

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 28 Jan 2022, 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 EY8MM	I4AVG W3GH*	302 DL4MCF	SM5CEU
340 K1ZM	325 ON4UN* R4GM	W2VO W3LPL	308 IV3PRK K8GG	K4ZW UT5UGR YU1FW	297 DK5PR JA1BK OM2XW
338 W4ZV	324 K2TQC OH2BO	315 OH3SR S50U	KJ9I SM6CVX W5IZ	301 DJ0MDR DL9KR N1RJ S54E	SP3EPK UX1UA W0CD
337 EA8AK	323 K9UWA SP5EWY W1NG	314 IK4GME IK4WMA K5RK NX4D OK3GU OZ1LO PE5T RW2A UA4CR W1JR	307 4X4DK DJ7MI IK4MGP K4SV RZ3AM	300 F6BKI G3KMA GM0GAV GM3YTS I2ZFD JA4LKB N3XX NN4T PA3FQA VA3EF	296 DJ2BW F5NTV G4PWA N4CC OE6IMD ON5NT W1JZ
336 W4DR	322 UX0UN	313 GM3POI OE3GCU OZ7YY	306 I4EWH K4CIA OH5VT SM0AJU VE3EJ	GM3YTS I2ZFD JA4LKB N3XX NN4T PA3FQA VA3EF	295 OE1WEU UA6A W0FLS
334 N4WW OH2BU VE1ZZ*	321 K5NA W3UR	311 DJ6RX G3PQA N1DG RA7A	305 JA7NI OH1MA RW3PZ*	299 CT1EEB K1UO N1BUG N4RJ SM3GSK W7UT	294 JH2FXK K3UA RJ3AA SV8JE
333 R7LV	320 W8UVZ	310 SM5BFJ SP2FAX	304 N4IS N4JJ* UT3UA WT3Q	298 9A2AJ IK2DFZ JA4DND K4TEA OZ3PZ SM3EVR	293 DF2UU G0JHC KV4FZ* LA5HE
332 UR0MC	319 K4PI N0XA S50A SM4CAN WB9Z		303 F5LGE K9QVB		292 OZ1BTE R7FK*
330 LZ2DF OH1XX UT7QF	318 K8MFO				
329 AA1K HA0DU UA4HBW	317 I4EAT* W9ZR				
328 K3UL K5UR					

RA3DX SV1AOZ W3YX W8TOP	K3SX	278 DK0EE F6BEE HB9BGV JR2KDN K1CP K8KS K9CT	272 CT1APE DL1DUL F6AOJ KF2O	265 CT1EKY NR1R	VE3QAA
291 JA4LXY KD9SV R7NW SV1FJA	284 IK1GPG JH4UYB US4EX WD5COV		271 EU7A G4GED KG4W OZ1CTK W6UB	264 SM5KNV US5WE UX1AA	257 K1GUN NN1N W9YSX
290 DL1AMQ N0TB UA3AKO UA3LAR	283 DJ2YA I5NPH N8DX NA0Y	277 AA4MM DJ9VA IK5BAF JA5EXW JH4IFF K4SO K4WM SM6CNN	270 OE5KE	263 AA4V DL2OE IK6DLK K6ND K9OW W2SM W3AP	256 9A5CY G0DQS I1FQH K1QX K5VRX K7ZV PA7MM
289 DF3GY G4BWP JA3ONB LZ2JE RX4HZ SP3E	282 DL1YD G3XTT I0WDX IZ0AEG N2LT N3SL N4KG* OG2M SM5AQD SM6CTQ UY5ZZ W5ZN	276 DK5WL G3LZQ HB9BIN IK4DRY N8RR N9IW OK1AWZ	269 F5NBU HB9AMO IK4CIE RV3LO SP9DWT W1ZC	262 K4UEE KR9U UX4UA* W1YY YO5BRZ	255 K4QL KX4R N2MF W5OZI
288 PA3GCV RA3CQ RY9C SL0ZG SM3NRY SM6CMU UA4LY W0JX	281 DF2PY JA2PJC R3OK S59Z SP3IBS SV8CS UT7UW W0BV W4TO	275 9A1CCY JA3FYC K5DU SP3DV SP5CJQ UW2ZM W2OKM	268 9A2EU DL5DSM DL7VEE EA6SX G3WPH NJ6P RA3XDX RK4FD SM5DJZ* VE2TZT W1MK	261 AA1V AA6YQ DL9YX K2EK K5KC N6SS RW0LT	254 EI7BA N0AT SP9JZU W3DF
287 DL1RWN N2QT S58T SP7VC UT7UJ VA3DX W4PK	280 SM4DHF SP6HEQ UA3AB W2YC	274 G3TXF K2UO K4IQJ OH3BU	267 ON7TK RZ3DX SM6CCO SP6CIK	260 AA7A K0KX K4DY KD5M	253 IK5HHA K5ESW N3NT RU3FM S58Q SP9FKQ* SV8BHN UA1OMS W0YG
