

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 31 Dec 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	325 K9UWA UA2FF	W2VO	SM5BFJ SM6CVX	303 F5LGE JA1BK JA4LKB K1UO SM3GSK YU1FW	298 9A2AJ IK2DFZ OZ3PZ SM5CEU
341 EA8AK	324 K2TQC OH2BO W1NG	315 IK4WMA OH3SR S50U W1JR	309 UT5UGR W5IZ		297 DK5PR N4CC OE6IMD OM2XW RA3DX W0FLS
340 K1ZM		314 IK4GME K5RK N1DG NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG	302 DL4MCF GM0GAV GM3YTS	
339 W4DR W4ZV	323 EY8MM S50A SP5EWY		307 DJ7MI OH5VT RZ3AM UT3UA VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX S54E	296 DF2UU F5NTV G4PWA OE1WEU ON5NT W1JZ
334 N4WW OH2BU	322 K4PI UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	306 K4CIA N4RJ SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD PA3FQA RC3FL SM3EVR SP3EPK SV8JE VA3EF	295 JA2JPA K3UA
333 R7LV	321 WB9Z	312 OH1MA	305 EA6SX JA7NI K4ZW N4IS UA6A		294 JH2FXK LA5HE RJ3AA SV8CS WD5COV
332 UR0MC	320 SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A SP2FAX	304 CT1EEB DJ0MDR NN4T	299 JA4DND K4TEA N1BUG SV1FJA UX1UA W7UT	293 DL1AMQ S58T
330 AA1K HA0DU K5UR LZ2DF OH1XX UT7QF	319 K8MFO N0XA SM4CAN	310 I4AVG KJ9I			292 G4BWP
329 K3UL UA4HBW	318 W9ZR				
328 R4GM UA4CC	317 W3LPL				
	316 4X4DK				

JH4UYB	286	279	K2CL	265	258
JR2KDN	DJ2YA	IK4DRY	K5BG	AA1V	G3ZSS
OZ1BTE	IK1GPG	JR7VHZ	KF2O	AA4V	KW9A
SM5AQD	K3SX	N2TK	MD0CCE	AA7A	RN3CT
SV1AOZ	N3SL	SM6CNN	RA3DA	G4OBK	VE3QAA
W3YX	PA0WRS	UA6MF	SM6CCO	RW0LT	
W8TOP	UT7UW		UA3DPM	SV8BHN	257
	W8AV	278	UX1AA	YO5BRZ	IK5HHA
291		DK0EE			K1GUN
9A7V	285	F6BEE	272	264	W9YSX
DF3GY	CT1APE	JA3FYC	9A2EU	AA6YQ	
JA4LXY	G4CCZ	K5DU	CT1EKY	K7ZV	256
KD9SV	HB9BGV	KG4W	DL1DUL	SP9JZU	9A5CY
N0TB		N5DG	DL2OE	W1GL	JA5BZL
R7NW	284	UR5WA	SP6CIK		JH1GZE
SM3NRY	K5XI			263	K1QX
SM6CMU	UA3AB	277	271	IZ1ANU	K5VRX
SP3E		AA4MM	EU7A	K9OW	K8FL
UA3LAR	283	DJ9VA	G4GED	LA5IIA	N5KD
UT7UJ	NA0Y	F6AOJ	HB9AMO	W2SM	N8TR
	NO3M	IK5BAF	OZ1CTK	W3AP	PA7MM
290	R3OK	ON7TK			W1TSP
IZ0AEG	282	SP9DWT	270	262	
SP3IBS	DL1YD		OE5KE	G0DQS	255
UA3AKO	I0WDX	276	SM5KNV	K4XP	K4QL
W5ZN	JH4IFF	DK5WL		KR9U	KY7M
	K4SO	DL7VEE	269	W1YY	N2MF
289	K8KS	G3LZQ	IK6DLK		UX0FF
I5NPH	N2LT	N8RR	JA5AUC	261	W3DF
JA3ONB	N7NR	N9IW	K6ND	9A4T	W5OZI
K0KX	SM6CTQ	OK1AWZ	KD5M	DL9YX	
K4WM	SP3DV		RV3LO	EI7BA	254
N8DX	US5WE	275	W1ZC	K2EK	N0AT
RX4HZ	UY5ZZ	9A1CCY		K5KC	OM3DX
US4EX	W0BV	IK4CIE	268	N6SS	WA4FFW
	W2YC	K2UO	DL5DSM	NO8D	
288		K4IQJ	G3WPH	SP1S	253
PA3GCV	281	OH3BU	RA3XDX	SP5DIR	5B4AGN
RA3CQ	DF2PY	SP5CJQ	RK4FD		AA1QD
RY9C	JA2PJC	UW2ZM	W1MK	260	K5ESW
SL0ZG	JA5EXW	VE2TZT		K1LT	RU3FM
SP7VC	K1CP	YO3APJ	267	K4DY	S58Q
