

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 03 Jul 2025, 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	328 R4GM UA4CC	317 W3LPL	RA7A RZ3AM SP2FAX	304 CT1EEB DJ0MDR SM3GSK	N1BUG OE1WEU SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	316 W2VO	310 I4AVG RA3CQ SM5BFJ SM6CVX	303 F5LGE GM0GAV JA1BK JA4LKB K1UO RU3DX YU1FW	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ SM5CEU
340 K1ZM	324 K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA K5RK N1DG OH3SR S50U W1JR	309 W5IZ		
339 W4DR W4ZV			308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM3YTS	297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS
335 OH2BU	323 EY8MM SP5EWY	314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK SV8JE	
334 N4WW	322 UX0UN W3UR				296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ
332 UR0MC	321 WB9Z	313 GM3POI OE3GCU OG2M OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR VA3EF	
331 K5UR LZ2DF	320 K8MFO SM4HCM W8UVZ	312 OH1MA S54E			295 K3UA SV8CS
330 AA1K HA0DU OH1XX UT7QF	319 N0XA SM4CAN	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 JA7NI K4ZW N4IS NN4T UA6A		294 DL1AMQ JH2FXK LA5HE RJ3AA
329 K3UL UA4HBW	318 4X4DK UT5UGR W9ZR			299 JA4DND K4TEA	

WD5COV	G3XTT	S59Z	274	RZ3DX	259
293	N2QT	W4TO	G3TXF		DF4PL
N0TB	RK4FD		K1ZZ	266	F6GCP
S58T	VA3DX	280	KF2O	G4OBK	G3ZSS
	W4PK	EA6NB	W6UB	NR1R	I1FQH
292	286	SP6HEQ	273	R3LA	R9FM
G4BWP	DJ2YA	YO3APJ	IK8HJC	W8TE	
JH4UYB	IK1GPG		JA8ISU	W8XD	258
JR2KDN	K3SX	279	K2CL		KW9A
OZ1BTE	N3SL	IK4DRY	K5BG	265	N2NL
SM5AQD	PA0WRS	JR7VHZ	MD0CCE	AA4V	N5KD
SP3IBS	UA3AB	N2TK	RA3DA	AA6YQ	RN3CT
SV1AOZ	UT7UW	N5DG	SM6CCO	AA7A	VE3QAA
W3YX	W8AV	SM6CNN	UA3DPM	K4XP	
W8TOP		SP5CJQ	UX1AA	RW0LT	257
	285	UA6MF		SV8BHN	K1GUN
291	G4CCZ	278	272	YO5BRZ	N8TR
9A7V	HB9BGV	DK0EE	9A2EU		W9YSX
IZ0AEG	UR5WA	F6BEE	CT1EKY	264	
KD9SV		IK6DLK	DL1DUL	EI7BA	256
R7NW	284	JA3FYC	DL2OE	IK2YCW	9A5CY
SM3NRY	K5XI	K5DU	OH1LEU	K7ZV	JA5BZL
SM6CMU	SP3DV	KG4W	SP6CIK	W1GL	JH1GZE
SP3E		RU3FM			K1QX
UA3LAR	283		271	263	K5VRX
UT7UJ	DL7VEE	277	EU7A	IZ1ANU	K8FL
W5ZN	JA5EXW	AA4MM	G4GED	K9OW	PA7MM
	JH4IFF	DJ9VA	OZ1CTK	KX4R	W1TSP
290	K4SO	F6AOJ	SM5KNV	LA5IIA	W3DF
UA3AKO	N7NR	HB9AMO		N3NT	
	NA0Y	IK5BAF	270	W2SM	255
289	NO3M	ON7TK	AA1V	W3AP	IV3ODE
I5NPH	R3OK	SP9DWT	JA5AUC		K4QL
JA3ONB	SM6DHF		OE5KE	262	KY7M
K0KX		276		G0DQS	N2MF
K4WM	282	DK5WL	269	IK5HHA	R5AJ
N8DX	DL1YD	G3LZQ	K6ND	KR9U	UX0FF
RX4HZ	I0WDX	N8RR	KD5M	W1YY	VK4MA
US4EX	K8KS	N9IW	LA3MHA		W3KX
	K9CT	OK1AWZ	RV3LO	261	W5OZI
288	N2LT	VE2Tzt	W1ZC	9A4T	
PA3GCV	NJ6P			DL9YX	254