286 JA2JPA PA0WRS RU3DX W8AV WK3N	279 EA6NB G4CCZ N2TK NO3M UA6MF	273 JR7VHZ K1ZZ K2CL K5BG RA3DA SP6AEG UA3DPM	266 I2AOX IK8HJC JA5AUC MD0CCE R3LA UR5WA W8TE W8XD YO3APJ	259 DF4PL F6GCP G4OBK IZ1ANU R9FM W1GL	252 EA1DR IK2YCW JA5BZL K8FL K8PT LU8DPM W3UM
285 9A7V				258 EA5BM K4XP K5XI RN3CT	251 DJ7RD DL9RT JH0BBE VK4MA

W5UN	244	238	JA0CRI	OH2BEN	RT6T
W7LR	5B4AGN	DL8WN	K1DG		SV8GFW
WA4FFW	DK6WL	K0KT	K2AZ	227	
250	F2JD	K1HTV	K4XL	ES1RA	222
HB9RG	JA2VPO	N5KD	NI6T	IK0HBN	AB0X
JA8ISU	243	UA3TT	UA3AP	IK0XBX	JA6BZI
N8TR	DK2JX	UX0FF	W3KX	K1FK	JR6EZE
OZ8BZ	DK3DG	237	YO9HP	K3NW	K3SV
W1TSP	I1EIS	DL7MAE	231	K9ZO	K6EID
249	ON4ATW	K1VW*	4X4NJ	KF0QR	N5AW
AI9L	R5DT	OM4EX	G8VR	N2WK	N6JV
NQ1K	242	W4YO*	HA9RE	NI0G	N8PR
SP5DIR	AG9S	236	IK0YUT	OZ4O	SM0CCM
SP5DRH	KG7H	K1FZ	IV3ODE	WB6RSE	VE6WZ
248	N2NL	K1JO	KA7T	226	W3LL
JH1GZE	PY2RO	OK2ZI	KA9CFD	DL7HU	W7KW
K5RX	W9RPM	SP8AJK	N7NG	JA1UQP	221
K9NW	241	UR5MID	ON4ACG	JF2KOZ	EA1N
KY7M	JA1HGY	235	S57A	K5EK	IZ8FFA
SM3VAC	JA3EMU	F6BLP	SV1RK	ON4AOI	K4HB
SP1S	K5ZK	IK0XEZ	W5XZ	UT5JAJ	N6VR
T77C	N4XM	KC7V	230	225	N9BX
W9NGA	N5TY	N6DX	AB4I	A45XR	NV9L
247	N7RT	R7DX	IV3YYK	E72A	W1ZK
K6XT	OK1DWJ	234	JA1CMD	FK8CP	W6JRY
NO2R	RL9F	JA0DAI	JA5MHD	JH1HGC	W9BF
R7IA	SP5GRM	JA7QVI	JF8QNF	K1MM	WS6X
UT9FJ	VE1YX	JF2MBF	K2FF	K5AB	ZS4TX
246	VE3NH	K3SWZ	K2UU	K9FD/KH6	220
DJ2TI	240	K4UTE	N8JV	N4CH	AG8B
G3ZSS	K0JUH	PY1BVY	SM3NXS	OE5NNN	HB9LCW
JQ3DUE	K1ZG	VE7IG*	W4GF	RA3QK	HL5IVL
LA3MHA	K9OT	233	W4VQ	RV1CC	JA1SYY
N6TR	LA2XPA	AA1QD	W9IXX	RW3XZ	JH4ADV
W2TQC	ON4IQ	IZ4BEZ	229	VA5DX	KA1R
245	PA4VHF	JR3GWZ	CT1FJK	224	S51DI
DL4CF	TF4M	K0CS	JA8EAT	JA8FKO	SP8NR
JA1GV	W9XY	K9RX	J11BEX	K9FD	VE3EXY
JG3QZN	WX4G	SK3PY	K9NR	N8BM	219
K0IEA	239	UA4HAU	N4II	S52F	IK3VUU
K3WW	EA4KD	VE3XN	RA0FF	SP5INQ	JA2FJP
N5DG	JR3IIR	VO1HP	RO7T	US0SY	K6TA
N9US	KH6AT	W7AO	228	VK6VZ	K8ZTT
RY7G	LY3UM	WA7NS	AF9H	W2RQ	N1LN
WB3AVN	NO8D	YO7LCB	AI0O	223	OE8RT
	SV1ELF	232	DJ4AX	AC4G	SP4K
		9A4T	JA0FSB	HA7TM	WA2UUK
			K1AR	N6AR	218
			NT0V*	R5AJ	AB3CV

DJ4PI	K3JGJ	JA2NDQ	WD8PKF	N4PQX	W2FCR
DK0PM	NA2M	JF3KON		NN4X	
I3BUI	RU4SO	K2FU	203	RA3WDK	195
IK6FWJ	W0LYI	N5ORT	I4KDJ	RW4NN	4Z4DX
IV3JVJ	W0UO	RU3ZX	JA2WYN	RW7M	G3ZEM
JA8CDT	W1FJ	SM5JE*	JA2XYO	SV2JAO	JA1EOD
K0EU	W2WG	W6PJ	K4XO	US0KW	JA5AQC
K1LT	W3YY		K8AC	VE3BW	K7SO
K4MWB		207	KK2I	W3GG	K9RT
K5UO	212	DJ8NK	N4NX	WA2HZO	KF8UN
K8FH	DF6PB	DK2NG	OM3DX		N5JR
KD0Q	DL9GFB	I4LCK	PA0A	199	W9OP
UT4MF	JA9PPC	IK0MHR	R6AF	JA2DPC	
W5PJR	K1ST	K1LPS	W8GC	JE1PNX	194
	K8SIX	K8EUR	WS9V	J12KXK	IW1ARB
217	KE9I	WB9CIF		K6GXO	K4KDX
JA2FBY	KG6I		202	N4DW	K9JF
K5PC	N1ZZ	206	DL1MGB	N8DJX	KB9LIE
UA3AGW	N4MM	AJ6T	DL2KQ	W0DD	KC9ARR
