

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 21 Nov 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	315 IK4WMA OH3SR S50U W1JR	309 UT5UGR W5IZ	JA1BK JA4LKB K1UO SM3GSK YU1FW	298 9A2AJ IK2DFZ OZ3PZ SM5CEU
341 EA8AK	324 K2TQC OH2BO W1NG	314 4X4DK IK4GME K5RK N1DG NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG SM6CVX	302 DL4MCF GM0GAV GM3YTS	297 DK5PR N4CC OE6IMD OM2XW RA3DX W0FLS
340 K1ZM	323 S50A SP5EWY		307 DJ7MI OH5VT RZ3AM UT3UA VE3EJ	301 DL9KR LZ2JE N1RJ N3XX S54E	296 DF2UU F5NTV G4PWA OE1WEU ON5NT W1JZ
334 N4WW OH2BU	322 EY8MM K4PI UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	306 K4CIA N4RJ SM0AJU WT3Q	300 F6BKI G0JHC G3KMA I2ZFD PA3FQA RC3FL SM3EVR SP3EPK SV8JE VA3EF	295 JA2JPA K3UA
333 R7LV	320 SM4HCM W8UVZ WB9Z	312 OH1MA	305 EA6SX JA7NI K4ZW N4IS		294 JH2FXK LA5HE RJ3AA
332 UR0MC	319 K8MFO N0XA SM4CAN	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A	304 NN4T UA6A	299 JA4DND K4TEA N1BUG SV1FJA UX1UA W7UT	293 DL1AMQ S58T SV8CS
330 AA1K HA0DU K5UR LZ2DF OH1XX UT7QF	318 W9ZR	310 I4AVG KJ9I SM5BFJ SP2FAX	303 CT1EEB DJ0MDR F5LGE		292 G4BWP JH4UYB
329 K3UL UA4HBW	317 W3LPL				
328 R4GM UA4CC	316 W2VO				

JR2KDN	286	279	K5BG	265	RN3CT
OZ1BTE	DJ2YA	IK4DRY	KF2O	AA1V	VE3QAA
SM5AQD	IK1GPG	JR7VHZ	MD0CCE	AA4V	
SV1AOZ	K3SX	N2TK	RA3DA	AA7A	257
W3YX	N3SL	UA6MF	SM6CCO	G4OBK	IK5HHA
W8TOP	PA0WRS		UA3DPM	RW0LT	K1GUN
	UT7UW	278	UX1AA	YO5BRZ	SV8BHN
291	W8AV	DK0EE	W6UB		W9YSX
9A7V		F6BEE		264	
DF3GY	284	JA3FYC	272	AA6YQ	256
JA4LXY	K5XI	K5DU	9A2EU	K7ZV	9A5CY
KD9SV	UA3AB	KG4W	CT1EKY	W1GL	JA5BZL
N0TB		N5DG	DL1DUL		JH1GZE
R7NW	283	UR5WA	DL2OE	263	K1QX
SM3NRY	CT1APE			IZ1ANU	K5VRX
SP3E	G4CCZ	277	271	K9OW	K8FL
UA3LAR	HB9BGV	AA4MM	EU7A	W2SM	N5KD
UT7UJ	NA0Y	DJ9VA	G4GED	W3AP	N8TR
	NO3M	F6AOJ	HB9AMO		PA7MM
290	R3OK	IK5BAF	OZ1CTK	262	W1TSP
IZ0AEG		ON7TK	SP6CIK	G0DQS	
SM6CMU	282	SM6CNN		K4XP	255
SP3IBS	DL1YD		270	KR9U	G3ZSS
UA3AKO	I0WDX	276	OE5KE	SP9JZU	K4QL
W5ZN	JH4IFF	DK5WL	SM5KNV	W1YY	KY7M
	K4SO	DL7VEE			N2MF
289	K8KS	G3LZQ	269	261	UX0FF
I5NPH	N2LT	N8RR	IK6DLK	9A4T	W3DF
JA3ONB	N7NR	N9IW	JA5AUC	DL9YX	W5OZI
K0KX	SM6CTQ	OK1AWZ	K6ND	K2EK	
K4WM	SP3DV		KD5M	K5KC	254
N8DX	US5WE	275	RV3LO	N6SS	N0AT
RX4HZ	UY5ZZ	9A1CCY	W1ZC	NO8D	OM3DX
US4EX	W0BV	K2UO		SP1S	WA4FFW
	W2YC	K4IQJ	268		
288		OH3BU	DL5DSM	260	253
PA3GCV	281	SP5CJQ	G3WPH	EI7BA	5B4AGN
RA3CQ	DF2PY	SP9DWT	RA3XDX	K1LT	K5ESW
RY9C	JA2PJC	UW2ZM	RK4FD	K4DY	RU3FM
SL0ZG	JA5EXW	VE2TZT	W1MK	KX4R	S58Q
SP7VC	K1CP	YO3APJ			UA1OMS
