT	NA5Q	NS3L	N4SC	K4VIG
K8OM	OE1CP	NU4Y	N4VN	K4YJ
KN4JX	OK2BUZ	OE5CSP	N6NU	K5HK
LU2DKT	OK3CQR	OK1AYU	ON7PQ	K6UM
N1BZ	R0FA	OK2BVG	OZ4AAL	K7TJR
N4MEC	RN4AA	S57AL	PF7M	K9EA
N6RFM	RV6ARZ	UR3CRO	PJ2/K8ND	KA2BZS
N9TF	SP3BQD	UT7UU	PY2DS	KH6KG/W5
PA0ZH	SP6AXW	UU5WW	R6YY	KI0KB
R5FY	US5CB	V73AZ	RA6AF	KK9H
R7LA	VE3OI	VQ9SS	RD4WM	KW0A
RX6DX	W3KB	W1CWU	UA6LCN	KZ1W
S57J	W4UCK	W2EQ	UR1RWX	N2SQW
SM6AOU	W6KK	W2LE	UR2RGN	N3ER
UX7UN	W6TDX	W2NO	VE1PZ	N3TR
UZ6LWZ	W8VK	W3ICM	VY2ZM	N4TTE
W2UB	W9CPV	W4IR	W1LY	N8MZ
W3NRJ	WB8ART	W5JAY	W4OWY	NJ9C
W4ZYT	WC2K	W8IW	W5KI	NN3Q
W5VY	WS1L	W8OP	W6FF	OH2OT
W7ACD	XE2YWH	WA4MYO	WQ5W	RA1QX
W9NIO*	YL1XZ	WA6TLA	YU1NR	RU3UR
WA2ALY		YL2GN		RZ6DX
WA8MOA	106	YU3EF	104	RZ6LB
WC1M	AA4FL		9M2AX	SM5CCE
WD9EQU	AA5JF	105	AD1C	SM7CQY
WW1WW	AE2U	DF2PI	AH0U	SO5AS
107	DJ6OZ	DF8AA	CP8HD	UA9FGJ
4Z5LA	DL1QQ	DJ3XD	CX3CE	US5CAO
DJ8ES	DL2NOM	DJ6KH	DK3BK	UT4EK
DK3FB	DL3JSW	DL4ZAB	DL4FAP	UT7EC
DL2CHN	EA3CCN	DL6JZ	DL7UPN	UX4UM
DL5XU	HA8DZ	DL6XK	E73D	UY0MM
DO4DXA	IW3GJF	DO1CTL	EA8ZS	VE3VHB
EA5AT	JA1VLK	ES1GO	F6AJA	W0YBS
EA7QW	JA2MNB	G3YUV	F8GB	W1QA
FG8OJ	JE6IGP	HA8FW	G3BRD	W3DRY
G4AKY	JG3HBO	HI8RD	HB9CIP	W3TMZ
G4RGK	JG5RVQ	JA1BWA	HB9EFK	W5CWQ
I5IHE	JH2KKW	JA1OVD	HK3O	W5GJ
IT9XTP	JJ0NCC	JA1TAA	IK0DWN	W5ZO
JA5EY	JR0EQQ	JA6VA	IW0HEX	W6PH
	K0DEW	JA7BME	JA1SDV	W7DR

W9HBH	RU3OW	K4LM*	AB4GE	NZ9Z*
WA0I	SM3CBR	K5ZO	AC5O	OA4TT
WA9ETW	SM6EHY	K6DJ	AC9S	OE3WQB
WC6DX	SM7BHH	K6MI	CT1JGA	OH3TY
YC0LOW	SP5JXK	K7BHM	D44BC	OK1PGF
YO5ODE	UA3PFN	K7UA	DH2FW	OK2BOB
103	US2WU	K8BHZ	DK9WI	OK3EY
AG1I	UT2AB	K8OQL*	DL1KS	OK4MM
AI3Q	VA2ZO	KB9DAK	DL3ANK	ON4LG
DJ1MM	VA3IC	KG8CW	DL5JS	OZ5HP
DJ7PI	VE3EDY	KJ6NZ	DM3ML	PA4WM
DL2HX	VE3MFA	KN4KL	EA1WX	RA3AH
DL8YRM	VE3VV	KW4BY	EU1TT	RA4P
DM5TI	W0UVC	KY6R	G3ZFC	RA4SD
DS3HWS	W1CTN	LA3ANA	G4FJK	RB7GG
EA7SG	W4AVY	N5RZ	GM3WTA	RK9F
EU6MM	W4MZ	NZ3M	HB9NL	RY6M
EW3LB	W4TMR*	OH2EA	IV3GOW	SM2DMU
G3BDQ	W5THT	OK1DTN	JA1VVX	SM7NDX
G4AAW	W5VU	OK1JDX	JA2VMU	SP7JLH
G4PUQ	W6SZN	OK3CSQ	JA6TMU	SP9DH*
G4VGO	WA4CEM	ON5UE	JA7SFD	SV1PL
I0OSI	WB8BZK	PA7TWO	JF1RPZ	UA0FDX