W0VTT	VO1NA	K2VV	EA1RT	W0MHK	LA7JO
	YV1DIG	K4NA	JA3CSZ		W2IRT
216		K5AQ	JG1ULJ	198	W2LO
N5UL	211	KC6AWX	JH1IFS	DL1ROJ	
OE1ZL	JA4DEN	KG9N	JH3VNC	F6DAY	193
RZ0AF	JA6LCJ	SM6BZV	K2NV	G3UJE	DL5ZB
SP3CGK	K4MQG	W1TC	LY1G	JA2IVK	DL6ZXG
UR5EDX	NX0I	205	N7KA	K4JJW	HA5BSW
UT7UV	RU3SD	HA1RW	OK1DOT	K5RT	HB9DDO
VE3LYC	SM5CZQ	JA3AAW	R9TO	N9LB	K3JT
W6XA	W6YI	K1DT	W2HUV	UA0SR	K3LR
		RA1QD	ZL3IX	W1TO	N1SV
215	210	W1ECT		W7DO	N4QS
N7JW	I8SAT	W8UN	201	W8HB	N9EN
RU3QR	IK4DRR	WB8ZRL	DL1EJA		PA0LOU
W0GJ	JJ2LPV	YU3AA	K3HP	197	RN1ON
	K0MN*		K5EJ	G3SNN	UA9FAR
214	K3WA	204	PY2XB	JH2UVL	W0RI*
HL3IUA	W2LK	AA9A	UY1HY	K3KO*	W9MU
JA2JW	W7JW	DJ5AV	W5TCX	N5ZM	
K1AM*		HB9DDZ	WI8A	OE4PWW	192
OE2LCM	209	JA3PIS		OE5FIN	7M4HXF
OK1DX	DL5CF	JH0INP	200	ON4CD	AA5AM
ON4GG	ON6YH	JH2TPI	DJ5FI	RZ6FA	AD8P*
RN7G	VA2WDQ	JJ3PRT	DL7BA	UA0SC	IZ1LBG
SP7GAQ	VE1DX	KK4SI	DL9DRA	W0LS	K3FN
W4NL	W0AIH*	LX2A	JA1GTF	W9EWZ	K4FJ
	W0ZR	N0AV	JA7MSQ		K5XX
213	W6PBI*	N7FU	JH2RMU	196	K9EU
DF2IS	W7KNT	N9AU	JH7PFD	AA4HP	LA5YJ
DL5WW	WA5VGI	PY2BW	K1GE	K8PO	N4DB
EA6VQ		UN5J	K5MC	KP2A	RN3QN
EI3IO	208	US6EX	K8ZH	RA9CMO	W4FC
JF6DSZ	AD5A		K9MMS	RZ4FO	W8LGJ

191 HB9CXZ K8FC K9LA RK2FWA W3UA WA2VYA	SM2OAN SV8CKM W7AWA WA7NB	182 EA3JL IK2QPR JA1SHE JA8DNV JA9FPI K5KLA K6SRZ ON6SAS UR3EO UT5UT	SM7DLK SV1JG UT2UB W1YM	UA3LNM W1NT WT8C	JA6JPS JM1GYQ K1NTR N0RN NK1K OK1DWC SP3GTS SV3KH US8UA W9EVI
190 IK7NXM JA1DUH JA1MCU JA7JWF K2TE K9KU N5GH SP2LNW VE7VV	186 I5KKW JA2JNA K1GG K4ODL K7LAY	181 AB4IQ K8NVR UR5FEO VE3OSZ WN6W YO2DFA	177 9H1SP AE5E CT1FMX JE1BMJ JF1PUW KB0EO W1RM W5LT	173 5B4ALJ K4WS KA1J LA4GHA N5FG N5OK VE3FF W2OR W3YQ W6NWS W7MEM	169 DK3WW DM3VL EA5RM F6EXV HA9PP JA2BDR JG3IWL K1LI N4XX N7IR N7US UY5AA W9OO WA3AFS
189 9A2F EA8PP FM5CD KM1D MM0EAX SP7HOV UA7T W0FS W5DM	185 AB6QM EA6BF G3KWK K5ZD KB1EFS N4TJ N5UR OE2BZL RM0F SV1DPI UA9CBO W0EWM*	180 DM2DXA IF9ZWA IK0FVC K6SSS N4AH ON5FP	176 DJ9ON EU1AB I6FLD JA0DET JA5IU JA6BJV JA8KSF JE2URF K7BG K8MN RA3S W4BP W4GD W7BEM W7FI WE9R	172 G3NKC IT9ELD JA0GJJ JA3FGJ K0DEQ K0JGH K3AJ K5GKC KA9FOX KJ0M W4FQT	168 G3MXJ JA0VSH JE7JDL K1NU K2KA K5QY K6FG K8RYU KB8VAO KR4F N1RR N7RO N8BJQ SP5GH W4SVO W6VX WA5YNB XE2X
188 9A2NA JA1ANR JA1KQX KF7PG LA5IIA UA0CA W6SR W8JV WA6YEE WF4U	184 9A8A DK2LO IZ8XQC JA9NFO JF1NZW JF4VZT JH1QAX K4HGX K9YY KB4ET N8LJ S57AC	179 DL9MRF K0BJ K3PA K8WK K9US LA9AJA OK1MG SM4DDE SV3FUP VE3DZ W2YJ W4UM W8TN	175 EA6ET JA1CHN JS3CTQ K4DLI LA7GIA/P SM5FUG SM6DHU	171 DL6KR G0EHO IZ5MOQ JA6HUG JR1TNE K2FL K4XR K9NU K9YC LA7AFA N4OGW N9RC SM7GIB W8UV WB7B	167 DK5AD G0OIL HK3W K4CN K4XD