SL0ZG	SM6CTQ	275	268	K2EK	N0AT
SP7VC	UY5ZZ	9A1CCY	DL5DSM	K5KC	OM3DX
UA4LY	W0BV	F5NBU	G3WPH	N6SS	WA4FFW
US5WE	W2YC	I2AOX	K8PT	NO8D	
W0JX		IK4CIE	RA3XDX	SP1S	253
WK3N	281	K2UO	SP9JZU	SP5DIR	5B4AGN
	DF2PY	K4IQJ	W1MK		AA1QD
287	HB9BIN	OH3BU		260	K5ESW
CT1APE	JA2PJC	SP6AEG	267	EA5BM	S58Q
DL1RWN	K1CP	UW2ZM	LU8DPM	K1LT	UA1OMS
				K4DY	W0YG

252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ 245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY 244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ 243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G 242 EA4KD KG7H SV8CKM 241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT	VE1YX VE3NH 240 EA6ET G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA 239 JR3GWZ K0KT K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK 238 DL8WN IK0XEZ JA0DAI RA0FF VO1HP W3LL 237 DL7MAE NI0G OM4EX UR5EDX 236 AB4I AC4G K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN WA7NB WA7NS 234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR PY1BVY S51DI 233 K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO 232 DJ5FI EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP 231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ 229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T 228 AF9H AI0O E72A K4HB N2WK OH2BEN UW5ZM VE3DZ 227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF WB6RSE 226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW 224 DL5WW IZ1LBG MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ 223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX 222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR N8PR N9BX SM0CCM 221 JA2WYN K4MWB K8SIX N6VR
---	---	--	--	--	---

W1ZK W6JRY WS6X	RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	207 IZ8FWN K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	203 JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W2IRT W3GG
220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN VE3EXY	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 EA1RT IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW	202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV K9YY LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR WA2HZO ZL3IX	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP JF3KON KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA LA4GHA OK1DX RN7G W4NL	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA W8UN WB8ZRL	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP N4QS W0MHK W5TCX	198 DL1ROJ G3UJE G4BUE IT9JNR RX3APM W8HB