UA4LY	K9CT		LU8DPM	KX4R	UA1OMS
W0JX	S59Z	274	RZ3DX		W0YG
WK3N	W4TO	G3TXF		259	W3KX
		K1ZZ	266	DF4PL	
287	280	SP6AEG	K8PT	EA5BM	252
DL1RWN	EA6NB	W6UB	LA3MHA	F6GCP	EA1DR
G3XTT	HB9BIN		NR1R	I1FQH	IV3YYK
N2QT	NJ6P	273	R3LA	IK2YCW	JF2MBF
VA3DX	SM4DHF	F5NBU	W8TE	N3NT	JG3QZN
W4PK	SP6HEQ	IK8HJC	W8XD	R9FM	JQ3DUE
		JA8ISU			ON4AOI

PA4VHF	W5XZ	K1ZG	R7DX	229	RA3QK
S52F		K9OT	VE3XN	CT1FJK	RV1CC
W3UM	245	LA2XPA	W3LL	DJ4AX	RW3XZ
	AB3CV	UR5MID	WA7NS	JA8FKO	SP3CGK
251	DL4CF	VO1NA		J11BEX	SP8NR
DJ7RD	JA1GV		234	OE5NNN	US0SY
DL9RT	N9US	239	AC4G	RO7T	VA5DX
I1EIS	RL9F	F6BLP	AJ6T		W7KW
JA2VPO	RY7G	G8VR	IZ8FFA	228	
JH0BBE	W9XY	JA5MHD	K1AR	AF9H	224
N4II		JR3GWZ	K4UTE	AI0O	DL5WW
VK4MA	244	K0KT	KF0QR	EA1N	I3BUI
W5UN	AG9S	K1HTV	PY1BVY	K4HB	IZ1LBG
W7LR	DK6WL	KH6AT		OH2BEN	N8BM
	IK0XBX	LY3UM	233	SV8CKM	SP5INQ
250	JA1HGY	RN3QN	AB4I	VE3DZ	VK6VZ
HB9RG	JA7QVI	RU3QR	EA6VQ		W0VTT
NQ1K	ON4IQ	SV1ELF	JA0FSB	227	W2RQ
OZ8BZ		SV1RK	K0CS	DL7HU	
PY2RO	243		K2UU	E72A	223
	DK2JX	238	KA7T	ES1RA	AB0X
249	DK3DG	DL8WN	SK3PY	IK0HBN	HA7TM
AI9L	JF8QNF	IK0XEZ	UA4HAU	IK6FWJ	JH2TPI
JR3IIR	NN4X	JA0DAI	VA2WA	JA1UQP	RT6T
K9NW	ON4ATW	VO1HP	W7AO	JA9CHI	SV2JAO
SP5DRH	S57A			K1FK	ZS4TX
	W9RPM	237	232	K3NW	
248	WX4G	DL7MAE	JA8EAT	KD0Q	222
K3WW		IK0MHR	K2AZ	N2WK	DF6PB
K5RX	242	K1DG	K4XL	NV9L	IV3JVJ
K9RX	KG7H	NI0G	NI6T	W1TC	K3SV
N2NL	R5AJ	OM4EX	S51DI	WB6RSE	K6EID
R5DT		RA0FF	UA3AP		N5AW
SM3VAC	241	UR5EDX		226	N8PR
SV8GFW	EA4KD		231	JA2NDQ	N9BX
T77C	JA1SYY	236	4X4NJ	JA6BZI	SM0CCM
UT9FJ	JA3EMU	EA6ET	HA9RE	JF2KOZ	W9BF
W9NGA	K2FF	K1JO	IK0YUT	JR6EZE	
	K5ZK	K9NR	JH1HGC	K9FD*	221
247	N4XM	K9ZO	K5EK	N6AR	DJ8NK
IV3ODE	N5TY	KC7V	N7NG	N6JV	K4MWB
K6XT	N7RT	OK2ZI	ON4ACG	ON4GG	K8FH
NO2R	OE2LCM	OZ4O	W9IXX	UT5JAJ	K8SIX
R7IA	OK1DWJ	SP8AJK		VE6WZ	MM0EAX
WB3AVN	SP5GRM	YO9HP	230		N6VR
	UA3TT		DJ5FI	225	SP7GAQ
246	VE1YX	235	FK8CP	A45XR	W1ZK
DJ2TI	VE3NH	CX6VM	JA1CMD	IW1ARB	W6JRY
F2JD		JH4ADV	N8JV	JH7PFD	WA7NB
K0IEA	240	K3SWZ	SM3NXS	K1MM	WS6X
N6TR	JA0CRI	KA9CFD	W4GF	K5AB	
TF4M	K0JUH	N6DX	W4VQ	K9FD/KH6*	220
W2TQC	K1FZ	OK1CF		N4CH	AG8B

HB9LCW	215	K3WA	JA3PIS	JA5AQC	G3UJE
HL5IVL	AD5A	N4PQX	K2VV	JH3VNC	G4BUE
JR4OZR	JA9PPC	NX0I	K5AQ	K2NV	IT9JNR
K8ZTT	N7JW	RU3SD	K5RT	LY1G	W8HB
KA1R	RA1QD	UR5FEO	KG9N	N7KA	197
N1LN	W0UO	W1ECT	N8DJX	OK1DOT	G3SNN
N5JR	W2LK	WA5VGI	N9AU	R9TO	HB9DDO
VE3EXY	W6YI	210	SM6BZV	RA3S	I5KKW
219	214	I8SAT	US0KW	UA9FAR	JH2UVL
IK3VUU	DL7BA	JH0INP	VE3BW	W7DO	K8NVR
JA2FJP	HL3IUA	JJ2LPV	205	WA2HZO	LA5YJ
LB8DC	JA2JW	LA4GHA	I4KDJ	ZL3IX	OE4PWW
N0AV	JA2WYN	UW7LL	JA3AAW	201	OE5FIN
OE8RT	JJ3PRT	W7JW	JA9FPI	AA5AM	ON4CD
RA3WDK	K3JGJ	209	K1DT	CU2DX	RZ6FA
SP4K	K4NA	DL5CF	PY2XB	DL1EJA	UA0SC