187 AG4W AJ1H G4BUE JO7WXN K0SR KN5O N2NS ND0N OK1CZ SM0NJO	183 DK1FW F4BKV IT9INO K8VC KV7K LA3WAA OZ1AXG W2FP W8NW WA3C	178 AA1ON JA3RAR JA4MRL K2EP K2UR LB8DC N5LZ NE0U NE1B	174 JA2XW JF7DZA JK1OPL JR6PGB K2PLF* K4TR K7GM K8RRT OE1WHC RN7F	170 DJ6TK HA5WA I1JQJ JA0EOK JA2ZL	

K6KO	N7XR	ZS5LB*	JE2LPC	EU1KY	DK2OY
N0IJ	SV1LK		J11NJC	GM3PPE	HB9FMN
RA1AOB	W4NS	160	LB2TB	JA1RTX	HL2CFY
RN9N		CT3MD	LY5A	JA8NFV	JA6BEE
S51EC	163	DF2GH	N9FN	K0KVR	K2FW
W1YW	IK0PEA	DL1DA	NE9Z	K1USA	N5JB
W8HC	IW0SAF	JA2EPW	RU4UR	K2LS	OH2IS
W8OI	JA1PPW	JE2OVG	SM3PHM	K4WA	OK1ATP
WA4LOX	K1NJ	JL1SAM	SV8ZS	NY0V	RD3A
	K8TL	JR7MAZ	W2TA	PA7F	RU3A
166	K9MBQ	K3MSB	W5GZ	W1NA	S54A
4Z1UF	N4QQ	LB6KC	W7TVF*	W2XI	SP7AWG
CT1IUA	PA3C	N3BNA	W7YAQ	W5DNT	SV9AHZ
DJ4SO	RA3ZH	RL3FA	WD8JJA		W7RH
IV3TDM	W0DJC	RU6L		153	WA1Z
IZ8FWN	W7AL	UA0FZ		DL3ZA	WB8BPU
JA1ADT	YL2TW	UX5UO	156	EA5BY	
JA1FNA	ZS1LS	W1BR	EA3WD	G3TJW	150
K3KY		W5XC	F6HDH	JF1IRW	AB9V
K4JLD	162	W8WEJ	IW2FND	JF2XGF	F3SG
K4PB	4Z5CX		JA9NLE	JH6QFJ	IV3RAV
K8NK	9A4W	159	JE2LUN	K8VJV	JA2NQG
LA5LJA	CU2DX	4Z5MU	JH7IAJ	N5TW	JH1RFR
SP1MGM	F3AT	AD5Q	JO7HAM	N8II	JR7BDQ
W1RR	IK4PLW	GU4YOX	K0TT	PE1L	K7LV
W8ILC	JA6GIJ	JA2LCP	K8YSE	SM6CLU	K8AJS
WA0MHJ	JA7MOL	JF2UPM	KS1J	SP5CCC	KU4XO
WA8TXT	K1KI	K4RO	N4GN	UT5UY	N3QE
	N5WA	W6BJH	RW3RN	WJ4T	OE8SPW
165	N8MR	W7SX	TF3SG		OZ3SK
AA9D	UR4CWQ	WD5BJT	UA3SAQ	152	UA6YW
DL7UCX	VE3CFK	WX0B	VA3LX	DJ9HX	W2XL
IZ8VYU	VE6WQ		W1YIF	DM5EE	W6DAO
JA9TWN	W0HT	158	W4QN	EC3A	WS7L
K1BD	W0TT	9A2JK	W4TV	JT1CO	
K4ZYU	W1LW	DJ4PT		K7SP	149
K5JZ		DL1FKA	155	KS3F	DL7CX
K6ZZ	161	HB9DHK	DL1RK	N4TV	IK2EGL
KK4CB	4O3A	JA1XEC	G3TQZ	N9OY	IK4FNF
SM4CTT	DK2GZ	JF1WPB	IK0FUX	S55ZZ	JL1ARF
W5BN	DL6RAI	J11FXS	JA3ENN	UA6IGI	K4YYL
	I2ZGC	JR1GJP	JA6VQA	UT5AB	K8ME
164	JA1DOF	K5TT	JA9APS	VE6LB	N4HB
CT1EAV	JH2SON	RM3DA	K9GA	W2RS	SM6CUK
G0BLB	JH4CPC	RU6M	NR4M	W6RLL	UW7UA
HA7UW	K7NN	SM4EMO	NW7E	W7AJ	W0GG
HB9BZA	K8ND	W1OX	W3GQ	WB3CQM	W1VT
IK3SWB	N4XU		W8KEN	WX0V	WB8B
JA7ZP	OH6RA	157	W9RN	YS1RR	YO3DDZ
JA9LJS	RA3DNC	AA4H	WP4U		
JN7FAH	WC5N	JA0UUA	ZS6EZ	151	148
KL0S	WW3S	JA1GHH		3V8SF	AC6DD
N3OC	YU2TW	JA4FKX	154	AJ9C	F5CQ
			CT1GFK		

K0BBC	144	K5TR	K3ANS	136	JE3ENP
N2WB	DL4SZB	K8UT	K6AM	DK8MCT	JR3OEH
SM6VR	EI6IZ	NA4D	K8RF	E72U	K1TO
UA2FF	GM3ITN	OK1DO	KU0A	EU4A	K8ROX
W4DKS	HB9BYQ	W2OO	LA8WG	IK8CNT	K9MK
W5FIX*	IZ3ENH	W6QUV	OK2QA	JA2VQF	KR2Q
W5FKX	IZ4DPV	W7HPW	SV8ZC	JE2DZC	N9RS
	JA3GN	W7ZI	W9XQ	K0TV	RG6G
147	JH1QDB	W8RLS	WA8WV	KR6C	UA0ACG
DL4MM	KI5BLU	WA5POK		N5XZ	UY0ZG
EI6FR	N1IX		138	OK1DW	W2OIB
JA1XQC	N3KK	141	DK8YY	SM5OJH	W4JKC