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA7JO NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO WP4U	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U W18A	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS
217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I KG6I N1ZZ	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ			196 4Z4DX AA4HP IK4PLW JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO

RZ4FO	JA7JWF	KL0S	W2YJ	K8WK	JA9NLE
W2FCR	JH1RFR	N8LJ		N2PK	JS3CTQ
W4UM	K3FN	RM0F	183	OK1MG	K4DLI
	K4FJ	W6SR	CT3MD	S57UN	K5GKC
195	K5XX	W8JV	IT9INO	SM4DDE	N7IR
EA3JL	K7GM	WA3C	K4CN	SV3FUP	N7XR
EA5RM	K9EU	WA6YEE	K8VC	W8KEN	PE1L
G3ZEM	KF7PG		N9MB		SP1MGM
JA1EOD	N4DB	187	NN2L	178	TF3SG
JH1QAX	OH2IS	AJ1H	ON6SAS	4Z5CX	VE3FF
JN7FAH	W3UA	K0SR	W2FP	EA3CJ	W8HC
K3PA	W3YQ	K6SRZ	W8NW	JA4MRL	WX0V
K7SO	W8LGJ	KN5O		K2UR	
K9RT		LA0FA	182	NE0U	174
KF8UN	191	N2NS	DJ9ON	SM7DLK	4Z5MU
N1SV	JA1ANR	OK1CZ	DK3UA	SV1JG	JA0GJJ
NK1K	K0JGH	SM0NJO	HK3W	W6NWS	JA1PPW
W5ZG	K8FC	W7AWA	JA1SHE	W7MEM	JA2XW
W9OP	K9LA		JA3ENN	ZS1LS	JA7MOL
	NE1B	186	K8RRT		JF7DZA
	RK2FWA	9A8A	N3OC	177	JK1OPL
194		IK2QPR	UR3EO	9H1SP	JR6PGB
K4KDX	190	JA8DNV		AE5E	K0TT
K9JF	IZ8XQC	K0BJ	181	CT1GFK	K1KI
KB9LIE	JA1DUH	K7LAY	DK3WW	IK4ADE	K2KA
KC9ARR	JA1MCU	W1YM	JN4MMO	K3WC	K3AJ
LA7AFA	K0BBC	YL2TW	K2EP	K4RG	K4TR
SM7GIB	K2TE		LZ2ZG	K9NU	K4WS
W2LO	K9KU	185	VE3OSZ	SM6DHU	N1EN
W4FC	KM1D	AB6QM	W9AJ	W2OR	OE1WHC
WD8JJA	N4XU	CT1EAV		W5LT	RN7F
WN6W	N5GH	EA6BF	180	W7FI	UA3LNM
	SP2LNW	G3KWK	DM2DXA	WB7B	W8UV
193	VE7VV	IK3SWB	DM3VL		W8VVG
DF2GH	WE9R	JA2LCP	EA8JF	176	WT8C
DK1FW	XE2X	K5ZD	JA2BDR	EU1AB	
DL5ZB		LA3WAA	JE2URF	I6FLD	173
DL6ZXG	189	N4TJ	K6SSS	JA0DET	5B4ALJ
EA3WD	9A2F	N5UR	K7BG	JA5IU	I1JQJ
HA5BSW	EA8PP	OE2BZL	LA9AJA	JA6BJV	JA9TWN
JA0EOK	FM5CD	SP3FAR	N1RR	JA8KSF	K1NTR
JA1XEC	JA0VSH	SV1DPI	N4AH	JL1SAM	K4XR
K4ODL	SP7HOV	UA9CBO	ON5FP	K8MN	K9YC
N5LZ	UA7T		UT2UB	N5OK	KA1J
N9EN		184	W1RM	OK1DWC	N5FG
PA0LOU	188	HA5WA	W7BEM	RL3FA	PY5EW
RN1ON	AA1ON	JA2ZL	W8TN	SM5FUG	
UA0CA	AB4IQ	JF1NZW		W4BP	172
W9MU	CT1FMX	K4HGX	179	W4GD	EA7TV
WA2VYA	JA1KQX	K5KLA	CT1FPQ	YO7NE	G0BLB
	KB0EO	KB4ET	IT9ELD		G3NKC
192	KB1EFS	S57AC	IW0SAF	175	IZ5MOQ
9A2NA	KE9ET	US8UA	JR7BDQ	JA1CHN	JA3FGJ
CT1IUA					

JG0CQK	W6RW	K4WA	162	159	156
JG3IWL	W7YAQ	K4ZJU	4O3A	JA4FKX	AB9V
K0DEQ	WB3JFS	OH2BLD	9A4W	JH6QFJ	DL4MM
K1BD		RM3DA	F3AT	K4RO	IZ8IEV
K6FG	168	W0DJC	HB9TKS	OK2ZV	JO7HAM
KJ0M	G3MXJ	W1RR	IZ4DPV	UN7JX	K0QC
W3JX	IK2EGL	W8ILC	JA6GIJ	W3HKK	K8YSE
W4FQT	JE7JDL	WA8TXT	JR5JAQ	W6BJH	KS1J