UA4LY	K9CT		267	259	W0YG
W0JX	S59Z	274	LU8DPM	DF4PL	
WK3N	W4TO	G3TXF	RZ3DX	EA5BM	252
		IK4CIE		F6GCP	EA1DR
287	280	K1ZZ	266	I1FQH	IV3YYK
DL1RWN	EA6NB	SP6AEG	K8PT	IK2YCW	JF2MBF
G3XTT	HB9BIN		LA3MHA	N3NT	JG3QZN
N2QT	NJ6P	273	NR1R	R9FM	LA5IIA
VA3DX	SM4DHF	F5NBU	R3LA	SP5DIR	PA4VHF
W4PK	SP6HEQ	IK8HJC	W8TE		S52F
WD5COV		JA8ISU	W8XD	258	W3UM
		K2CL		KW9A	

251 DJ7RD DL9RT JA2VPO JH0BBE N4II ON4AOI VK4MA W3KX W5UN W7LR	N9US RL9F RY7G	UR5MID VO1NA	VE3XN WA7NS	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	US0SY VA5DX W7KW
250 HB9RG NQ1K OZ8BZ PY2RO	244 AG9S DK6WL IK0XBX JA1HGY JA7QVI K9RX ON4IQ	239 F6BLP JR3GWZ JR3IIR K0KT KH6AT LY3UM RN3QN SV1ELF	234 AC4G AJ6T K4UTE KF0QR PY1BVY	228 AF9H AI0O EA1N K4HB OH2BEN VE3DZ	224 DL5WW IZ1LBG JA9CHI N8BM ON4GG SP5INQ SP8NR VE6WZ VK6VZ W2RQ
249 AI9L I1EIS JQ3DUE K9NW SP5DRH	243 AB3CV DK2JX DK3DG IV3ODE JF8QNF NN4X ON4ATW S57A W9RPM W9XY WX4G	238 DL8WN IK0XEZ JA0CRI JA0DAI K1HTV VO1HP	233 AB4I JA0FSB K0CS K1AR KA7T SK3PY UA4HAU VA2WA W7AO	227 DL7HU E72A ES1RA IK0HBN IK6FWJ JA1UQP K1FK K3NW KD0Q N2WK NV9L W1TC WB6RSE	223 AB0X HA7TM I3BUI JH2TPI RT6T SV2JAO SV8CKM ZS4TX
248 K3WW K5RX N2NL R5DT SM3VAC T77C UT9FJ W9NGA	242 KG7H R5AJ	237 AA1QD DL7MAE IK0MHR K1DG NI0G OM4EX SV1RK	232 JA8EAT K2AZ K2UU K4XL NI6T UA3AP UR5EDX W3LL	226 DJ5FI JA6BZI JF2KOZ JR6EZE K9FD N6AR N6JV UT5JAJ	222 DF6PB IV3JVJ K3SV K6EID N5AW N8PR N9BX SM0CCM W9BF
247 K6XT NO2R R7IA WB3AVN	241 EA4KD JA1SYY JA3EMU K2FF K5ZK N4XM N5TY N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	236 G8VR JA5MHD K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK YO9HP	231 4X4NJ EA6VQ HA9RE IK0YUT JH1HGC K5EK N7NG ON4ACG S51DI W9IXX	225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6 N4CH RA3QK RV1CC RW3XZ SP3CGK	221 DJ8NK K4MWB K8FH K8SIX N6VR SP7GAQ W0VTT W1ZK W6JRY WS6X
246 DJ2TI K0IEA N6TR TF4M W2TQC W5XZ	240 K0JUH K1FZ K1ZG K9OT LA2XPA SV8GFW	235 CX6VM EA6ET JH4ADV K3SWZ KA9CFD N6DX OK1CF R7DX RA0FF RU3QR	230 FK8CP IZ8FFA JA1CMD N8JV SM3NXS W4GF W4VQ		220 AG8B HB9LCW HL5IVL
245 DL4CF F2JD JA1GV					

JR4OZR	N7JW	RU3SD	KG9N	OK1DOT	UA0SR
K8ZTT	W0UO	UR5FEO	N8DJX	R9TO	W2IRT
KA1R	W2LK	WA5VGI	N9AU	UA9FAR	W8HB
N1LN			SM6BZV	W7DO	
N5JR	214	210	US0KW	WA2HZO	197
VE3EXY	HL3IUA	I8SAT	VE3BW	ZL3IX	G3SNN
	JA2JW	JH0INP			HB9DDO
219	JA2WYN	JJ2LPV	205	201	I5KKW
IK3VUU	JJ3PRT	LA4GHA	I4KDJ	AA5AM	JH2UVL
JA2FJP	K3JGJ	UW7LL	JA3AAW	CU2DX	K8NVR
LB8DC	K4NA	W7JW	K1DT	DL1EJA	LA5YJ