K2AX	NE3F	DL5MHQ	EI9FBB	UT3UZ	YU1AM
K4RG	NI0C	EW1BA	EW2A	W2CG	
KM1H	OH2BLD	IK4ADE	F6DDR	WD5K	133
LA0FA	OZ1HX	K2RW	HI3T	WP4G	CU3EQ
N9CO	SM3DTR	N1EN	IK8EPC	WW2DX	CX6VM
SP6EQZ	SM4OLL	N1IBM	JA1PTJ		EI9JF
UN7LZ	SM5CLE	N2WM	JA1SVP	135	EU1U
VK3HJ	W3IP	N7BT	K1KA	5B4MF	HB9TKS
W2KKZ	W6RW	N7QT	K1RO	DJ9ZB	JA7GLB
W7CT	WC5M	NQ7R	K6NR	EA8JF	K1ZN
WB3JFS	WD5T	NY2NY	LA6OP	F5PAC	K2CDJ
	YO3CD	SV3FUO	N1CGP	F6FXU	K2RET
146		W1AX	N7WS	GM3YOR	K3OX
G4GIR	143	W3BW	OK1MP	IT9GSF	K8GI
IV3VBM	DL6EN	W5VQ	RW4CY	IV3DXW	KS4YT
JA1HQG	HS0ZEE	ZS1C	W1GD	JA1TMG	KU2A
JA4DHN	JN1BMX		W1OP	JA7LMZ	KX4TT
JE3GRQ	K0QC	140	W2YE	JA8BNP	OE1KM
JH1GNU	K3VAT	9A1CAL	W4VIC	JA8JL	RV4LC
JH1NYM	K7CMZ	DF2RG	W4YV	JA9RRH	UQ2PZ
JR9OPJ	K7CW	DL5KUA	W7OM	K7FL	VE3WT
K5SM	K7HP	F5LVL	W9JJB	N4PY	W0NFL
K7WP	KJ9C	K3PP		NZ9R	W2QO
N3RC	N5UW	K5WK	137	RC9F	W5ADD
R9OK	PY5EW	K6KLY	DL1DUO	RN3RQ	
RN3OG	R8TX	N9MB	JA2ATE	SM5CZK	132
RU0SN	UN9L	OK2ZV	JA3APU	W1DIG	AA4NC
W1IZL	VE3CV*	ON7DR	JE6TSP	W2GD	IT9BLB
WS5W	W1SKU	W0SEI	K2QMF	W3JX	IT9RDG
	WA2BCK	W7IV	K8NS	W4BUW	JA3DY*
145	WB8ZRV	W8LWU	N2PK	W4MBD	JA6CBG
JJ3HGJ	WD9DZV	YL2MU	N2RJ	W4RFZ	K6YUI
K1OA			N4XP	W5ZG	KD0PO
K3TN	142	139	RA3CO	W6JTI	KE9ET
K4OY	AF4HX	DJ4XA	RG7G	W8HW	N6HY
K5KV	EA7TV	DL5CW	UU1JA	W8VVG	ON4CAS
K8BL	G4FTC	DL5EBE	W1ITU	WE1P	OZ2RH
KF6HI	I5HOR	DL8OH	W5LUA		SM4BZH
N4GG	JH1TWT	HB0CC	W5ODD	134	SM6BGG
RT0F	JH2QMT	I5MXX	WB5JID	DK1WB	UW8SM
W1ZT	K4WZ	IZ8IEV	WB8CQV	IK4DCS	VE3CRG

W1EQ	NO9E	W2WC	YU1EXY	YO2RR	W8NJR
W4AXL	OZ2ABI	W4IS			W9ILY
W4RBO	R3VA	W6DR	125	123	XE1KK
W4WM	R5QA	W6RKC	DS1JFY	AC4TO	
W5SL	R9AB	W8MET	G7VJR	DL7JRD	121
W7CD	RU1AO	ZS6UT	GW3TMP	HB0WR	AA6RR
W9FR	SM5CBM		IZ4GWE	IK3XJP	DF1DB
WA9PIE	UN7JX	127	JA3OOK	JA0CRG	DK1EI
WO2T	VE3DO	HB9HFN	JA4IYL	JA3MHA	DK6CQ
XE2S	W2MPK	JA1DDH	JA6VU	JR1EBE	F4GTB
YV2IF	W7AH	JA1WLO	JA7KY	K2PK	IT9DSZ
	W9ZT	JA2AHH	JE1TSD	K4ZIN	JA6WJL
131		JA8RJE	JE6UWU	K5GH	KD8RQE
AA7G	129	JM1FHL	K1HAP	K9CS	KG9Z
AD6W	CT3HF	JS2LHI	K5KG	KM3V	RA5BM
HB9IQB	JA1NWD	K0RW	K8DV	KM4NS	UQ1GWW
HS1NGR	JA8JO	K3NK	KG7CW	KV4T	UT4EO
IV3KFB	JH0BQX	K3TRM	KJ6P	N2ED	UU2JQ
JA2TBS	K5VIP	K9ZM	LZ1XL	N6MZ	VA3AYA
JJ1TEA	K5VWW	KM4H	N2KA	N9JV	VE6SV
KH2L	K6XM	N1AC	N3EN	N9LQ	W2GG
N4QWZ	N0YY	N1GC	N3MK	NA2P	W6XI
N5PHT	N3KS	OE8HIK	N4JT	UA3DK	WB8K
N8OC	N3RR	S55DX	N9MR	UT3QU	XE1VIC
NA5DX	NJ3K	SK7AX	ND5S	W1AO	
NN4R	OE1TKW	SP7ASZ	NW6S	WB0TEV	120
OE6VIE	SM3BCS*	SV5DKL	OE1AZS	WB2REM	9A5F
ON4ON	W7QHE	V51B	OZ1IKY	XE1H	DF7EE
R0SR		W0CP	PY5EG		FG5FR
R9MJ	128	W0RT	RA0BA	122	HB9BLQ
R9SA	AA4SC	W0YVA	UU7JM	AA6AA	IZ0LKV
SP3XR	EI2JD	W3MF	VE3UTT	CU2AP	IZ5NFD
W0SD	ER0FEO		W3BG	EA3GP	IZ7EVZ
W7JY	G3UHU	126	W9CG	G3NDC	JF2WXS