WC4X	JF2UPM		LB6KC	W7SX	N3RC
	K4XD	165	N8MR	WD5BJT	N3UA
171	K5QY	DL7UCX	RW3RN		N7WS
AA9D	K8RYU	F6HDH	W0HT	158	OE5RLM
DL6KR	KR4F	I2ZGC	W0TT	DJ4PT	UA3SAQ
G0EHO	N4QQ	IK0AGU	W1LW	DL1FKA	VA3LX
HA9PP	N8BJQ	JE7RJS	W8WEJ	IT9DSZ	W1YIF
JA6HUG	PA7F	JH7CFX		JA9APS	W4TV
JR1TNE	SP5GH	K5JZ	161	JH1TWT	
K1NU	W4SVO	KK4CB	DK2GZ	J11FXS	155
LA5LJA	W6VX	N4HB	DL6RAI	J11NJC	DL1RK
N0RN	W8OI	N9FN	HB9DHK	JR1GJP	DL4SZB
N4OGW	WA0MHJ	NY0V	JA1DOF	K5TT	JE3GRQ
N7RO	WA5YNB	RC9F	JH4ALY	K9GA	K2LS
N9RC		SM4CTT	JH4CPC	OZ1HX	NE0DX
RA3DNC	167	SP6EQZ	K1USA	RU6M	NW7E
SV1LK	DK5AD	W5BN	K5GO	SM4EMO	SM6VR
UN9L	EC3A		K8ND	W0SZ	WE1P
WA9PIE	EI6FR	164	LB2TB	W1OX	ZS6EZ
	JA6VQA	GU4YOX	N4GN	W2XL	
170	K6KO	HA7UW	OH6RA	W3GQ	154
DJ6TK	K8NK	HB9BZA	VK3HJ	W4QN	3V8SF
JA6JPS	K9MBQ	JA1RTX	YU2TW		GM3PPE
JE3ENP	N0IJ	JA7ZP		157	HB9BUN
JF1WPB	N3BNA	JH2SON		AA4H	JA8NFV
JM1GYQ	PA3C	K1NJ	160	AC6DD	JR3OEH
K6ZZ	RA1AOB	N5WA	AD5Q	DL6MRS	K0KVR
KI5BLU	RN9N	RA3ZH	DK1WB	EA5BY	NX8Y
N4PY	S51EC	RN3OG	DL1DA	G3TQZ	W1NA
SP3GTS	VE6WQ	SV2AEL	IK0FUX	G4GIR	W2XI
SV3KH	W1YW	W4DKS	IW2FND	JA1GHH	W5DNT
W3IP	WA4LOX	W4NS*	JA2EPW	JE2DZC	WB0TEV
W9EVI	WC5N		JE2OVG	JH2QMT	WS7L
WA3AFS		163	JF2XGF	JH7IAJ	YS1RR
	166	9A2JK	JR7MAZ	LY5A	
169	4Z1UF	DJ9HX	K3MSB	N5MOA	153
IK0PEA	DJ4SO	JE2LUN	NR4M	NE9Z	AA6AA
JA1ADT	HB9FMN	K7NN	RU6L	RU4UR	AJ9C
JE2LPC	IV3TDM	K8TL	UA0FZ	SM3PHM	DL3ZA
JR1IZM	JA1FNA	OK2QA	UX5UO	SV8ZS	G3TJW
K1LI	JA9LJS	UR4CWQ	W1BR	W2TA	HL2CFY
N4XX	K1KA	VE3CFK	W5XC	W5GZ	JF1IRW
N7US	K3KY	W7AL	W9RN	YV2IF	JR9OPJ
UT8MM	K4JLD	WW3S	WX0B		K7SP
UY5AA	K4PB				K8VFX

KR2Q	WP4G	N2WB	SM3DTR	K4WZ	W8GNM
N4TV		NE3F		KK1W	W8LWU
N5TW	150	W5FKX	144	LA9VFA	WO2T
N8II	EA1AF	W9JJB	CU3EQ	MM0SAJ	YL2MU
R9OK	IV3RAV		DL5CW	N7QT	YO9FNP
SM6CLU	JA1SVP	147	DL5KUA	NA4D	
SP5CCC	JA2NQG	EA3GP	E70T	NQ7R	139
UT5UY	K0RS	F5PAC	EI6IZ	NY2NY	DF7EE
WB8BPU	K5TR	IV3VBM	GM3ITN	OK1DO	DJ4XA
	K7LV	JA1XQC	HB9BYQ	W2OO	DL5EBE
152	K8AJS	K7HP	I5MXX	W5LUA	DL8OH
EW2A	KD0PO	K8UT	IT9GSF	W5VQ	DS1JFY
HB0CC	KU4XO	KM1H	IV3DXW	WA5POK	JA1TMG
JT1CO	N3QE	N1IBM	IZ4GWE	WB8CQV	J11DCW
KQ4AV	N9CO	PC3T	JA3GN		K3ANS
KS3F	OE8SPW	W1OP	JE1FQV	141	K6AM
N9OY	SQ5EBM	W2KKZ	K0VSH	AC9S	K8GI
S55ZZ	SV1CNS		N1IX	DL5MHQ	K8RF
UA6IGI	UA6YW	146	N3KK	EW1BA	KA8SYV
UN7LZ	W6DAO	EU4A	SM4OLL	HB9FMT	KU0A
UT5AB	WW2DX	JA1HQG	SM5CLE	JA1PTJ	LA8WG
VE6LB		JA4DHN	W4GE	JA2ATE	OH1JP
W1SKU	149	JA5XAE	W5ADD	JA9RRH	OK1MP*
W1VT	DL7CX	JH1GNU	W7ZI	JH1HHC	SM5CBM
W6RLL	HB9HFN	K1CA	W8RLS	JL1UXH	SV8ZC
W7AJ	IK4FNF	K5KV	WC5M	K2RW	W0SD
WB3CQM	JL1ARF	K5SM	WD5T	N8OC	WA8WV
	K3RA	K6NR	YO3CD	NJ3K	
151	K3TN	K7WP		OE6VIE	138
AA7G	K4YYL	N7BT	143	SV3FUO	DK8MCT