UT7UV	OK1DX	DL9MRF	W8UN	F4BKV	UT5EL
WA2UUK	RN7G	EU1KY	WB8ZRL	JA9NFO	196
218	W4NL	HB9CXZ	204	Ji2KXK	4Z4DX
DJ4PI	213	HB9DDZ	DJ5AV	JO7WXN	AA4HP
DK0PM	DF2IS	JA0UUA	IK7NXM	K3HP	AG4W
DK2NG	EI3IO	LA7GIA	K4JJW	K5MC	DK2LO
IK1YDB	HA1RW	N9LB	KK4SI	N4QS	F6EXV
JA2FBY	JF6DSZ	VE1DX	LX2A	N5ZM	IK4PLW
JA8CDT	K1ST	VE3LYC	N4NX	W5TCX	JA4PXC
JF3KON	NA2M	W0ZR	N7FU	200	K8PO
K0EU	RU4SO	W7KNT	UA0SR	JA1GTF	KA9FOX
K5UO	W0LYI	208	US6EX	JH2RMU	KP2A
UT4MF	W1FJ	G3NSM	W2HUV	K1GE	ND0N
W5PJR	W2WG	JA7MSQ	WD8PKF	K3LR	RA9CMO
217	W3YY	JF4VZT	WF4U	K9US	RZ4FO
JG1ULJ	212	K2FU	WI8A	LA7HJA	SM2OAN
K5PC	AA9A	N5ORT	203	RW4NN	W0FS
ON6YH	DL9GFB	RU3ZX	IZ8VYU	RW7M	W2FCR
UA3AGW	K4MQG	UN5J	JA2XYO	UY0ZG	195
216	K8ZH	UY1HY	JE1PNX	W0DD	EA3JL
JA6LCJ	KE9I	W6PJ	K4XO	W0MHK	EA5RM
JH1IFS	KG6I	W9EWZ	K8AC	W2IRT	G3ZEM
K5EJ	LA7JO	207	K9MMS	W3GG	JA1EOD
N5UL	N1ZZ	I4LCK	KK2I	199	JN7FAH
OE1ZL	N4MM	K1LPS	PA0A	JA2DPC	K7SO
RZ0AF	SM5CZQ	K3JT	R6AF	JA2JNA	K9RT
W0GJ	WB9CIF	K8EUR	W8GC	K1GG	KF8UN
W6XA	WS9V	PY2BW	202	K6GXO	N1SV
YO7LCB	211	W0LS	DL1MGB	N4DW	NK1K
YU3AA	F6DAY	206	DL2KQ	OZ1AXG	W5ZG
YV1DIG	IK4DRR	DM5EE	DL9DRA	W1TO	W9OP
	JA2IVK	IK0IOL	EA1RT	198	194
	JA4DEN		JA3CSZ	DL1ROJ	K4KDX

K9JF	190	JA8DNV	UR3EO	AE5E	K3AJ
KB9LIE	CT1IUA	K0BJ	W1YM	CT1EAV	K4TR
KC9ARR	IZ8XQC	K3PA		EA8JF	K4WS
W1NT	JA1DUH	K6SRZ	181	HA5WA	OE1WHC
W2LO	JA1MCU	K7LAY	DK3WW	IK4ADE	OK1DWC
W4FC	K2TE	N8LJ	N3OC	JE1BMJ	RN7F
W9OO	K9KU	NE1B	VE3OSZ	K3WC	UA3LNM
WD8JJA	KF7PG	WA3C	YO2DFA	K9NU	W8UV
	KM1D			SM6DHU	W8VVG
193	LA7AFA	185	180	W2OR	WT8C
DL5ZB	N4XU	AB6QM	DM2DXA	W5LT	
DL6ZXG	N5GH	EA6BF	DM3VL	W7FI	173
EA3WD	SP2LNW	G3KWK	K2EP		5B4ALJ
HA5BSW	VE7VV	IK3SWB	K4CN	176	I1JQJ
JA1XEC	XE2X	K0BBC	K6SSS	EU1AB	JA1PPW
K4ODL		K5ZD	K7BG	HK3W	JA3ENN
K9YY	189	N4TJ	LA9AJA	I6FLD	JA9TWN
KB8VAO	9A2F	N5UR	N1RR	JA0DET	K1NTR
KV7K	EA8PP	OE2BZL	N4AH	JA5IU	K4XR
N9EN	FM5CD	SV1DPI	ON5FP	JA6BJV	KA1J
PA0LOU	JA3RAR	UA9CBO	UT2UB	JA8KSF	N5FG
RN1ON	JH1QAX		W1RM	JL1SAM	PY5EW
UA0CA	K0JGH	184	W3YQ	K8MN	W8HC
W9MU	SM7GIB	AA1ON	W8TN	N5OK	
	SP7HOV	I2AOX		RL3FA	172
192	UA7T	JA2ZL	179	W4BP	G0BLB
9A2NA	WE9R	JF1NZW	IT9ELD	W4GD	G3NKC
DK1FW		JF1PUW	IW0SAF	YO7NE	IZ5MOQ
IK0FVC	188	JH1RFR	JA2BDR		JA3FGJ
JA0EOK	AB4IQ	K4HGX	K8WK	175	JA9NLE
JA7JWF	JA1KQX	K5KLA	OK1MG	JA1CHN	JG3IWL
K3FN	KB0EO	KB4ET	S57UN	JS3CTQ	K0DEQ
K4FJ	KB1EFS	KL0S	SM4DDE	K4DLI	K1BD
K5XX	W6SR	OH2IS	SV3FUP	K5GKC	K6FG
K7GM	W8JV	S57AC	W2YJ	LA0FA	KJ0M
K9EU	WA6YEE	US8UA	W7BEM	N7IR	W4FQT
N4DB			W8KEN	N7XR	
N5LZ	187	183	YL2TW	SM5FUG	171
W3UA	AJ1H	CT1FMX		SP1MGM	AA9D
W4UM	DF2GH	CT3MD	178	VE3FF	DL6KR
W8LGJ	JA0VSH	IT9INO	EA3CJ	W7MEM	G0EHO
WN6W	K0SR	K8VC	JA2LCP	WX0V	HA9PP
	KN5O	KE9ET	JA4MRL		JA6HUG
191	N2NS	LA3WAA	JE2URF	174	JR1TNE