W8DCH	JA2KSP	AB9M	WB3D	G4WFQ	K2BA
WB7QXU	JA2KVD	DJ8WD		G5LP	K2HK
	JA4OK	F8BPN	124	HK4SAN	K3QIA
130	JA9AA	G4IUF	AA7XT	JA1MRM	KA8ZPE
DF9ZW	JE1LFX	JH1HHC	E70T	JE1FQV	N4BAF
DK7YY	K0FF	JI4POR	EA1YO	K1YT	N4TB
E73M	K3XA	K2ZD	HK1MW	K2MP	N6HC
HB9SLO	K4JAF	K4XU	JJ1DHY	K7ZA	OE3EVA
HK0HEU	K4SE	KC2LSD	KD4POJ	K8BKM	PZ5RA
JA2FBC	K6LPO	KF8DX	KI4WCQ	KR0P	SM0BYD
JA7LGE	N5KM	N8NA	N2ZN	LA8PT	SP7ITB
JF3LOP	N5MOA	OK3CQD	NA4EA	N4DWK	W4PRO
JR7WFC	R9SG	PA5TT	NX8Y	N6PSE	W6RFL
K1ZE	S53X	PY5HOT	SP6A	NN7X	W7RN
K2MYR	SM3GQP	VE3CX	UA0BA	OZ3Y	W8GNM
K7LFY	SM3LGO	VE7BV	VE1DUN	RD4A	WA1PMA
K7XB	SV1CNS	W5AJ	W2RIJ	UT5EL	ZL4AS
K8BCK	SV3DCX	W8REW	W3FM	UU4JMG	
K9GL	VQ9LA	WD4LBR	W6CYX	W5DAW	

119	KD6UO	W4ZRZ	LB5WB	BA4RF	I5OYY
9A1AD	LA9VFA	W6SL	N0IRM	DJ5DT	IK0IOL
AA3AZ	LZ2HM	WB0O	N0KV	DJ9RR	IZ4DIW
DK3GG	N2MM		N4OA	DL8CM	JA1SXR
DK3UA	N3UA	116	N8KOL	DL8DYL	JA1XCZ
EW4M	PA0TCA	DL6MRS	OZ8X	EA5KA	JA7BXS
HB9AAQ	PY2PA	DL7URH	PA3AXU	G4AFJ	JR7TEQ
HB9BCI	RN3TT	EA5BRE	RZ6MJ	JA4ITW	K0CA
I2TZK	TA2RC	HA7PF	UA1ANA	JA5WIZ	K0JPL
I4MKN	W1KSZ	HB9AZZ	UA1CGS	JH4GJR	K1KO
JA3AZD	W2YR	IK0EIE	UA6XT	JL1RUC	K4UAS
JA4XGC	W4NJ	IT9TQH	UN6T	JN1RQV	K7TM
JH6CDI	WE4S	IV3HYD	UN7JID	JR6LLN	K8CC
JJ1DWT	WT4Q	JA1WTI	W2TB	K3MD	K8SL
K4JKB	YO4AUL	JH4JNG	W9AJ	KH6DX	KI4DLS
K5UZ		K1DC	W9XX	KI0G	KM1C
K8KWT	117	K1ESE	WA3I	N1QY	KT1J
KA6BIM	9Y4VU	K4ZO	YL2CZ	N3NR	LA8HGA
LB7ZG	AE0P	K6EME		N4DJ	N4TL
N1JP	BH4IGO	K6SIK	114	N7KO	N4ZY*
N4UFP	DL1DWT	KT1V	AB1OC	NI5F	N6MA
N8PW	G3LAS*	N2BJ	AB2E	OH6NIO	N6RK
N9UA	HA1RB	PA0JSE	BA4DW	PC3T	NA3F
NA2U	IK5DNF	RV3ID	CT3FN	R7NA	PA3EWP
NA9RB	IK8GYS	US1CT	DL6NB	RA4UN	RU4SU
NN2L	IZ8DFO	VA7CRZ	F6CWA	RZ3AUL	SM3DMP
NT2A	JA1HQT	W1ENE	G3SDL	SM5ARL	SP6JIU
NY7T	JA4FM	W1WEF	G8DX	SP3EPG	SV9COL
OH5NG	JA7GYP	W7GG	HP3TA	SV1JFV	UA1ACG
OK1DT	JA7IC	W7OEV	IT9DAA	SV2AVP	UA1CEI
SV1ACK	JM3GXU	W8LRO	JE2JMV	UN7TW	UT6UD
SV1IW	K3WGR	WA2USA	JH6WMJ	UT8MM	W1HEO
SV2AEL	K5JC	WQ5L	K1RI	VE3KI	W2CVW
W4HZ	K6PJ		K1RV	W0VX	W3MR
W5QP*	K7UT	115	K2DC	W2GW	W3UL
WY1G	K8OOK	AJ4F	K3OSX	W6BK	W4VHF
XE1RCS	K8QM	C6AGU	K5RJ	W8FAX	W5VX
	N0OK	CU2CE	KB8U	W9VNE	W6TC
118	N3ND	DL9GOA	KZ4V	WA1FCN	W8GEX
5T5PA	N4IR	G4XEE	LZ2ZG	WA4DOU	W8HMK
AE3T	N6MB	HA5UK	N2JJ	WB2HJV	W9SE
DL5OCE	N8AA	JH1RFM	N3MN	WS4C	WA8OLN
HB9DHG	N8XI	JH4ALY	NU8Z	ZL1BYZ	ZP6CW
I0JBL	NY4G	JI1DCW	SP3FAR	ZS1A	
JA1SJV	R6FFB	K0SD	UA3FT		111
JA4FHE	S51NM	K4CMS	VK4CAG	112	AA4DD
JG0CQK	SM7BIC	K4GHS	W2/CT1GIF	A92IO	AF4OX
JH4ADK	SP2BMX	K4GK	W4TUN	DJ1RL	CT3KN
JI8DGO	UA6J	K5XM	WA9YYY	EW1DO	DK2WH
K4CNW	UB3A	K8YTO	XE3ARV	G3XGC	DK6ED
K4TT	W0IZ	K9SG		HB9CRV	DL5CL
K7EG	W2JU	KO8SCA	113	HB9G	EV1R