CU2AP	K8ME	RU0SN	DL1DUO	W2CG	DK8YY
DK2OY	K8ROX	W1IZL	DL6EN	W3BW	EI9FBB
EI9JF	K9MK	W1ZT	HS0ZEE	W4JVN	F6DDR
F3SG	R8TX		K7CMZ	W4VIC	IK8EPC
HB9SLO	SM6CUK	145	K7CW	W4WT	JA3OOK
IZ3ENH	UW7UA	AF4HX	KJ9C	W8HW	JF3LOP
JA2VQF	W0GG	HI3T	N2RJ	ZS1C	JH7RXU
JA6BEE	W2/CT1GIF	I0JBL	N2WM		K1RO
JH1NYM	W7HPW	IZ0RVI	N5UW	140	K2RET
JR1XIS	WB8B	JE6TSP	N6PAT	9A1CAL	KJ6P
K2AX	WD5K	JJ3HGJ	N6PSE	DF2RG	LB5WB
K2FW	WS5W	JK1AJX	NN4R	JR2LJO	ON6AA
N5JB	YO3DDZ	JN1BMX	W0IZ	K5WK	OZ8X
OK1ATP		K1OA	W6QUV	K6KLY	RW4CY
RD3A	148	K3VAT	WB8ZRV	KF8DX	UN7JID
RU3A	CT1FCX	K4OY	WD9DZV	N4XP	V51B
S54A	DK2CC	K8BL		OH6NIO	W1GD
SP7AWG	F5CQ	KF6HI	142	ON7DR	W2YE
SV9AHZ	F5LVL	N1CGP	I5HOR	UN1L	W4YV
W7CT	G4FTC	N4GG	IT9BLB	VE6SV	W7OM
W7RH	JH1QDB	N5XZ	JH0BQX	W0SEI	
WA1Z	K5VWW	NA5C	JR7WFC	W4NU	137
WA2BCK	LA6OP	RT0F	K3PP	W7IV	EA1YO

GM3YOR	SM5CZK	132	130	JH4GJR	F8BPN
HB9RYZ	SP3XR	AA4NC	DF9ZW	K0FF	G4IUF
IZ2FOS	W1DIG	AB9M	E73M	K3XA	IZ7EVZ
JA3APU	W1EQ	AD6W	EI2JD	K4JAF	JA1XCZ
JA4OK	W2GD	IT9RDG	G7VJR	K4SE	JA7KY
JH4JNG	W4BUW	JA2KVD	HK0HEU	K6LPO	JH3CUL
K2QMF	W4MBD	JA6CBG	JA2FBC	KG7CW	JJ1DWT
K6EME	W4RFZ	K6YUI	JG1DUZ	KM4NS	JN1RQV
K8NS	W6JTI	K9ZM	K2MYR	N5KM	K2ZD
LA9GX	WE4S	N6HY	K3NK	OH1ZK	K4JKB
RA3CO		ON4CAS	K6SIK	OZ1IKY	K4XU
RG7G	134	OZ2RH	K7LFY	R9SG	LB7ZG
UU1JA	CT3HF	SM4BZH	K8BCK	S53X	N8NA
W1ITU	IK4DCS	SM6BGG	K9GL	S55DX	OE3SGU
W5ODD	JA7LGE	SP6M	KO8SCA	SM3GQP	OK3CQD
WB5JID	K1TO	VE3CRG	NA4EA	SV3DCX	PA3EWP
	K1ZN	W4AXL	NO9E	US8UW	PA5TT
136	K3OX	W4RBO	OZ2ABI	VQ9LA	VE3CX
E72U	KX4TT	W4WM	PY5EG	W2WC	VE7BV
ER0FEO	N9MR*	W5SL	R3VA	W4IS	W8MK
HB9IQB	N9RS	W6DR	R5QA	W6RKC	W8REW
IK8CNT	NA5DX	W7AH	R9AB	ZS1A	W9ILY
JH4HMG	OE1TKW	W7CD	RU1AO	ZS6UT	WB0O
K0TV	PY5HOT	W9FR	S51NM		WB2REM
K4ZO	RG6G	WB3D	SP6JIU	127	WD4LBR
K7TM	RX4HW	XE2S	TA1CM	CT3KN	YU1EXY
KR6C	SM0BYD		VE3DO	HK1MW	
N2ZN	SV5DKL	131	W2MPK	JA1DDH	125
OK1DW	UA0ACG	DK7YY	W9ZT	JA1WLO	9A1AD
SM5OJH	W4JKC	G3UHU		JA8RJE	AG1A
SP2BMX	YU1AM	HS1NGR	129	JA9KRO	GW3TMP
UT3UZ		IV3KFB	HA1RB	JH3AIU	HK4SAN
UW8SM	133	JA0AOO	HB9AZZ	JS2LHI	IK5DNF
W2OIB	9K2NO	JA2TBS	JA1NWD	K0RW	JA4IYL
WB7QXU	EU1U	JH4ADK	JA8JO	K3TRM	JA6VU
	HB9CQK	JJ1TEA	JI4POR	KM3T	JE1TSD
135	IZ8DFO	JM1FHL	K4TT	N1AC	JE6UWU
5B4MF	JA7GLB	K1UU	K6XM	N1GC	JF2WXS
DJ9ZB	JA9AGN	K5VIP	N0YY	OE8HIK	JL1RUC
F6FXU	JR6FC	KC2LSD	N3KS	SK7AX	K1HAP
IK8GYS	JR7FRW	KH2L	N3RR	SP6A	K5KG
IU0HDC	K2CDJ	KM3V	W0YVA	SP7ASZ	K8DV
JA7LMZ	KS4YT	KM4H	W7QHE	W0CP	KA6BIM
JA8BNP	KU2A	N3MK	W8MET	W0RT	KI4WCQ
JA8JL	OE1KM	N4QWZ		W1OPD	LZ1XL
K1ZE	RA5BM	N5PHT	128	W3BG	N2KA
K4ZRJ	RV4LC	N6RK	AA4SC	W3FOX	N3EN
K7FL	UQ2PZ	ON4ON	DM2RM	W3MF	N4JT
K7XB	VE3WT	R0SR	IT9ZZO	XE1KK	N9RD