G0OIL	OK1CZ	NN2L	K2UR	4Z5CX	K1NU
JA1ANR	RM0F	ON6SAS	K8RRT	JA0GJJ	K9YC
K8FC	SM0NJO	W2FP	NE0U	JA2XW	LA5LJA
K9LA	W7AWA	W8NW	SM7DLK	JA7MOL	N0RN
RK2FWA			SV1JG	JF7DZA	N4OGW
RX3APM	186	182	W6NWS	JK1OPL	N7RO
WA2VYA	9A8A	DJ9ON		JR6PGB	N9RC
	IK2QPR	DK3UA	177	K0TT	SV1LK
	IZ8FWN	JA1SHE	9H1SP	K2KA	WB7B

ZS1LS	JE3ENP	HA7UW	YU2TW	W3GQ	ZS6EZ
170	JG0CQK	HB9BZA		W4QN	
CT1FPQ	K4XD	JA1RTX	160	157	154
DJ6TK	K6KO	JA7ZP	9A2JK	AA4H	3V8SF
JA6JPS	K8NK	JH2SON	AD5Q	AC6DD	GM3PPE
JF1WPB	N0IJ	K1NJ	DL1DA	DK1WB	HB9TKS
JM1GYQ	N3BNA	N5WA	EC3A	EI6FR	JA8NFV
JR7BDQ	PA3C	N9FN	HB9DHK	G3TQZ	JE2DZC
K6ZZ	RA1AOB	NY0V	HB9FMN	G4GIR	K0KVR
N4PY	RN9N	RA3ZH	IW2FND	JA1GHH	K4RG
SP3GTS	S51EC	SV2AEL	IZ4DPV	JA9APS	N3RC
SV3KH	SP3FAR	W4NS	JA2EPW	JH7IAJ	W1NA
W9AJ	UN9L	W7YAQ	JE2LUN	K9GA	W2XI
W9EVI	VE6WQ	WP4U	JE2OVG	LY5A	W5DNT
WA3AFS	W1YW	163	JF2XGF	N5MOA	WB0TEV
WC4X	W3IP	DJ9HX	JR7MAZ	NE9Z	WS7L
	WA0MHJ	K8TL	K3MSB	RN3OG	YS1RR
	WA4LOX	UR4CWQ	NR4M	RU4UR	153
169		VE3CFK	RU6L	SM3PHM	AJ9C
IK0PEA	166	W7AL	UA0FZ	SV8ZS	DL3ZA
JA1ADT	4Z1UF		UX5UO	W2TA	EA5BY
JR1IZM	DJ4SO	162	W1BR	W5GZ	G3TJW
K1LI	IV3TDM	4O3A	W5XC	YV2IF	HL2CFY
N4XX	JA1FNA	9A4W	WX0B		JE3GRQ
N7US	JA9LJS	CT1GFK	159	156	JF1IRW
PE1L	K3KY	F3AT	JA4FKX	DL4MM	K7SP
RA3DNC	K4JLD	JA6GIJ	JE2LPC	F6HDH	K8VJV
UT8MM	K4PB	K1KI	JH6QFJ	IK0AGU	N4TV
UY5AA	K4ZJU	LB6KC	JH7CFX	IK0FUX	N5TW
WB3JFS	K9MBQ	N8MR	K1KA	IZ8IEV	N8II
	OH2BLD	RW3RN	K4RO	JH2QMT	R9OK
168	RM3DA	W0HT	W3HKK	JO7HAM	SM6CLU
4Z5MU	W1RR	W0TT	W6BJH	K0QC	SP5CCC
G3MXJ	W8ILC	W1LW	W7SX	K8YSE	UT5UY
IK2EGL	WA8TXT	W3JX	W9RN	KS1J	WB8BPU
JE7JDL		W4DKS	WA9PIE	N3UA	WE1P
JF2UPM	165	W8WEJ	WD5BJT	N4HB	
K5QY	DL7UCX	WW3S		UA3SAQ	152
K8RYU	I2ZGC		158	VA3LX	EW2A
KR4F	JA6VQA	161	DJ4PT	W1YIF	HB0CC
N4QQ	JE7RJS	DK2GZ	DL1FKA	W4TV	JR9OPJ
N8BJQ	JN4MMO	DL6RAI	JH1TWT		JT1CO
PA7F	K5JZ	JA1DOF	J11FXS	155	KS3F
SP5GH	KI5BLU	JH4CPC	J11NJC	AB9V	N9OY
TF3SG	KK4CB	K1USA	JR1GJP	DL1RK	S55ZZ
W4SVO	SM4CTT	K5GO	K5TT	DL6MRS	UA6IGI
W6RW	SP6EQZ	K7NN	OZ1HX	K2LS	UT5AB
W6VX	W0DJC	K8ND	RU6M	K4WA	VE6LB
W8OI	W5BN	LB2TB	SM4EMO	NE0DX	W1SKU
WA5YNB	WC5N	N4GN	W0SZ	NW7E	W1VT
		OH6RA	W1OX	RC9F	W6RLL
167	164	VK3HJ	W2XL	SM6VR	W7AJ
DK5AD	GU4YOX				

WB3CQM	SV1CNS	K7WP	HS0ZEE	W4JVN	138
	UW7UA	N7BT	I0JBL	W4VIC	DK8MCT
151	W0GG	RU0SN	K7CMZ	W4WT	DK8YY
DK2OY	W7HPW	W1IZL	K7CW	W8HW	EI9FBB
EI9JF	WB8B	W1ZT	K8ROX	ZS1C	EU4A
F3SG	WD5K		KJ9C		F6DDR
JA6BEE	WS5W	145	LZ2ZG	140	IK8EPC
K2FW	WW2DX	AF4HX	N2RJ	9A1CAL	JA3OOK
N1EN	YO3DDZ	JJ3HGJ	N2WM	DF2RG	JF3LOP
N5JB		JN1BMX	N5UW	JA9RRH	JH7RXU
OK1ATP	148	K1OA	N6PAT	K5WK	JK1AJX
RD3A	DK2CC	K3VAT	R8TX	K6KLY	K1RO
RU3A	EA7TV	K4OY	W0IZ	KF8DX	K2RET
S54A	F5CQ	K8BL	W6QUV	N4XP	KJ6P
SP7AWG	F5LVL	KF6HI	W8RLS	N7WS	KK1W