N0AV	OK1DX	WS9V	PY2XB	F4BKV	OE4PWW
OE8RT	ON6YH		W8UN	JA9NFO	OE5FIN
RA3WDK	RN7G	209	WB8ZRL	JJ2KXK	ON4CD
SP4K	W4NL	AD5A		K3HP	RZ6FA
UT7UV	W6YI	DL5CF	204	K5MC	UA0SC
WA2UUK		DL9MRF	DJ5AV	LA7GIA	UT5EL
	213	EU1KY	IK7NXM	N4QS	
218	DF2IS	F6DAY	KK4SI	UY1HY	196
DJ4PI	DL7BA	HB9DDZ	LX2A	W5TCX	4Z4DX
DK0PM	EI3IO	JA0UUA	N4NX		AA4HP
IK1YDB	HA1RW	N9LB	N7FU	200	AG4W
JA2FBY	JF6DSZ	VE1DX	US6EX	JA1GTF	DK2LO
JA8CDT	K1ST	VE3LYC	W2HUV	JA5AQC	F6EXV
JF3KON	NA2M	W0ZR	WD8PKF	JA9FPI	IK4PLW
K0EU	RU4SO	W1ECT	WF4U	JH2RMU	JA4PXC
K5UO	W0LYI	W7KNT	WI8A	K1GE	K8PO
UT4MF	W1FJ			LA7HJA	KA9FOX
W5PJR	W2WG	208	203	RA3S	KP2A
WA7NB	W3YY	G3NSM	HB9CXZ	RW4NN	ND0N
		JA7MSQ	IZ8VYU	RW7M	RA9CMO
217	212	K2FU	JA2XYO	UY0ZG	RZ4FO
JG1ULJ	AA9A	N5ORT	JE1PNX	W0DD	SM2OAN
K5PC	DK2NG	RU3ZX	JF4VZT	W0MHK	W0FS
MM0EAX	DL9GFB	UN5J	K4XO	W3GG	W2FCR
UA3AGW	K4MQG	W6PJ	K8AC		
	K8ZH	W9EWZ	K9MMS	199	195
216	KE9I		KK2I	JA2DPC	G3ZEM
JA2NDQ	KG6I	207	PA0A	JA2JNA	JA1EOD
JA6LCJ	LA7JO	I4LCK	R6AF	JO7WXN	JN7FAH
K5EJ	N1ZZ	K1LPS	W8GC	K1GG	K7SO
N5UL	N4MM	K3JT		K3LR	K9RT
OE1ZL	SM5CZQ	K8EUR	202	K6GXO	KF8UN
RZ0AF	WB9CIF	PY2BW	DL1MGB	N4DW	N1SV
W0GJ		W0LS	DL2KQ	N5ZM	W5ZG
W6XA	211		DL9DRA	OZ1AXG	W9OP
YO7LCB	IK4DRR	206	EA1RT	W1TO	
YU3AA	JA2IVK	DM5EE	JA3CSZ		194
YV1DIG	JA4DEN	IK0IOL	JH3VNC	198	EA5RM
	K3WA	JA3PIS	K2NV	DL1ROJ	K4KDX
215	N4PQX	K2VV	K4JJW	G3UJE	K9JF
JA9PPC	NX0I	K5AQ	LY1G	G4BUE	KB9LIE
JH1IFS	RA1QD	K5RT	N7KA	IT9JNR	KC9ARR

W1NT	KF7PG	NE1B	VE3OSZ	K3WC	RN7F
W2LO	KM1D	WA3C	YO2DFA	K7GM	UA3LNM
W9OO	LA7AFA			K9NU	W8UV
WD8JJA	N5GH	185	180	N4XU	W8VVG
193	SP2LNW	AB6QM	DM2DXA	SM6DHU	WT8C
DL5ZB	VE7VV	EA6BF	DM3VL	W2OR	173
DL6ZXG	XE2X	G3KWK	K2EP	W5LT	5B4ALJ
EA3WD	189	IK3SWB	K6SSS	W7FI	I1JQJ
HA5BSW	9A2F	JA8DNV	K7BG		IK4ADE
K4ODL	CT1IUA	K5ZD	LA9AJA	176	JA3ENN
K9YY	EA8PP	K9US	N1RR	EU1AB	JA9TWN
KV7K	FM5CD	N4TJ	N4AH	HK3W	JL1SAM
N9EN	FM5CD	N5UR	ON5FP	I6FLD	K1NTR
NK1K	IK0FVC	OE2BZL	UT2UB	JA0DET	K5GKC
PA0LOU	JA1XEC	SV1DPI	W3YQ	JA2ZL	KA1J
RN1ON	JA3RAR	UA9CBO	W8TN	JA5IU	N5FG
UA0CA	JH1QAX			JA6BJV	PY5EW
W4FC	SP7HOV	184	179	JA8KSF	W8HC
W9MU	UA7T	AA1ON	I2AOX	K8MN	
	WE9R	JF1NZW	IT9ELD	N5OK	172
192	188	JF1PUW	IW0SAF	RL3FA	G0BLB
DK1FW	9A2NA	JH1RFR	JA2BDR	W4BP	G3NKC
JA7JWF	AB4IQ	K4HGX	K4CN	W4GD	IZ5MOQ
K3FN	JA1KQX	K5KLA	K8WK	YO7NE	JA3FGJ
K4FJ	KB0EO	KB4ET	OK1MG		JG3IWL
K5XX	KB1EFS	KL0S	S57UN	175	K0DEQ
K9EU	SM7GIB	S57AC	SM4DDE	JA1CHN	K1BD
N4DB	W6SR	US8UA	SV3FUP	JS3CTQ	K4XR
N5LZ	W8JV	183	W1RM	K4DLI	K6FG
W3UA	WA6YEE	CT1FMX	W2YJ	LA0FA	KJ0M
W4UM		CT3MD	W7BEM	N7IR	W4FQT
W8LGJ	187	IT9INO	YL2TW	N7XR	