NZ9R	W0NFL	R9MJ	JA2AHH		ND5S
R7LP	W2QO	R9SA	JA2KSP	126	NW6S
RN3RQ	W5AJ	W8DCH	JA9AA	DJ8WD	OE1AZS
SM3LGO			JE1LFX	DL9FCY	RA0BA

UU7JM	S50B	W0QQ	AA4DD	N2MM	116
VE3UTT	UA3DK	W2GG	AE3T	N4DJ	AJ4F
W5DAW	UR9QQ	W3R JW	AJ4A	PY2PA	DL7URH
W8LMG	UT3QU	W6XI	DK3GG	RN3TT	EA5BRE
W9CG*	W1AO	W9XX	EW4M	SV9COL	HA7PF
WV4TN	W4NF	W9YE	G4DJJ	TA2RC	IK0EIE
YO2RR	W8NJR	WA1PMA	HB9AAQ	VK4CAG	IK2OHG
	WB8K	WY1G	HB9BCI	W1KSZ	IT9TQH
	XE1H	XE1VIC	I2TZK	W4DAO	IV3HYD
124			I4MKN	W4NJ	JA1WTI
AA7XT			IU0LFQ	W5JMW	K1DC
IK3VBB	122	120	JA3AZD	W9FI	K1RI
J11DHY	BA4RF	9A5F	JA4XGC	WX3P	K9FN
KD4POJ	G3NDC	AC9EM	JE2JMV	YO4AUL	KT1V
NA2U	JA1MRM	AL7TC	JH6CDI		KV1J
PA0TCA	JH1AGU	EI2GLB	K3FRK	117	NA9Q
UA0BA	K1ESE	FG5FR	K5UZ	9Y4VU	OZ1LCG
VA7CRZ	K1YT	HB9BLQ	K7EG	AA8CH	PA0JSE
VE1DUN	K2MP	IZ0LKV	K8KWT	AE0P	RV3ID
W2JU	K7ZA	IZ5NFD	K9SG	BH4IGO	TZ4AM
W2RIJ	KR0P	JA4EPE	N0KV	DL1DWT	UA4PCM
W3FM	LA7WCA	JR3UIC	N9UA	G3PLP	W1ENE
W6CYX	LA8PT	JR6LLN	NT2A	IT9AAI	W1WEF
	N3NR	K2BA	NY7T	IT9DAA	W7GG
123	N9AW	K2HK	OH5NG	JA1HQT	W7OEV
AB1OC	NN7X	K3QIA	OK1DT	JA4FM	W8LRO
AC4TO	OZ3Y	K5JC	R6FFB	JA7GYP	WQ5L
DL7JRD	RD4A	K6FW	SV1ACK	JA7IC	
F4GTB	UU4JMG	KA8ZPE	W0RX	JM3GXU	115
G4WFQ	VE6AX	N4BAF	W4HZ	JR2UBS	AA5JF
G5LP	W2TB	N4LR	W8FIB	K1BZ	C6AGU
HB0WR	WA3I	N4TB	WC2K	K2BB	CU2CE
IK2CHZ	WA7BNG	N4TL	WP3R	K6PJ	DL9GOA
IK3XJP		N4UFP	XE1RCS	K8OOK	G4XEE
JA0CRG	121	N8PW		K8QM	G8BCG
JA1SJV	AA6RR	OE3EVA	118	N2BJ	G8DX
JA3MHA	DF1DB	OZ2A	5T5PA	N4IR	HA5UK
JA6WJL	DK1EI	PZ5RA	AB2E	N6MB	HK3PJ
JK1EXO	DK6CQ	RL3BZ	DL5OCE	N8AA	IZ7JVR
JR1EBE	HB9DHG	SP7ITB	JA4FHE	N8XI	JA2KNW
K2PK	IK2SGB	SV1IW	J18DGO	NY4G	JA3NHL
K3XO	JA2HYD	UR5IKN	JN7DOS	SM7BIC	JA5FDJ
K4ZIN	J14WAO	US0YA	K3WGR	SP8HKT	JG3LGD
K5GH	KD8RQE	W2YR	K4CNW	UA6J	JH1RFM
K7UT	KG9Z	W3OA	K7PI	UB3A	K0GD
K9CS	N0OK	W4PRO	K8LN	UR9IDX	K0SD
KV4T	N1JP	W6RFL	K8WVA	US1CT	K4CMS
N2ED	N3ND	W7RN	K9DR	VE3YF	K4GHS
N4DWK	N6HC	WT4Q	KD2T	W4ZRZ	K4GK
N6MZ	SV1AHX	ZL4AS	KD6UO	W6SL	K5XM
N9JV	UQ1GWW		KG8CW	W8ZR	K8YTO
N9LQ	UT4EO	119	KV4AA	WA2USA	LY4T
NA2P	UU2JQ	AA3AZ	LZ2HM		N0IRM
NA9RB	VA3AYA				

N4OA	113	DJ1RL	AF4OX	G3LNS	K2ONP
N5BO	9A1A	DK5RL	CU3AN	G8AJM	K4RDU
N8KOL	DJ5DT	DL5CL	DK2WH	HC1BI	K5FZ
PA3AXU	DJ9RR	EA1JO	DK6ED	I2BBJ	K5KA
RZ6MJ	DL8CM	EI8IU	DL1HRN	IK5RUN	K5KPE
UA1ANA	DL8DYL	EW1DO	EV1R	IK8UHA	K6MW
UA1CGS	G4AFJ	G3XGC	F6ECI	IZ0CKJ	KE1F
UA6XT	HB9EFK	HB9CEX	G4DBN	JA7EPO	KZ5DX
UN6T	JA0GCI	HB9CRV	HL3GOB	JE2UFF	N1BZ
W4UCK	JA1OVD	HB9G	JA1AUD	JH1VHU	N2WLG
YL2CZ	JA4ITW	IK2ANI	JA1FGB	K1EO	N7TY
	JH1ORA	IU8FRE	JA1NCZ	K2BLA	N8NN
114	JH3GCN	IZ4DIW	JE2EHP	K3JRR	ND4V
BA4DW	K0TPP	JA1SXR	JE8TGI	K3PH	NN4RR
BA7IO	K2HAT	JA4BXL	JF2WGN	K4WW	NU4I