SV9AHZ	HB9BUN	LA6OP	WB8ZRV	N8OC	NA5C
W7RH	HB9SLO	N1CGP	WD9DZV	OH6NIO	OZ8X
WA1Z	JA2VQF	N4GG		OK2ZV	RW4CY
WP4G	JH1QDB	PC3T	142	ON7DR	V51B
	KR2Q	RT0F	I5HOR	UN1L	W1GD
150	N2WB	SM3DTR	IT9BLB	VE6SV	W2YE
DL4SZB	NE3F		JE1FQV	W0SEI	W4YV
EA1AF	W5FKX	144	JR7WFC	W4NU	W7OM
IT9DSZ	W9JJB	CU3EQ	K3PP	W5ADD	
IV3RAV		DL5CW	K4WZ	W7IV	137
JA2NQG	147	DL5KUA	KQ4AV	W8LWU	GM3YOR
JH1NYM	AA7G	E70T	LA9VFA	WO2T	IZ2FOS
K0RS	EA3GP	EI6IZ	MM0SAJ	YL2MU	JA3APU
K7LV	IV3VBM	GM3ITN	N5XZ	YO9FNP	JE6TSP
K8AJS	JA1SVP	HB9BYQ	N7QT		JH4JNG
KU4XO	JA1XQC	HI3T	NA4D	139	JR1XIS
N3QE	JH4ALY	I5MXX	NQ7R	CU2AP	K2QMF
N9CO	K2AX	IT9GSF	NY2NY	DF7EE	K8NS
N9MB	K7HP	IZ4GWE	OK1DO	DJ4XA	N2PK
OE8SPW	K8UT	JA3GN	W2OO	DL5EBE	ON6AA
UA6YW	K9MK	JR3OEH	W5LUA	DL8OH	RA3CO
W6DAO	KM1H	K0VSH	W5VQ	JA1TMG	RG7G
W7CT	N1IBM	K5TR	WA5POK	JH0BQX	UU1JA
WA2BCK	UN7LZ	N1IX	WB8CQV	K3ANS	W11TU
	W1OP	N3KK		K6AM	W2CG
149	W2KKZ	SM4OLL	141	K8GI	W5ODD
AA6AA		SM5CLE	AC9S	K8RF	WB5JID
DL7CX	146	W2/CT1GIF	DL5MHQ	KD0PO	
IK4FNF	F5PAC	W4GE	EW1BA	KU0A	136
IZ3ENH	G4FTC	W7ZI	JA1PTJ	LA8WG	DS1JFY
JL1ARF	JA1HQG	WC5M	JA2ATE	OK1MP	E72U
JR5JAQ	JA4DHN	WD5T	JA5XAE	OK2QA	ER0FEO
K3RA	JH1GNU	YO3CD	JL1UXH	SM5CBM	IK8CNT
K3TN	K1CA		K2RW	SV8ZC	JA4OK
K4YYL	K5KV	143	NJ3K	W0SD	K0TV
K8ME	K5SM	DL1DUO	OE6VIE	WA8WV	KR6C
NX8Y	K5VWW	DL6EN	SV3FUO		N2ZN
SM6CUK	K6NR	HB9HFN	W3BW		N6PSE

OK1DW	YU1AM	131	JA1NWD	K7TM	JA4IYL
SM5OJH		DK7YY	JA8JO	KM4H	JA6VU
SP2BMX	133	G3UHU	J14POR	KM4NS	JE1TSD
UT3UZ	9K2NO	HS1NGR	K3NK	N1AC	JE6UWU
UW8SM	EU1U	IV3KFB	K4TT	N1GC	JF2WXS
W2OIB	IZ8DFO	JA2TBS	K6XM	OE8HIK	JH3CUL
WB7QXU	JA7GLB	J11DCW	KM3V	S51NM	JH4ADK
	JA7LGE	JJ1TEA	N0YY	SK7AX	JL1RUC
135	JA9AGN	JM1FHL	N3KS	SM0BYD	K1HAP
5B4MF	JH1HHC	JR6FC	N3RR	SP6A	K5KG
DJ9ZB	K1ZN	K5VIP	OH1JP	SP7ASZ	K8DV
F6FXU	K2CDJ	KH2L	PY5EG	W0CP	KA6BIM
HB9IQB	K6EME	N4QWZ	W7QHE	W0RT	KI4WCQ
IK8GYS	KS4YT	N5PHT	W8MET	W0YVA	LZ1XL
IV3DXW	KU2A	N6RK		W3BG	N2KA
IZ0RVI	N9MR	NA5DX	128	W3MF	N3EN
JA7LMZ	OE1KM	NN4R	AA4SC		N4JT
JA8BNP	RA5BM	ON4ON	DM2RM	126	N9RD
JA8JL	RV4LC	R0SR	IT9ZZO	DJ8WD	ND5S
JH4HMG	UQ2PZ	R9MJ	JA2AHH	F8BPN	NW6S
K1ZE	VE3WT	R9SA	JA2KSP	G4IUF	OE1AZS
K7FL	W0NFL	W8DCH	JA9AA	HB9FMT	OH1ZK
NZ9R	W2QO		JE1LFX	IZ7EVZ	RA0BA
R7LP		130	K0FF	JA1XCZ	UN7JID
RN3RQ	132	DF9ZW	K3XA	JA7KY	UU7JM
SM3LGO	AA4NC	E73M	K4JAF	JJ1DWT	VE3UTT
SM5CZK	AB9M	EI2JD	K4SE	JN1RQV	W5DAW
SP3XR	AD6W	G7VJR	K6LPO	K2ZD	W9CG
W1DIG	IT9RDG	HK0HEU	KG7CW	K4JKB	YO2RR
W2GD	JA2KVD	JA2FBC	LB5WB	K4XU	
W4BUW	JA6CBG	JG1DUZ	N5KM	KC2LSD	124
W4MBD	JR2LJO	K2MYR	R9SG	LB7ZG	AA7XT
W4RFZ	K6YUI	K6SIK	S53X	N8NA	IK3VBB
W6JTI	K9ZM	K7LFY	S55DX	OK3CQD	J11DHY
W8GNM	N6HY	K8BCK	SM3GQP	OZ1IKY	K1UU
WE4S	ON4CAS	K9GL	SV3DCX	PA5TT	K4ZO
	OZ2RH	N3MK	VQ9LA	SQ5EBM	KD4POJ