K8LN	W4DAO	KQ4AV	9A1A	HK3PJ	G3PLP

G4DBN	JH1VHU	NN4RR	US0YA	W3KB	W2LE
G8BCG	JR6FC	NU4I	UX7UN	W6TDX	W4IR
IK2CHZ	K1EO	R7LP	UZ6LWZ	W9CPV	W5JAY
JA1AUD	K3JRR	RW4UU	VE6AX	WN0L	W5JMW
JA1FGB	K5WAF	RX3AGD	W2UB	WS1L	W8IW
JA1NCZ	K6VKO	SV1FKZ	W4ZYT	YL1XZ	W8OP
JA2HYD	KA4RRU	TG9NX	W7ACD		WA4MYO
JA5XAE	LZ1PM	UB5ZAL	W9NIO*	106	WT9U
JE8TGI	N3HBX	UT7KF	WA2ALY	AA4FL	WW1WW
K0TPP	N3IQ	W0VHF	WA8MOA	AE2U	YL2GN
K6FW	N3JB	W5WP	WC1M	DJ6OZ	YU3EF
K7ORK	N4KE	XE1FAS	WD9EQU	DL2NOM	
K9AJ	N7BD	YV3AGT		DL3JSW	105
K9GWH	NA1DX		107	DL6CNG	DF8AA
KM1R	NC6K	108	4Z5LA	DL9FCY	DJ3XD
KV1J	RD9M	AC9EM	DK3FB	EA1JO	DJ6KH
KZ0X	SM5BHW	AI2Q	DL2CHN	EA3CCN	DL4ZAB
LA0CX	TA1CM	AL7R	DL5XU	EI8IU	DL6XK
N4WJ	US7MM	CU3AN	EA5AT	G4RGK	DO1CTL
N6PE	W0UY	DF1KG	G4AKY	G8AJM	G3YUV
SP8HKT	W4DC	DG7RO	I5IHE	HA8DZ	HA8FW
UR6QA	W4GE	ER1LW	IT9XTP	JA1VLK	IU0LFQ
UT1UY	W4NE	G3SVD	J68HZ	JE6IGP	IZ0RVI
VE3YF	W5ZPA	HB9BAT	JA0GCI	JG3HBO	JA1BWA
VE6KC	W8LMG	HL3GOB	JA5EY	JH2KKW	JA1TAA
VE7CT	YO9FNP	IK0PRG	JA8JTH	JJ0NCC	JA2MNB
VE7UF	YU7AU	IZ0BTV	JA9AGN	JR0EQQ	JA6VA
W0QQ	ZL3NW	JA2MOG	JH4HMG	K0DEW	JA7BME
W3RJW		JE2EHP	K2MK	K1PX	JA8RRF
W4HOG	109	JR7FRW	K3SW	K3WC	JE2UFF
W4NF	AA4U	K1BZ	K3YBN	K4DSE	JG3LGD
W4NU	BA7IO	K1UU	K5KPE	K5AM	JH1ORA
W4OX	DL2VWR	K1XM	KE2R	K5ZQ	JH3CUL
W5AQ	EA3GHZ	K2KQ	N2RR	K8JJC	K2XF
W7VS	EU4T	K4WY	N3DAP	KQ3F	K5CD
W8MIL	F8EZE	K6UT	N4RF	N0JZ	K7OX
W9RB	HC1BI	K8OM	N8AGU	N2CW	K7PO
WA2MUA	JA2CXF	KK1W	NA5Q	N7NR	K9RO
WB9EEE	JA5FDJ	KN4JX	ND4V	N8AID	KA8SYV
XE1RBV	JK1AJX	KV4AA	NG0G	NI5M	KI5T
YL3DQ	K1CA	LU2DKT	NK5B	OE5CSP	KT2E
YO6HOY	K2ONP	N1BZ	OE1CP	OK1AYU	LZ1JZ
	K4RDU	N2CG	OE3SGU	OK2BVG	N2WLG
110	K4WW	N6RFM	OK2BUZ	S57AL	N4JI
AJ4A	K5KA	NY4I	OK3CQR	SP6AXW	N4NW
DL1VDL	K6MW	PA0ZH	R0FA	UR3CRO	N4SC
EA5BYP	K7PI	R5FY	RN4AA	UT7UU	N4VN
EI2GLB	KC2STA	R7LA	RV6ARZ	UU5WW	ON7PQ
F5BAR	KE1F	RX6DX	SP3BQD	V73AZ	PF7M
G3LNS	KL7RA	S57J	SQ5EBM	VQ9SS	PJ2/K8ND
I2BBJ	N4IQ	SM6AOU	UR9IDX	VU2CPL	PY5CC
IK5RUN	N9HF	SP6M	US5CB	W1CWU	R6YY
JA9KRO	NA5C	SV1AHX	VE3OI	W2GPS	RA6AF

RD4WM	N4TTE	EW3LB	W1CTN	LA3ANA	DL1KS
UA3O	N8MZ	G3BDQ	W3XY	N2SQW	DL3ANK
UA6LCN	NJ9C	G4AAW	W4AVY	N3TR	DL5JS
UR1RWX	NN3Q	G4PUQ	W4MZ	N5BO	DL5RDI
UR2RGN	NU4Y	G4VGO	W4TMR*	N5RZ	DM3ML
VE1PZ	OH1ZK	IK2ANI	W5VU	NA5Z	EA1WX
VY2ZM	RA1QX	JA2GQO	W6SZN	NS3L	ES5RW
W2SKI	RU3UR	JA8EJO	WA2BOT	OH2EA	EU1TT
W3NRJ	RZ6DX	JH1DGQ	WB4TDH	OK1DTN	G3ZFC
W4OWY	RZ6LB	JK1BSM	YO7APA	OK1JDX	G4DJJ
W6FF	SM5CCE	JM2RUV		OK3CSQ	G4FJK
W8FIB	SM7CQY	JR3UIC	102	ON5UE	GM3WTA
WA7BNG	SO5AS	K1EP	A6/RV6LNA	PA7TWO	HB9NL
WA8MCD	UA9FGJ	K2CJ	CT4BD	PY2DO	I8LWL
WB2UFF	US5CAO	K2UVV	DK3QM	R2AB	IK2OHG
WQ5W	UT7EC	K3FM	DK5RL	R3IS	IV3GOW
YU1NR	UX4UM	K4LQ	DL3DXX	RU3UN	IZ7JVR