CT3FN	K8SL	JA7BXS	K0FLY	K6MI	NX7U
CU3AK	K9GWH	JR7TEQ	K5WAF	K6VKO	PY5CC
DL6NB	KA4RRU	K0JPL	K7ORK	KB4MRX	RW4UU
F6CWA	KH6DX	K1EDG	K9AJ	KC2STA	RW9QA
G3SDL	KI0G	K1KO	KM1R	LZ1PM	RX3AGD
HP3TA	KT1J	K4UAS	KZ0X	N2CG	TG9NX
I5OYY	N7KO	K8CC	LA0CX	N3HBX	UB5ZAL
IK7YZG	N9ISN	KB2FCV	N4WJ	N3IQ	UT7KF
IW0HEX	NA3F	KI4DLS	N7BD	N3JB	VU2CPL
JA4KDT	NG0G	KM1C	N9HF	N4KE	W5WP
JA5WIZ	NI5F	LA8HGA	NA1DX	NC6K	WB5TUF
JH6WMJ	NK5B	N5ZC	UR6QA	NK7C	WN0L
K1RV	ON5UE	N6MA	UT1UY	NY4I	YV3AGT
K2DC	R7NA	N6PE	VE6KC	RD9M	
K3MD	RA4UN	RU4SU	VE7CT	SM5BHW	108
K3NF	RZ3AUL	SM3DMP	VE7UF	SP9WZS	AI2Q
K3OSX	SM5ARL	UA1ACG	W0VHF	SV1VS	AL7R
K5CD	SP3EPG	UA1CEI	W1FO	UA3O	DL6CNG
K5RJ	SV1FKZ	UT6UD	W4HOG	US7MM	ER1LW
KB8U	SV1JFV	VE7XF	W4OX	W0UY	G3VAO
KZ4V	SV2AVP	W1HEO	W5AQ	W3XY	HB9BAT
N1QY	UN7TW	W2CVW	W7VS	W4DC	HB9FAN
N2JJ	VE3KI	W2SKI	W8KA	W4NE	IK0PRG
N3MN	W2GW	W3MR	W8MIL	W5ZPA	IZ0BTV
N4IQ	W6BK	W3UL	W9RB	W6KK	IZ2EWR
NU8Z	W8FAX	W4VHF	WA2BOT	WL7E	JA2MOG
UA3FT	W9DX	W5VX	WA2MUA	XE1FAS	JJ2PIK
W0VX	W9HBH	W6TC	WB4TDH	YU7AU	JK1MZT
W4TUN	W9VNE	W8GEX	WB9EEE	ZL3NW	K1EP
W5VY	WA4DOU	W8HMK	YL3DQ		K1XM
WA1FCN	WB2HJV	W9SE	YO6HOY	109	K2CJ
WA4CEM	WB2UFF	WA8OLN		DF1KG	K2KQ
WA8MCD	WS4C	WT9U	110	EA3GHZ	K2MK
WA9YYY	XE1RBV	ZP6CW	BA4MY	EU4T	K4WY
WN9O	ZL1BYZ		DG7RO	F8EZE	K4YJ
XE3ARV		111	DL1VDL	G3SVD	K6UT
	112	AA4U	EA5BYP	J68HZ	K8OM
	A92IO	AB4GE	F5BAR	JA2CXF	KM8AM

KN4JX	KB9DAK	K1PX	JA1TAA	9M2AX	RZ6DX
LU2DKT	KE2R	K4DSE	JA4EVN	AD1C	RZ6LB
N4MEC	KZ1W	K5AM	JA6VA	AG4Q	SM5CCE
N6RFM	N2RR	K5ZQ	JA7BME	AH0U	SM7CQY
N9SF	N3DAP	K8JJC	JA8RRF	CP8HD	SO5AS
N9TF	N4RF	KD9HL	JA9APM	CX3CE	UA9FGJ
NU4Y	N6EE	KK8X	JF1RYU	DK3BK	US5CAO
PA0ZH	N8AGU	KK9H	JO4CFV	DL4FAP	UT4EK
R5FY	NA5Q	KP4AA	JR1BAS	DL7UPN	UT7EC
R7LA	OE1CP	KQ3F	K1DJ	E73D	UX4UM
RX6DX	OK2BUZ	N0JZ	K2XF	EA8ZS	UY0MM
S57J	OK3CQR	N2CW	K4MS	EI9E	VE3VHB
SM6AOU	R0FA	N2SQW	K5AV	F6AJA	W0YBS
UX7UN	RN4AA	N3XM	K7OX	F8GB	W1QA
UZ6LWZ	RV6ARZ	N8AID	K7PO	G3BRD	W3DRY
W2UB	SP3BQD	NA5Z	K9RO	HB9CIP	W3TMZ
W3NRJ	SP6AXW	NI5M	KI5T	HK3O	W5CWQ
W4ZYT	US5CB	NS3L	KT2E	IK0DWN	W5GJ
W7ACD	VE3OI	OE5CSP	KX2A	JA1SDV	W5ZO
WA2ALY	VK3NX	OH2OT	LZ1JZ	JA2FGL	W6PH
WA8MOA	W3KB	OK1AYU	N2DPF	JF1EGO	W7DR
WB8BZK	W6TDX	OK2BVG	N4JI	JF6WTY	WA0I
WC1M	W8IW	S57AL	N4NW	JK1BSM	WA0RVK
WC6DX	W8VK	UR3CRO	N4PL	JO1WXO	WA9ETW
WD9EQU	W9CPV	UT7UU	N4SC	K0WK	YC0LOW
WW1WW	WB6CJT	UU5WW	N4VN	K1BG	YO5ODE
	WB8ART	V73AZ	N6NU	K3FM	
107	WS1L	VQ9SS	N7DR	K4KEW	103
4Z5LA	XE2YWH	W1CWU	ON7PQ	K4MF	AG1I
DJ8ES	YL1XZ	W2EQ	OZ4AAL	K4VIG	AI3Q
DK3FB	ZL3RJ	W2LE	PF7M	K5HK	DJ1MM
DL1QQ		W2NO	PJ2/K8ND	K6UM	DJ3GZ
DL2CHN	106	W3ICM	PY2DS	K7TJR	DJ7PI
DL5XU	AA4FL	W4IR	R6YY	K9EA	DL2HX
DO4DXA	AE2U	W5JAY	RA6AF	KA2BZS	DL8YRM