191	AJ1H	K8VC	178	SM5FUG	171
G0OIL	DF2GH	KE9ET	EA3CJ	SP1MGM	AA9D
JA0EOK	K0SR	LA3WAA	JA0VSH	VE3FF	DL6KR
K8FC	KN5O	NN2L	JA2LCP	W7MEM	G0EHO
K9LA	N2NS	ON6SAS	JA4MRL	WX0V	JA1PPW
KB8VAO	OK1CZ	W2FP	JE2URF	174	JA6HUG
RK2FWA	RM0F	W8NW	K2UR	4Z5CX	JR1TNE
RX3APM	SM0NJ0	182	K8RRT	JA0GJJ	K9YC
WA2VYA	W7AWA	DJ9ON	NE0U	JA2XW	LA5LJA
WN6W	186	DK3UA	SM7DLK	JA7MOL	N4OGW
190	9A8A	JA1SHE	SV1JG	JF7DZA	N7RO
EA3JL	IK2QPR	K0BBC	W6NWS	JK1OPL	N9RC
IZ8XQC	IZ8FWN	OH2IS	177	JR6PGB	SV1LK
JA1ANR	K0BJ	UR3EO	9H1SP	K0TT	WB7B
JA1DUH	K0JGH	W1YM	AE5E	K2KA	ZS1LS
JA1MCU	K3PA	181	CT1EAV	K3AJ	
K2TE	K6SRZ	DK3WW	EA8JF	K4TR	170
K9KU	K7LAY	N3OC	HA5WA	K4WS	DJ6TK
	N8LJ		JE1BMJ	OE1WHC	JA6JPS
				OK1DWC	JM1GYQ

JR7BDQ	RN9N	W7YAQ	DL1DA	EI6FR	HB9TKS
K6ZZ	S51EC		EC3A	G3TQZ	JA8NFV
N0RN	SP3FAR	163	HB9DHK	IZ4DPV	K0KVR
N4PY	UN9L	DJ9HX	HB9FMN	JA1GHH	N3RC
SP3GTS	VE6WQ	JA9NLE	IW2FND	JA9APS	W1NA
SV3KH	W1YW	JG0CQK	JA2EPW	JH7IAJ	W2XI
W8KEN	W3IP	JH2SON	JE2LUN	K9GA	W5DNT
W9AJ	WA0MHJ	K8TL	JE2OVG	LY5A	WS7L
W9EVI	WA4LOX	UR4CWQ	JF2XGF	N5MOA	YS1RR
WA3AFS		VE3CFK	JR7MAZ	NE9Z	
	166	W6RW	K3MSB	RN3OG	153
169	4Z1UF	W7AL	NR4M	RU4UR	AJ9C
HA9PP	DJ4SO	WP4U	RU6L	SM3PHM	DL3ZA
IK0PEA	IV3TDM		SP6EQZ	SV8ZS	EA5BY
JR1IZM	JA1FNA	162	SV2AEL	W2TA	G3TJW
K1LI	JA9LJS	4O3A	UA0FZ	W5GZ	HL2CFY
K1NU	K3KY	9A4W	UX5UO	YV2IF	JE3GRQ
N4XX	K4JLD	CT1GFK	W1BR		JF1IRW
N7US	K4PB	F3AT	W5XC	156	K4RG
PE1L	K4ZYU	I2ZGC	WX0B	DL4MM	K8VFX
RA3DNC	K9MBQ	JA6GIJ		F6HDH	N4TV
UT8MM	RM3DA	JF1WPB	159	IK0AGU	N5TW
UY5AA	W1RR	JF2UPM	JA4FKX	IK0FUX	N8II
WB3JFS	W8ILC	K1KI	JE2LPC	IZ8IEV	R9OK
	WA8TXT	LB6KC	JH6QFJ	JH1TWT	SM6CLU
168		N8MR	JH7CFX	JH2QMT	SP5CCC
4Z5MU	165	W0HT	K1KA	JO7HAM	UT5UY
G3MXJ	CT1FPQ	W0TT	K4RO	K8YSE	WB8BPU
IK2EGL	DL7UCX	W1LW	W6BJH	KS1J	WE1P
JA1ADT	JA6VQA	W3JX	W7SX	N3UA	
JE7JDL	JE7RJS	W4DKS	W9RN	N4HB	152
K5QY	JN4MMO	WW3S	WA9PIE	UA3SAQ	EW2A
K8RYU	K5JZ		WD5BJT	VA3LX	JE3ENP
KR4F	KI5BLU	161		W1YIF	JR9OPJ
N4QQ	KK4CB	DK2GZ	158	W4TV	JT1CO
N8BJQ	OH2BLD	DL6RAI	DJ4PT		K7SP
PA7F	SM4CTT	JA1DOF	DL1FKA	155	KS3F
SP5GH	W0DJC	JH4CPC	J11FXS	AB9V	N9OY
TF3SG	W5BN	K1USA	J11NJC	DL1RK	S55ZZ
W4SVO	WC5N	K5GO	JR1GJP	DL6MRS	UA6IGI
W6VX		K7NN	K5TT	K2LS	UT5AB
W8OI	164	K8ND	OZ1HX	K4WA	VE6LB
WA5YNB	GU4YOX	LB2TB	RU6M	NE0DX	W1SKU
	HA7UW	N4GN	SM4EMO	NW7E	W1VT
167	HB9BZA	OH6RA	W0SZ	RC9F	W6RLL
DK5AD	JA1RTX	RW3RN	W1OX	SM6VR	W7AJ
K4XD	JA7ZP	VK3HJ	W2XL	ZS6EZ	WB3CQM
K6KO	K1NJ	W8WEJ	W3GQ		
K8NK	N5WA	YU2TW	W4QN	154	151
N0IJ	N9FN			3V8SF	DK2OY
N3BNA	NY0V	160	157	DK1WB	EI9JF
PA3C	RA3ZH	9A2JK	AA4H	G4GIR	F3SG
RA1AOB	W4NS	AD5Q	AC6DD	GM3PPE	JA6BEE