	UY0MM	K5JUC	DL3NCR	T77V	JA1VVX
104	VE3VHB	K8CCV	DL4KUG	UA1AIR	JA6TMU
9M2AX	W0YBS	K9DR	EI4DQ	UA1CKC	JH3HGH
AD1C	W1QA	K9MUG	F6BWO	UA6HOF	JH3PRR
AH0U	W2NO	K9XJ	FM5WD	UA9MR	JI3KDH
CP8HD	W3DRY	KB2FCV	HB9AHL	UA9UCO	JR1XIS
DK3BK	W3FOX	KE1IU	IK0DWN	UW7CN	K0LW
DL1QQ	W3TMZ	KJ4R	IK7YZG	VE2FYR	K1YR
DL4FAP	W5CWQ	KJ7WY	IT9SFT	VE3EDY	K3SEW
DL7UPN	W5GJ	LX1DA	IU8FRE	VR2MY	K5FZ
DO4DXA	W5ZO	N0RU	IW3GJF	W0RX	K6AAW
E73D	W6PH	N4LR	IZ4MJP	W1PV	K6XJ
EA8ZS	W7DR	N9BBQ	JA0HXV	W2EQ	K7AR
F6AJA	W8KA	N9SF	JA1SDV	W2LW	K7IA
F8GB	WA6TLA	N9TF	JA2OLJ	W2TX	K8BN
G3BRD	WA9ETW	NE0DX	JK1MZT	W3EKT	K9PG
HB9CIP	WL7E	OH3GD	JR2UBS	W4ALF	KE4S
HK3O	XE2YWH	OK1DQT	K0YN	W4JVN	KI0KB
JA2FGL	YC0LOW	OK2BQU	K1PTF	W5THT	KN6J
JF1EGO	YO5ODE	OK3BRK	K2LP	W5TO	KQ1F
JF6WTY		OZ7JZ	K2TK	W7IUV	LA2GV
JO1WXO	103	R9GM	K3KG	WA0IDK	LZ1XZ
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K1BG	AI3Q	RA4HT	K4LM*	WS4Y	N2AJ
K2BB	AL7TC	RK3QY	K4VIG	YO2IS	N3XM
K2BLA	CX3CE	RU3OW	K5AV		N5AQ
K3PH	DF2PI	SM3CBR	K5GO	101	N6EE
K4KEW	DJ1MM	SM6EHY	K5ZO	AA4NU	N6NU
K4MF	DJ7PI	SM7BHH	K6MI	AB4GE	N6WM
K6UM	DJ8ES	UA3PFN	K7BHM	AC5O	N8AG
K7TJR	DL2HX	US2WU	K7BTW	AC9S	N8NN
KA2BZS	DL8YRM	VA2ZO	K7UA	CT1JGA	NX2X
KH6KG/W5	DM5TI	VA3IC	K8BHZ	CU3AK	NZ9Z
KW0A	EA3CJ	VE3MFA	K8OQL*	D44BC	OA4TT
N3ER	EA7SG	VE3VV	KG8CW	DH2FW	OE3WQB
N4MEC	EU6MM	W0UVC	KY6R	DK9WI	OH3TY

OK1PGF	AB4VV	K9NZ	UA3AKI
OK2BOB	AC4VM	KB0EL	UA4PAY
OK3EY	AI2S	KC0V	UA6CEY
OK4MM	DJ6OI	KC4D	UN1L
ON4LG	DL1HRN	KC5LT	UN6P
OZ4AAL	DL1TPY	KD2T	UR4CW
RA3AH	DL9GTB	KD8BZY	UR4LRG
RA4P	DM2RM	KJ6NZ	UR8IDX
RA4SD	DU7ET	KM8AM	US8UW
RB7GG	EA1AF	KN4KL	UT4EK
RK9F	EA2AAZ	KP4N	UW7LL
RY6M	EA3ALD	LA8W	VE1RGB
S50B	EA7QW	LU5OM	VE3OAT
SM2DMU	EA8AXT	LU5YF	VE7JKZ
SM7NDX	EC5A	LZ3YY	VP2VA
SP7JLH	ES5NC	MM0SJH	VR2PX
SP9DH*	FM5GU	N0AH	W0GYH
SV1PL	G3OIL	N1KI	W0MU
UA0FDX	G3VAO	N1MD	W1AN
UA4PCM	G4CGG	N2XQM	W1LY
UG6GAW	GM3ZSP	N3AF	W1MRH
UR7CQ	HI8RD	N4CRI	W1YRC
UT1CC	I2VGW	N6PAT	W3BBO
UT4IS	IK2SGB	N7TK	W4HHN
UT7HA	IK4MSV	N8IL	W4OV
VE2OJ	IS0/YO3RA	N9ADG	W4UCK
VE3XB	IU0HDC	N9ISN	W5VY
VK2GR	JA1BRK	NG7A	W7DT
W2SF	JA1CPU	NJ3I	W8CNL
W3HKK	JA4FSH	OE5JDL	W8FN
W3WH	JA5DQH	OK1DXD	W8GDQ
W4BUE	JA8OW	OK2PAZ	W9YE
W4WT	JA9CGW	ON7EH	W9ZCL
W5KI	JH3GCN	ON7GB	WB4SON
W7AV	K0EOO	ON9CC	WB5TUF
W7CB	K0FLY	OZ1LCG	WK4Y*
W7QC	K0XM	OZ1ZD	WU2M
W8GB	K1NA	PA0INA	YL2SM
W8VK	K1NZ	PA7RA	YO9FLD
W8ZR	K2BX	PV8ABC	ZP9MCE
W9MAF	K2CBI	R3PJN	
WB3HLH	K2CYE	RA3SD	
WC6DX	K3TZV	RA4LW	
WK9U	K4FT	RA6XB	
WR2G	K4KAY	RL3BZ	
YO6BHN	K4KSY	RN1A	
YV4DYJ	K4UQC	RT5A	
	K7VIC	RU3GF	
100	K8BZ	RW9QA	
9M6YBG	K8CR	RX9JX	
A41ZZ	K8CS	S53MJ	
AA4AK	K8LE	SM5AHK*	
AA5JF	K9EA	SV1VJ	