134	SM4BZH	NA4EA	W2WC	VE3CX	NA2U
CT3HF	SM6BGG	NO9E	W4IS	VE7BV	PA0TCA
IK4DCS	SP6M	OZ2ABI	W6RKC	W8MK	PA3EWP
K1TO	SV5DKL	R3VA	ZS1A	W8REW	UA0BA
K3OX	VE3CRG	R5QA	ZS6UT	W9ILY	VE1DUN
K7XB	W4AXL	R9AB		WB0O	W2JU
KA8SYV	W4RBO	RU1AO	127	WB2REM	W2RIJ
KX4TT	W4WM	TA1CM	HB9CQK	WD4LBR	W3FM
N9RS	W5AJ	UN7JX	HK1MW	XE1KK	W6CYX
OE1TKW	W5SL	VE3DO	IU0HDC	YU1EXY	W8LMG
PY5HOT	W6DR	W2MPK	JA1DDH		
RG6G	W7AH	W9ZT	JA1WLO	125	123
RX4HW	W7CD		JA8RJE	9A1AD	AB1OC
UA0ACG	W9FR	129	JS2LHI	GW3TMP	AC4TO
W1EQ	WB3D	EA1YO	K0RW	HK4SAN	DL7JRD
W4JKC	XE2S	HB9AZZ	K3TRM	IK5DNF	DL9FCY

F4GTB	121	SP7ITB	JA4FHE	N6MB	JH1RFM
G4WFO	AA6RR	UR5IKN	J18DGO	N8AA	K0GD
G5LP	CT3KN	US0YA	JR3UIC	N8XI	K0SD
HB0WR	DF1DB	W2YR	K3WGR	NY4G	K4CMS
IK2CHZ	DK1EI	W3OA	K4CNW	SM7BIC	K4GHS
IK3XJP	DK6CQ	W4PRO	K8LN	SP8HKT	K4GK
JA0CRG	IK2SGB	W6RFL	K8WVA	UA6J	K5XM
JA3MHA	JA1SJV	W7RN	K9DR	UB3A	K8YTO
JA6WJL	KD8RQE	WV4TN	K9SG	UR9IDX	KO8SCA
JH3AIU	KG9Z	ZL4AS	KD2T	US1CT	KV1J
JR1EBE	N1JP		KD6UO	W4ZRZ	LY4T
K2PK	N6HC	119	KG8CW	W5JMW	N0IRM
K3XO	SV1AHX	AA3AZ	KV4AA	W6SL	N4OA
K4ZIN	UQ1GWW	AJ4A	LZ2HM	W8ZR	N8KOL
K5GH	UT4EO	CT1FCX	N2MM	WA2USA	PA3AXU
K7UT	UU2JQ	DK3GG	N3NR		RZ6MJ
K9CS	VA3AYA	EW4M	PY2PA	116	UA1ANA
KV4T	W2GG	G4DJJ	RN3TT	AJ4F	UA1CGS
N2ED	W2TB	HB9AAQ	SP6JIU	DL7URH	UA6XT
N4DWK	W3RJW	HB9BCI	SV9COL	EA5BRE	UN6T
N6MZ	W6XI	I2TZK	TA2RC	EI2GLB	VE3YF
N9JV	W9YE	I4MKN	VK4CAG	HA7PF	W1OPD
N9LQ	WA1PMA	IU0LFQ	W1KSZ	IK0EIE	W9XX
NA2P	WY1G	JA3AZD	W4DAO	IK2OHG	WA7BNG
S50B	XE1VIC	JA4XGC	W4NF	IT9TQH	WP3R
UA3DK		JE2JMV	W4NJ	IV3HYD	YL2CZ
UT3QU	120	JH6CDI	W8FIB	JA1WTI	
W1AO	9A5F	K5UZ	WT4Q	K1DC	114
W8NJR	AC9EM	K7EG	YO4AUL	K1RI	AA4DD
WB8K	AL7TC	K8KWT		K3FRK	BA4DW
XE1H	DL2VWR	N0KV	117	KT1V	BA7IO
	FG5FR	N4LR	9Y4VU	PA0JSE	CT3FN
122	HB9BLQ	N8PW	AE0P	RV3ID	CU3AK
G3NDC	HB9DHG	N9UA	BH4IGO	TZ4AM	DL6NB
HA1RB	IZ0LKV	NT2A	DL1DWT	UA4PCM	F6CWA
JA1MRM	IZ5NFD	NY7T	IT9AAI	VA7CRZ	G3SDL
K1ESE	JH4GJR	OH5NG	IT9DAA	W1ENE	HK3PJ
K1YT	JR6LLN	OK1DT	JA0AOO	W1WEF	HP3TA
K2MP	K2BA	R6FFB	JA1HQT	W7GG	I5OYY
K7ZA	K2HK	SV1ACK	JA4FM	W7OEV	IK7YZG
KR0P	K3QIA	SV1IW	JA7GYP	W8LRO	JA2KNW
LA7WCA	K5JC	W0QQ	JA7IC	WQ5L	JA4KDT
LA8PT	K6FW	W0RX	JM3GXU		JH1AGU
N9AW	KA8ZPE	W4HZ	JR2UBS	115	JH6WMJ
NA9RB	N0OK	XE1RCS	K1BZ	AA5JF	K1RV
NN7X	N4BAF		K2BB	C6AGU	K2DC
OE3SGU	N4TB	118	K6PJ	CU2CE	K3MD
OZ3Y	N4TL	5T5PA	K7PI	DL9GOA	K3OSX
RD4A	N4UFP	AB2E	K8OOK	G4XEE	K5RJ
UU4JMG	OE3EVA	AE3T	K8QM	G8BCG	KB8U
VE6AX	OZ2A	AG1A	N2BJ	G8DX	KZ4V
WA3I	PZ5RA	DL5OCE	N3ND	HA5UK	N1QY
	RL3BZ	HB9RYZ	N4IR	IZ7JVR	N2JJ

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N4IQ	WS4C	W8HMK	WB9EEE		JE2UFF
NU8Z	WX3P	W9SE	YL3DQ	109	JJ2PIK
UA3FT	XE1RBV	WA8MCD	YO6HOY	DF1KG	JK1MZT