K2FW	EA7TV	KF6HI	WD9DZV	N8OC	W1GD
N1EN	F5CQ	LA6OP		OH6NIO	W2YE
N5JB	F5LVL	N1CGP	142	OK2ZV	W4YV
OK1ATP	HB9BUN	N4GG	HB9SLO	ON7DR	W7OM
RD3A	JA2VQF	RT0F	I0JBL	PC3T	
RU3A	JH1QDB	SM3DTR	I5HOR	UN1L	137
S54A	KR2Q	W1OP	IT9BLB	VE6SV	CU3EQ
SP7AWG	N2WB		JE1FQV	W0SEI	GM3YOR
SV9AHZ	NE3F	144	JE2DZC	W4NU	IZ2FOS
W7RH	W5FKX	AA6AA	JR7WFC	W7IV	JA3APU
WA1Z	W9JJB	DL5KUA	K3PP	W8LWU	JA3OOK
		E70T	K4WZ	YL2MU	JA5XAE
150	147	EI6IZ	K5VWW	YO9FNP	JE6TSP
DL4SXB	AA7G	GM3ITN	KQ4AV		JR1XIS
IT9DSZ	EA3GP	HB9BYQ	LA9VFA	139	K2QMF
IV3RAV	HB0CC	HI3T	MM0SAJ	CU2AP	K8NS
JA2NQG	IV3VBM	I5MXX	N5XZ	DF7EE	N2PK
JH1NYM	JA1SVP	IT9GSF	N7QT	DJ4XA	ON6AA
K0RS	JA1XQC	IZ4GWE	NA4D	DL5CW	RA3CO
K7LV	JH4ALY	JA3GN	NQ7R	DL5EBE	RG7G
K8AJS	K2AX	JR3OEH	NY2NY	DL8OH	UU1JA
KU4XO	K8UT	K0VSH	OK1DO	JA1TMG	W1ITU
N3QE	K9MK	K5TR	W2OO	K1CA	W2CG
N9CO	KM1H	N1IX	W5LUA	K3ANS	W5ODD
N9MB	N1IBM	N3KK	W5VQ	K6AM	WB5JID
OE8SPW	UN7LZ	SM4OLL	W7ZI	K8RF	WO2T
UA6YW	W2KKZ	SM5CLE	WA5POK	KD0PO	
W6DAO	WW2DX	W2/CT1GIF	WB8CQV	KU0A	136
W7CT		W4GE	WP4G	LA8WG	DS1JFY
WA2BCK	146	WC5M		OK1MP	E72U
	F5PAC	WD5T	141	OK2QA	ER0FEO
149	G4FTC	YO3CD	DL5MHQ	SM5CBM	IK8CNT
DL7CX	JA1HQQ		EW1BA	SV8ZC	JA4OK
IK4FNF	JA4DHN	143	JA1PTJ	W0SD	K0TV
IZ3ENH	JH1GNU	DL1DUO	JA2ATE	W5ADD	KR6C
JL1ARF	K5KV	DL6EN	K2RW	WA8WV	N2ZN
K3RA	K5SM	HB9HFN	NJ3K		N6PSE
K3TN	K6NR	HS0ZEE	SV3FUO	138	OK1DW
K4YYL	K7WP	K0QC	W3BW	DK8MCT	SM5OJH
K8ME	N7BT	K7CMZ	W4JVN	DK8YY	SP2BMX
NX8Y	RU0SN	K7CW	W4VIC	EI9FBB	UT3UZ
SM6CUK	W1IZL	K8ROX	W8HW	EU4A	UW8SM
SV1CNS	W1ZT	KJ9C	ZS1C	F6DDR	W2OIB
UW7UA		LZ2ZG		IK8EPC	WB7QXU
W0GG	145	N2RJ	140	JF3LOP	
W7HPW	AF4HX	N2WM	9A1CAL	JK1AJX	135
WB8B	JJ3HGJ	N5UW	DF2RG	K1RO	5B4MF
WD5K	JN1BMX	N6PAT	JA9RRH	K2RET	DJ9ZB
WS5W	K1OA	R8TX	K5WK	KJ6P	F6FXU
YO3DDZ	K3VAT	W0IZ	K6KLY	KK1W	HB9IQB
	K4OY	W6QUV	KF8DX	OE6VIE	IV3DXW
148	K7HP	W8RLS	N4XP	OZ8X	JA7LMZ
DK2CC	K8BL	WB8ZRV	N7WS	RW4CY	JA8BNP

JA8JL	VE3WT	R9SA	JA9AA	F8BPN	NA5C
JH4HMG	W0NFL	W8DCH	JE1LFX	G4IUF	ND5S
K1ZE	W2QO		J14POR	HB9FMT	NW6S
K7FL		130	K0FF	IK8GYS	OE1AZS
NZ9R	132	DF9ZW	K3XA	IZ7EVZ	OH1ZK
R7LP	AA4NC	E73M	K4JAF	JA7KY	RA0BA
RN3RQ	AB9M	EI2JD	K4SE	JJ1DWT	UN7JID
SM3LGO	AD6W	G7VJR	K6LPO	JL1UXH	UU7JM
SM5CZK	IT9RDG	HK0HEU	KG7CW	K2ZD	VE3UTT
SP3XR	JA2KVD	JA2FBC	LB5WB	K4JKB	W5DAW
W1DIG	JA6CBG	K2MYR	N5KM	K4XU	W9CG
W2GD	K6EME	K7LFY	R9SG	KC2LSD	YO2RR
W4BUW	K6YUI	K8BCK	S53X	LB7ZG	
W4MBD	N6HY	K9GL	S55DX	N8NA	124
W4RFZ	ON4CAS	N3MK	SM3GQP	OK3CQD	AA7XT
W6JTI	OZ2RH	NA4EA	SV3DCX	OZ1IKY	IK3VBB
W8GNM	SM4BZH	NO9E	VQ9LA	PA5TT	JF2WXS
WB0TEV	SM6BGG	OZ2ABI	W2WC	S51NM	JH4JNG