IK2ANI	YO7APA	PV8ABC	JH3HGH	UG6GAW
JA2GQO	102	PY2DO	JH3PRR	UR7CQ
JA2OLJ	A6/RV6LNA	R2AB	JI3KDH	UT1CC
JA8EJO	CT4BD	R3IS	K0LW	UT4IS
JH1DGQ	DK3QM	RU3UN	K1YR	UT7HA
JM2RUV	DL3DXX	SM6WET	K2BX	VE2OJ
K2UVV	DL3NCR	SP5MXZ	K3SEW	VE3XB
K4LQ	DL4CW	T77V	K6AAW	VK2GR
K5JUC	DL4KUG	UA1AIR	K6XJ	W0QC
K7BTW	DL5RDI	UA1CKC	K7AR	W1AW
K8CCV	DL5RDI	UA6HOF	K7IA	W1FC
K9MUG	EI4DQ	UA9MR	K8BN	W1GF
K9XJ	ES5RW	UA9UCO	K8ZR	W1MRH
KE1IU	F6BWO	UW7CN	K9JU	W2SF
KJ4R	FM5WD	VE2FYR	K9PG	W3HKK
KJ7WY	HB9AHL	VR2MY	KC4PX	W3WH
KM8AM	I8LWL	W1PV	KD3UY	W4BUE
KM9E	IT9SFT	W2LW	KE1VT	W4PM
KX2A	IZ4MJP	W2TX	KE4S	W4WT
LX1DA	JA0HXV	W3EKT	KF7NN	W7AV
N0RU	JA4EVN	W4ALF	KN6J	W7CB
N1HOQ	JA6OXT	W4JVN	KQ1F	W7QC*
N9BBQ	JA7EPO	W5TO	LA2GV	W8GB
N9SF	JA8OW	W7IUV	LZ1XZ	W9DX
OH3GD	JH3AIU	WA0IDK	LZ2XF	W9MAF
OK1DQT	K0EOO	WD8DSB	N0STL	W9ZCL
OK2BQU	K0YN	WS4Y	N2AJ	WA3EKL
OK3BRK	K1EDG	YO2IS	N5AQ	WB3HLH
OZ7JZ	K1PTF	ZL3RJ	N6WM	WC4H
R9GM	K2LP	101	N8AG	WK9U
RA0FA	K2TK	AA2VG	N9DR	WR2G
RA4HT	K3KG	AA3LX	N9JCS	YO6BHN
RK3QY	K4AQQ	AA4NU	NE1F	YV4DYJ
	K4KAY		NX2X	

100	K9NZ	RN1A
9M6YBG	KB0EL	RT5A
A41ZZ	KC0V	RU3GF
AA4AK	KC4D	S53MJ
AB4VV	KC5LT	S59DJK
AC4VM	KD8BZY	S59SV
AG4Q	KP4AA	SM5AHK*
AI2S	KP4N	SV1VJ
DJ6OI	KQ5M	SV2DSJ
DL1HRN	KS4XQ	UA3AKI
DL1TPY	LA8W	UA4PAY
DL9GTB	LU5OM	UA6CEY
DU7ET	LU5YF	UN6P
EA2AAZ	LZ3YY	UR4CW
EA3ALD	MM0SJH	UR4LRG
EA8AXT	N0AH	UR8IDX
EC5A	N1KI	US8UW
EI9E	N1MD	VE1RGB
ES5NC	N2DPF	VE3OAT
F6ECI	N2SG	VE7JKZ
FM5GU	N2XQM	VP2VA
G0VXE	N3AF	VR2PX
G3OIL	N4CRI	W0GYH
G4CGG	N4ZR	W0MU
GM3ZSP	N6PF	W1AN
I2VGW	N7DED	W1YRC
IK0HFO	N7TK	W2CCC
IK4MSV	N7TY	W3BBO
IK8UHA	N8IL	W4HHN
IS0/YO3RA	N8NB	W4OV
IW0BYL	N9ADG	W5BK
IZ0CKJ	N9PGG	W7DT
JA1BRK	NA6O	W8CNL
JA1CPU	NA9Q	W8FN
JA4FSH	NB3R	W8GDQ
JA5DQH	NG7A	W9FI
JA9CGW	NJ3I	WB4SON
JO4CFV	NN4SS	WK4Y*
JR1BAS	NU1T	WU2M
K0FLY	OE5JDL	YB1TJ
K0XM	OH4UI	YL2SM
K1NA	OK1DXD	YO2OXD
K1NZ	OK2PAZ	YO9FLD
K2CBI	ON4ANN	ZP9MCE
K2CYE	ON7EH	ZS2DL
K3TZV	ON7GB	
K4FT	ON9CC	
K4KSY	OZ1ZD	
K4MS	PA0INA	
K4SAF	PA7RA	
K4UQC	R3PJN	
K7VIC	R9JX	
K8BZ	RA3SD	
K8CR	RA4LW	
K8CS	RA6XB	
K8LBT	RC2A	
K8LE	RL3BZ	