W0VX	ZL1BYZ	WA8OLN		EA3GHZ	JR7FRW
W4TUN		WT9U	110	EU4T	K1EP
WA1FCN	112	ZP6CW	CU3AN	F8EZE	K1XM
WA9YYY	A92IO		DG7RO	G3SVD	K2KQ
XE3ARV	DJ1RL	111	DL1VDL	J68HZ	K2MK
	DK5RL	AA4U	EA5BYP	JA2CXF	K4WY
113	DL5CL	AB4GE	F5BAR	JA4BXL	K6UT
9A1A	EA1JO	AF4OX	G3LNS	JK1EXO	K8OM
BA4RF	EI8IU	DK2WH	G8AJM	K2ONP	KM8AM
DJ5DT	EW1DO	DK6ED	HB9EFK	K4RDU	KN4JX
DJ9RR	G3XGC	DL1HRN	HC1BI	K5KA	LU2DKT
DL8CM	HB9CRV	EV1R	I2BBJ	K6MW	N1BZ
DL8DYL	HB9G	F6ECI	IK5RUN	KC2STA	N4MEC
EA5KA	IZ4DIW	G3PLP	IK8UHA	KE1F	N6RFM
G4AFJ	JA1SXR	G4DBN	JA1OVD	N8NN	N9TF
JA0GCI	JA2HYD	HL3GOB	JA9KRO	N9ISN	PA0ZH
JA4ITW	JA7BXS	IU8FRE	JH1VHU	ND4V	R5FY
JA5WIZ	JG3LGD	JA1AUD	K1EO	NN4RR	R7LA
JH1ORA	JI4WAO	JA1FGB	K3JRR	NU4I	RX6DX
JH3GCN	JR7TEQ	JA1NCZ	K3PH	NX7U	S57J
K8SL	K0JPL	JA5FDJ	K4WW	PY5CC	SM6AOU
K9GWH	K0TPP	JE2EHP	K5WAF	RW4UU	UX7UN
KA4RRU	K1KO	JE8TGI	K6MI	RW9QA	UZ6LWZ
KH6DX	K3NF	JF2WGN	K6VKO	RX3AGD	W2UB
KI0G	K4UAS	K2HAT	KB4MRX	TG9NX	W3NRJ
KT1J	K8CC	K5CD	LZ1PM	UB5ZAL	W4ZYT
N4DJ	K9FN	K7ORK	N2CG	UT7KF	W6KK
N7KO	KB2FCV	K9AJ	N3HBX	VU2CPL	W7ACD
NA3F	KI4DLS	KM1R	N3IQ	W0VHF	W9HBH
NG0G	KM1C	KZ0X	N3JB	W5WP	WA2ALY
NI5F	KM3T	LA0CX	N4KE	W9FI	WA4CEM
NK5B	LA8HGA	N4WJ	N5BO	WB5TUF	WA8MOA
R7NA	N5ZC	N7BD	NC6K	WC2K	WC1M
RA4UN	N6MA	N9HF	NY4I	WN0L	WD9EQU
RZ3AUL	N6PE	NA1DX	OZ1LCG	XE1FAS	WW1WW
SM5ARL	RU4SU	UR6QA	RD9M	YV3AGT	
SP3EPG	SM3DMP	UT1UY	SM5BHW		107
SV1FKZ	UA1ACG	VE6KC	SV1VS	108	4Z5LA
SV1JFV	UA1CEI	VE7CT	UA3O	AI2Q	DJ8ES
SV2AVP	UT6UD	VE7UF	US7MM	AL7R	DK3FB
UN7TW	VE7XF	W3FOX	W0UY	DL6CNG	DL2CHN
VE3KI	W1HEO	W4HOG	W3XY	ER1LW	DL5XU
W2GW	W2CVW	W4OX	W4DC	G3VAO	DO4DXA
W6BK	W2SKI	W5AQ	W4NE	HB9BAT	EA5AT
W8FAX	W3MR	W7VS	W5VY	HB9CEX	EA7QW
W9DX	W3UL	W8KA	W5ZPA	HB9FAN	FG8OJ
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WA4DOU	W5VX	W9RB	WL7E	IZ0BTV	G4RGK
WB2HJV	W6TC	WA2BOT	YU7AU	JA2MOG	HI8R

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IT9XTP	JG3HBO	DL6XK	CP8HD	RZ6LB	K8CCV
JA5EY	JG5RVQ	DO1CTL	CX3CE	SM5CCE	K9MUG
JA8JTH	JH2KKW	ES1GO	DK3BK	SM7CQY	K9XJ
JH9DRL	JJ0NCC	G3YUV	DL4FAP	SO5AS	KE1IU
K3SW	JR0EQQ	HA8FW	DL7UPN	UA9FGJ	KJ4R
K3YBN	K0DEW	IZ2EWR	E73D	US5CAO	KJ7WY
K5FZ	K1PX	JA1BWA	EA8ZS	UT4EK	KM9E
K5KPE	K2CJ	JA1TAA	F6AJA	UT7EC	KP4AA
K8LBT	K4DSE	JA6VA	F8GB	UX4UM	KX2A
KE2R	K5AM	JA7BME	G3BRD	UY0MM	LA9GX
KZ1W	K5ZQ	JA8RRF	HB9CIP	VE3VHB	LX1DA
N2RR	K8JJC	JA9APM	HK3O	W0YBS	N0RU
N3DAP	KQ3F	JF1RYU	IK0DWN	W1QA	N1HOQ
N4RF	N0JZ	K1DJ	IW0HEX	W3DRY	N9BBQ
N6EE	N2CW	K2XF	JA1SDV	W3TMZ	N9SF
N7TY	N2WLG	K4MS	JA2FGL	W5CWQ	OH3GD
N8AGU	N3XM	K5AV	JF1EGO	W5GJ	OK1DQT
NA5Q	N8AID	K7OX	JF6WTY	W5ZO	OK2BQU
OE1CP	NA5Z	K7PO	JK1BSM	W6PH	OK3BRK
OK2BUZ	NI5M	K9RO	JO1WXO	W7DR	OZ7JZ
OK3CQR	NS3L	KI5T	K0MD	WA0I	PA0GMM
R0FA	NU4Y	KT2E	K0WK	WA9ETW	R9GM