	SV5DKL	R3VA	W4IS	SQ5EBM	J11DHY
134	VE3CRG	R5QA	W6RKC	VE3CX	JR2LJO
CT3HF	W1EQ	R9AB	W8MET	VE7BV	K1UU
IK4DCS	W4AXL	RU1AO	ZS1A	W8MK	K4ZO
K1TO	W4RBO	SP6M	ZS6UT	W8REW	KD4POJ
K3OX	W4WM	TA1CM		W9ILY	NA2U
K7XB	W5SL	UN7JX	127	WB0O	PA0TCA
KA8SYV	W6DR	VE3DO	HB9AZZ	WB2REM	PA3EWP
KX4TT	W7AH	W2MPK	HK1MW	WD4LBR	UA0BA
N9RS	W7CD	W5AJ	JA1DDH	XE1KK	VE1DUN
OE1TKW	W9FR	W9ZT	JA1WLO	YU1EXY	W2JU
PY5HOT	WB3D		JA8RJE		W2RIJ
RG6G	XE2S	129	JS2LHI	125	W3FM
UA0ACG		EA1YO	K0RW	9A1AD	W6CYX
W4JKC	131	JA1NWD	K3TRM	EA1AF	
YU1AM	DK7YY	JA8JO	K7TM	GW3TMP	123
	G3UHU	JH0BQX	KM4H	HK4SAN	AB1OC
133	HS1NGR	K3NK	KM4NS	IK5DNF	AC4TO
9K2NO	IV3KFB	K4TT	N1AC	IU0HDC	DL7JRD
EU1U	IZ0RVI	K6XM	N1GC	JA4IYL	DL9FCY
IZ8DFO	JA2TBS	K9ZM	OE8HIK	JA6VU	G4WFO
JA7GLB	J11DCW	KM3V	OH1JP	JE1TSD	G5LP
JA7LGE	JJ1TEA	N0YY	SK7AX	JE6UWU	HB0WR
JA9AGN	JM1FHL	N3KS	SM0BYD	JH3CUL	IK2CHZ
JH1HHC	JR6FC	N3RR	SP6A	JH4ADK	IK3XJP
K1ZN	K5VIP	PY5EG	SP7ASZ	JL1RUC	JA0CRG
K2CDJ	KH2L	W7QHE	V51B	K1HAP	JA1XCZ
K8GI	N4QWZ	WE4S	W0CP	K5KG	JA3MHA
KS4YT	N5PHT		W0RT	K8DV	JA6WJL
KU2A	N6RK	128	W0YVA	KA6BIM	JR1EBE
N9MR	NA5DX	AA4SC	W3BG	KI4WCQ	K2PK
OE1KM	NN4R	DM2RM	W3MF	LZ1XL	K3XO
RA5BM	ON4ON	IT9ZZO		N2KA	K4ZIN
RV4LC	R0SR	JA2AHH	126	N3EN	K5GH
UQ2PZ	R9MJ	JA2KSP	DJ8WD	N4JT	K7UT

K9CS	UU2JQ	G4DJJ	W1KSZ	CT1FCX	UA1ANA
KV4T	VA3AYA	HB9AAQ	W3RJW	DL7URH	UA1CGS
N2ED	W2GG	HB9BCI	W4DAO	EA5BRE	UA6XT
N4DWK	W2TB	HB9CQK	W4NF	EI2GLB	UN6T
N6MZ	W6XI	I2TZK	W4NJ	HA7PF	VE3YF
N9JV	W9YE	I4MKN	WT4Q	IK0EIE	W1OPD
N9LQ	WA1PMA	IU0LFQ	YO4AUL	IK2OHG	W5JMW
NA2P	WY1G	JA3AZD		IT9TQH	W9XX
S50B	XE1VIC	JA4XGC		IV3HYD	WA7BNG
UA3DK		JH6CDI	117	JA1WTI	WP3R
UT3QU	120	K5UZ	9Y4VU	JG1DUZ	YL2CZ
W1AO	9A5F	K7EG	AE0P	K1DC	
W8NJR	AC9EM	K8KWT	BH4IGO	K1RI	114
WB8K	AL7TC	N0KV	DL1DWT	K9SG	AA4DD
XE1H	DL2VWR	N4LR	IT9AAI	KT1V	BA4DW
	FG5FR	N8PW	IT9DAA	PA0JSE	BA7IO
122	HB9BLQ	N9UA	JA1HQT	RV3ID	CT3FN
G3NDC	HB9DHG	NT2A	JA4FM	TZ4AM	CU3AK
HA1RB	IZ0LKV	NY7T	JA7GYP	UA4PCM	DL6NB
JA1MRM	IZ5NFD	OH5NG	JA7IC	VA7CRZ	F6CWA
K1YT	JH4GJR	OK1DT	JE2JMV	W1ENE	G3SDL
K2MP	JR6LLN	R6FFB	JM3GXU	W1WEF	HK3PJ
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KR0P	K2BA	SV1IW	K1BZ	W7OEV	I5OYY
LA7WCA	K2HK	W0QQ	K2BB	W8LRO	JA0AOO
LA8PT	K3QIA	W0RX	K6PJ	WQ5L	JA2KNW
N9AW	K6FW	W4HZ	K7PI		JA4KDT
NA9RB	K6SIK	XE1RCS	K8OOK		JH1AGU
NN7X	KA8ZPE		K8QM	115	JH6WMJ
OE3SGU	N0OK	118	KD2T	C6AGU	K1RV
OZ3Y	N4BAF	5T5PA	KV4AA	CU2CE	K2DC
RD4A	N4TB	AB2E	N2BJ	DL9GOA	K3MD
UU4JMG	N4UFP	AE3T	N3ND	G4XEE	K3OSX
VE6AX	OE3EVA	AG1A	N3NR	G8BCG	K5RJ
W8LMG	OZ2A	DL5OCE	N4IR	G8DX	KB8U
	PZ5RA	JA4FHE	N4TL	HA5UK	KZ4V
121	SP7ITB	J18DGO	N6MB	HB9RYZ	N1QY
AA6RR	UR5IKN	JN1RQV	N8AA	IZ7JVR	N2JJ
CT3KN	US0YA	JR3UIC	N8XI	JH1RFM	N3MN
DF1DB	W2YR	K3WGR	NY4G	K0GD	NU8Z
DK1EI	W3OA	K4CNW	SM7BIC	K0SD	UA3FT
DK6CQ	W4PRO	K5JC	SP6JIU	K4CMS	W0VX
F4GTB	W6RFL	K8LN	SP8HKT	K4GHS	W4TUN
IK2SGB	W7RN	K8WVA	UA6J	K4GK	WA1FCN
JA1SJV	WA3I	K9DR	UB3A	K5XM	WA9YYY
JH7RXU	WV4TN	KD6UO	UR9IDX	K8YTO	XE3ARV
KD8RQE	ZL4AS	LZ2HM	US1CT	KO8SCA	
KG9Z		N2MM	W4ZRZ	KV1J	
N1JP	119	PY2PA	W6SL	LY4T	113
N6HC	AA3AZ	RN3TT	W8ZR	N0IRM	9A1A
SV1AHX	AJ4A	SV9COL	WA2USA	N4OA	BA4RF
UQ1GWW	DK3GG	TA2RC		N8KOL	DJ5DT
UT4EO	EW4M	VK4CAG	116	PA3AXU	DJ9RR
			AJ4F	RZ6MJ	DL8CM

DL8DYL	HB9G	JA1FGB	K3JRR	NX7U	SM6AOU
EA5KA	IK7YZG	JA1NCZ	K3PH	PY5CC	UX7UN
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JA4ITW	JA2HYD	JE8TGI	K6VKO	RX3AGD	W3NRJ
JA5WIZ	JA7BXS	K2HAT	KB4MRX	TG9NX	W4ZYT
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JH3GCN	JR7TEQ	K3NF	N2CG	UT7KF	W7ACD
K8SL	K0JPL	K5CD	N3HBX	VU2CPL	WA2ALY
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KA4RRU	K1KO	K9AJ	N3JB	W5WP	WC1M
KH6DX	K4UAS	KM1R	N4KE	W9FI	WD9EQU
KI0G	K8CC	KZ0X	N5BO	WB5TUF	WW1WW
KT1J	KB2FCV	LA0CX	NC6K	WC2K	
N4DJ	KI4DLS	N4WJ	NG0G	WN0L	107
N4IQ	KM1C	N7BD	NY4I	XE1FAS	4Z5LA
N7KO	KM3T	N9HF	OZ1LCG	YV3AGT	DJ8ES
NA3F	LA8HGA	NA1DX	RD9M		DK3FB
NI5F	N6MA	UR6QA	SM5BHW	108	DL2CHN
NK5B	N6PE	UT1UY	SV1VS	AI2Q	DL5XU
R7NA	RU4SU	VE6KC	UA3O	AL7R	DO4DXA
RA4UN	SM3DMP	VE7CT	US7MM	DL6CNG	EA5AT
RZ3AUL	UA1ACG	VE7UF	W0UY	ER1LW	EA7QW
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SP3EPG	UT6UD	W4HOG	W4DC	HB9BAT	G4AKY
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SV1JFV	W1HEO	W5AQ	W5VY	HB9FAN	HB9EFK
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UN7TW	W2SKI	W8KA	WB4TDH	IZ0BTV	IT9XTP
VE3KI	W3MR	W8MIL	WL7E	JA2MOG	JA5EY
W2GW	W3UL	W9RB	YU7AU	JA3NHL	JA8JTH
W6BK	W4VHF	WA2BOT	ZL3NW	JE2UFF	JF2WGN
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W8FIB	W6TC	WB9EEE	109	JJ2PIK	K2MK
W9VNE	W8GEX	YL3DQ	DF1KG	JK1MZT	K3SW
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WB2HJV	W9SE		EU4T	K1XM	K5FZ
WB2UFF	WA8MCD	110	F8EZE	K2KQ	K5KPE
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XE1RBV	ZP6CW	DL1VDL	JA2CXF	K8OM	N2RR
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	111	F5BAR	K2ONP	KN4JX	N4RF
112	AA4U	G3LNS	K4RDU	LU2DKT	N6EE
A92IO	AB4GE	G8AJM	K5KA	N1BZ	N8AGU
DJ1RL	AF4OX	HC1BI	K6MW	N4MEC	NA5Q
DK5RL	DK2WH	HL3GOB	KC2STA	N6RFM	OE1CP
DL5CL	DK6ED	I2BBJ	KE1F	N9TF	OK2BUZ
EA1JO	EV1R	IK5RUN	N8NN	PA0ZH	OK3CQR