RN4AA	OE5CSP	LZ1JZ	K1BG	YC0LOW	RA0FA
RV6ARZ	OK1AYU	N4JI	K2BLA	YO5ODE	RA4HT
SP3BQD	OK2BVG	N4NW	K3FM		RK3QY
SP6AXW	S57AL	N4SC	K4KEW	103	RU3OW
US5CB	UR3CRO	N4VN	K4MF	AG1I	SM3CBR
VE3OI	UT7UU	N6NU	K4VIG	AI3Q	SM6EHY
W3KB	UU5WW	ON7PQ	K4YJ	DJ1MM	SM7BHH
W4UCK	V73AZ	OZ4AAL	K5HK	DJ7PI	UA3PFN
W6TDX	VQ9SS	PF7M	K6UM	DL2HX	US2WU
W8VK	W1CWU	PJ2/K8ND	K7TJR	DL8YRM	UT2AB
W9CPV	W2EQ	PY2DS	K9EA	DM5TI	VA2ZO
WB6CJT	W2LE	R6YY	KA2BZS	DS3HWS	VA3IC
WB8ART	W2NO	RA6AF	KH6KG/W5	EA7SG	VE3EDY
WS1L	W3ICM	RD4WM	KI0KB	EU6MM	VE3MFA
XE2YWH	W4IR	SP5JXK	KK9H	EW3LB	VE3VV
YL1XZ	W5JAY	UA6LCN	KW0A	G3BDQ	W0UVC
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	W8OP	UR2RGN	N2SQW	G4PUQ	W4AVY
106	WA4MYO	VE1PZ	N3ER	G4VGO	W4MZ
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AE2U	WC6DX	W1LY	N4TTE	IK2ANI	W5VU
DJ6OZ	YL2GN	W4OWY	N6PF	IZ0CKJ	W6SZN
DL1QQ	YU3EF	W5KI	N8MZ	JA2GQO	WB8BZK
DL2NOM		W6FF	N9DR	JA2OLJ	YO7APA
DL3JSW	105	WQ5W	NJ9C	JA8EJO	
EA3CCN	DF2PI	YU1NR	NK7C	JH1DGQ	102
HA8DZ	DF8AA		NN3Q	JM2RUV	A6/RV6LNA
IW3GJF	DJ3XD	104	OH2OT	K2UVV	CT4BD
JA1VLK	DJ6KH	9M2AX	RA1QX	K4LQ	DK3QM
JA2MNB	DL4ZAB	AD1C	RU3UR	K5JUC	DL3DXX

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DL4CW	UA1AIR	K3SEW	UT7HA	IK0HFO	N9ADG
DL4KUG	UA1CKC	K4SAF	VE2OJ	IK4MSV	NA6O
DL5RDI	UA6HOF	K6AAW	VE3XB	IS0/YO3RA	NA9Q
EI4DQ	UA9MR	K6XJ	VK2GR	IW0BYL	NB3R
ES5RW	UA9UCO	K7AR	W0QC	JA1BRK	NG7A
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IZ4MJP	W2LW	KC4PX	W4BUE	K0FLY	OK1DXD
JA0HXV	W2TX	KD3UY	W4PM	K0XM	OK2PAZ
JA4EVN	W3EKT	KE1VT	W7AV	K1NA	ON4ANN
JA6OXT	W4ALF	KE4S	W7CB	K1NZ	ON7EH
JA7EPO	W5TO	KF7NN	W8GB	K2CBI	ON7GB
JA8OW	W7IUV	KN6J	W9MAF	K2CYE	ON9CC
JR1BAS	WA0IDK	KQ1F	W9ZCL	K3TZV	OZ1ZD
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K7BHM	DH2FW	OA4TT	100	KC4D	S53MJ
K7UA	DK9WI	OE3WQB	9M6YBG	KC5LT	S59DJK
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KJ6NZ	DL5JS	OK2BOB	AB4VV	KQ5M	SV2DSJ
KN4KL	DM3ML	OK3EY	AC4VM	KS4XQ	UA3AKI
KW4BY	EA1WX	OK4MM	AG4Q	LA6UL	UA4PAY
KY6R	EU1TT	ON4LG	AI2S	LA8W	UA6CEY
LA3ANA	G3ZFC	OZ5HP	DJ6OI	LU5OM	UN6P
N5RZ	G4FJK	PA4WM	DL1TPY	LU5YF	UR4CW
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OK3CSQ	JA1VVX	RK9F	EA3ALD	N1MD	VE3OAT
ON5UE	JA2VMU	RY6M	EA8AXT	N2DPF	VE7JKZ
PA7TWO	JA6TMU	SM2DMU	EC5A	N2SG	VP2VA
PV8ABC	JA7SFD	SM7NDX	EI9E	N2XQM	VR2PX
PY2DO	JF1RPZ	SP7JLH	ES5NC	N3AF	W0GYH
R2AB	JH3HGH	SV1PL	FM5GU	N4CRI	W0MU
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RU3UN	JI3KDH	UG6GAW	G3OIL	N7DED	W1YRC
SM6WET	K0LW	UR7CQ	G4CGG	N7TK	W2CCC
SP5MXZ	K1YR	UT1CC	GM3ZSP	N8IL	W3BBO

W4HHN
W4OV
W5BK
W7DT
W8CNL
W8FN
W8GDQ
WB4SON
WU2M
YB1TJ
YL2SM
YO9FLD
ZP9MCE
ZS2DL