EI8IU	G3PLP	JA1OVD	N9ISN	R5FY	R0FA
EW1DO	G4DBN	JA9KRO	ND4V	R7LA	RN4AA
G3XGC	IU8FRE	JH1VHU	NN4RR	RX6DX	RV6ARZ
HB9CRV	JA1AUD	K1EO	NU4I	S57J	SP3BQD

SP6AXW	UR3CRO	N6NU	K4MF	DJ7PI	SP5JXK
US5CB	UT7UU	ON7PQ	K4VIG	DL2HX	UA3PFN
VE3OI	UU5WW	OZ4AAL	K4YJ	DL8YRM	US2WU
W3KB	V73AZ	PF7M	K5HK	DM5TI	UT2AB
W4UCK	VQ9SS	PJ2/K8ND	K6UM	DS3HWS	VA2ZO
W6TDX	W1CWU	PY2DS	K7TJR	EA7SG	VA3IC
W8VK	W2EQ	R6YY	K9EA	EU6MM	VE3EDY
W9CPV	W2LE	RA6AF	KA2BZS	EW3LB	VE3MFA
WB8ART	W2NO	RD4WM	KH6KG/W5	G3BDQ	VE3VV
WS1L	W3ICM	UA6LCN	KI0KB	G4AAW	W0UVC
XE2YWH	W4IR	UR1RWX	KK9H	G4PUQ	W1CTN
YL1XZ	W5JAY	UR2RGN	KW0A	G4VGO	W4AVY
	W8IW	VE1PZ	KZ1W	I0OSI	W4MZ
106	W8OP	VY2ZM	N2SQW	IK2ANI	W5THT
AA4FL	WA4MYO	W1LY	N3ER	IZ0CKJ	W5VU
AA5JF	WA6TLA	W4OWY	N3TR	JA2GQO	W6SZN
AE2U	WC6DX	W5KI	N4TTE	JA2OLJ	WA4CEM
DJ6OZ	YL2GN	W6FF	N8MZ	JA8EJO	WB8BZK
DL1QQ	YU3EF	W9HBH	NJ9C	JH1DGQ	YO7APA
DL2NOM		WQ5W	NN3Q	JK1EXO	
DL3JSW	105	YU1NR	OH2OT	JM2RUV	102
EA3CCN	DF2PI		RA1QX	K2UVV	A6/RV6LNA
HA8DZ	DF8AA	104	RU3UR	K4LQ	CT4BD
IW3GJF	DJ3XD	9M2AX	RZ6DX	K5JUC	DK3QM
JA1VLK	DJ6KH	AD1C	RZ6LB	K7BTW	DL3DXX
JA2MNB	DL4ZAB	AH0U	SM5CCE	K8CCV	DL3NCR
JE6IGP	DL6JZ	CP8HD	SM7CQY	K9MUG	DL4CW
JG3HBO	DL6XK	CX3CE	SO5AS	K9XJ	DL4KUG
JG5RVQ	DO1CTL	DK3BK	UA9FGJ	KE1IU	DL5RDI
JH2KKW	ES1GO	DL4FAP	US5CAO	KJ4R	EI4DQ
JJ0NCC	G3YUV	DL7UPN	UT4EK	KJ7WY	ES5RW
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NI5M	KI5T	K0MD	YC0LOW	RA0FA	K1PTF
NS3L	KT2E	K0WK	YO5ODE	RA4HT	K2LP
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S57AL	N4VN	K4KEW	DJ1MM	SM7BHH	K4MS

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K6MI	AC5O	N9DR	WK9U	K4UQC	OZ1ZD
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KB9DAK	DH2FW	NX2X		K8CS	R9JX
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KN4KL	DL3ANK	OH3TY	A41ZZ	KB0EL	RA6XB
KW4BY	DL5JS	OK1PGF	AA4AK	KC0V	RC2A
KY6R	DM3ML	OK2BOB	AB4VV	KC4D	RL3BZ
LA3ANA	EA1WX	OK3EY	AC4VM	KC5LT	RN1A
N5RZ	EU1TT	OK4MM	AG4Q	KD8BZY	RT5A
NZ3M	G3ZFC	ON4LG	AI2S	KP4N	RU3GF
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PV8ABC	JA2VMU	RK9F	EA3ALD	LZ3YY	UA4PAY
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VR2MY	K8BN	W0QC	IS0/YO3RA	N8IL	W1YRC
W1MRH	K8ZR	W1AW	IW0BYL	N8NB	W2CCC
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W2TX	KC4PX	W2SF	JA4FSH	NA6O	W4OV
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WD8DSB	KQ1F	W7AV	K0XM	NU1T	WB4SON
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	N0STL	W9MAF	K2CYE	OK2PAZ	YO2OXD
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