EA5AT	DJ6OZ	W8OP	RD4WM	KH6KG/W5	DM5TI
EA7QW	DL2NOM	WA4MYO	SP5JXK	KI0KB	DS3HWS
FG8OJ	DL3JSW	WA6TLA	UA6LCN	KW0A	EA7SG
G4AKY	DL6JZ	YL2GN	UR1RWX	LZ2XF	EU6MM
G4RGK	EA3CCN	YU3EF	UR2RGN	N3ER	EW3LB
HI8R	HA8DZ		VE1PZ	N3TR	G3BDQ
I5IHE	IK0ZIO	105	VR2MY	N4GU	G4AAW
IT9XTP	IW3GJF	DF2PI	VY2ZM	N4TTE	G4PUQ
JA5EY	JA1VLK	DF8AA	W1LE	N6PF	G4VGO
JA6OXT	JA2MNB	DJ3XD	W1LY	N6WM	I0OSI
JA8JTH	JE6IGP	DJ6KH	W4OWY	N8MZ	JA2GQO
JH9DRL	JG3HBO	DL4ZAB	W5KI	N9DR	JA2OLJ
K0MD	JG5RVQ	DL6XK	W6FF	N9PGG	JA3FHL
K3SW	JH2KKW	DO1CTL	WQ5W	ND3L	JA8EJO
K3YBN	JH6PFY	ES1GO	YU1NR	NJ9C	JH1DGQ
K4SAF	JJ0NCC	G3YUV		NN3Q	JM2RUV
K8LBT	JR0EQQ	HA8FW	104	RA1QX	K0EOO
K8ZR	K0DEW	JA1BWA	9K2OD	RU3UR	K2UVV

K4LQ	DL3NCR	UA9MR	K1YR	UR7CQ	IK0HFO
K5JUC	DL4CW	UA9UCO	K2BX	UT1CC	IK4MSV
K7BTW	DL4KUG	UW7CN	K2TER	UT4IS	IS0/YO3RA
K8CCV	DL5RDI	VE2FYR	K3SEW	UT7HA	IW0BYL
K9MUG	EA8AKN	W0JMP	K4NNX	VE2OJ	IW0HQE
K9XJ	EI4DQ	W1MRH	K5DNL	VE3XB	JA1BRK
KE1IU	EI6GF	W1PV	K6AAW	VK2GR	JA1CPU
KJ4R	ES5RW	W2LW	K6XJ	W1AW	JA1ILA
KJ7WY	F6BWO	W2TX	K7AR	W1FC	JA4FSH
KM9E	FM5WD	W3EKT	K7IA	W1GF	JA5DQH
LX1DA	HB9AHL	W4ALF	K8BN	W2SF	JA9CGW
N0RU	I8LWL	W5TO	K9JU	W3WH	JF3DRI
N1HOQ	IT9SFT	W7IUV	K9PG	W4BUE	JH7BKN
N9BBQ	IZ4MJP	WA0IDK	KC4PX	W4PM	JS6TWW
NU1T	JA0HXV	WA1S	KD3UY	W7AV	K0LB
OH3GD	JA1JAT	WD8DSB	KE1VT	W7CB	K0XM
OH4UI	JA8OW	WS4Y	KE4S	W8GB	K1NA
OK1DQT	K0YN	WW5G	KF7NN	W9MAF	K1NZ
OK2BQU	K1PTF	YO2CMI	KN6J	W9ZCL	K1TZQ
OK3BRK	K2LP	YO2IS	KQ1F	WA3EKL	K2CBI
OZ7JZ	K2TK		KS4XQ	WB3HLH	K2CYE
PA0GMM	K3KG	101	LA2GV	WC4H	K3TZV
R9GM	K4AQQ	AA2VG	LA6UL	WK9U	K4FT
RA0FA	K4KAY	AA3LX	LZ1XZ	WR2G	K4KSY
RA4HT	K5ZO	AA4NU	N0STL	WV9L	K4QS
RK3QY	K6DJ	AC2AC	N2AJ	YO2OXD	K4UQC
RU3OW	K7BHM	AC5O	N5AQ	YO6BHN	K7VIC
SM3CBR	K7UA	CT1JGA	N8AG	YV4DYJ	K8BZ
SM6EHY	K8BHZ	D44BC	N9JCS		K8CR
SM7BHH	KJ6NZ	DH2FW	NE1F	100	K8CS
UA3PFN	KN4KL	DK9WI	NX2X	9M6YBG	K8LE
US2WU	KW4BY	DL1KS	OA4TT	A41ZZ	K9NZ
UT2AB	KY6R	DL3ANK	OE3WQB	AA4AK	KB0EL
VA2ZO	LA3ANA	DL5JS	OH3TY	AB4VV	KC0V
VA3IC	N5RZ	DM3ML	OK1PGF	AC4VM	KC4D
VE3EDY	NZ3M	EA1WX	OK2BOB	AI2S	KC5LT
VE3MFA	OH2EA	EU1TT	OK3EY	DJ6OI	KD8BZY
VE3VV	OK1DTN	G3ZFC	OK4MM	DL1TPY	KP4N
W0QC	OK1JDX	G4FJK	ON4LG	DL1TRK	KQ5M
W0UVC	OK3CSQ	GM3WTA	OZ5HP	DL9GTB	LA8W
W1CTN	PA7TWO	HB9NL	PA4WM	DU7ET	LU5OM
W4AVY	PV8ABC	IV3GOW	RA3AH	EA1CP	LU5YF
W4MZ	PY2DO	IV3KCB	RA4P	EA2AAZ	LZ3YY
W5THT	R2AB	JA1VVX	RA4SD	EA3ALD	MM0SJH
W5VU	R3IS	JA2VMU	RB7GG	EA8AXT	N0AH
W6SZN	RU3UN	JA6TMU	RK9F	EC5A	N0ATQ
YO7APA	S59DJK	JA7SFD	RY6M	ES5NC	N1KI
	SM6WET	JE1SYN	SM2DMU	FM5GU	N1MD
102	SP5MXZ	JF1RPZ	SM7NDX	G0VXE	N2SG
A6/RV6LNA	T77V	JH3HGH	SP7JLH	G3OIL	N2XQM
CT4BD	UA1AIR	JH3PRR	SV1PL	G4CGG	N3AF
DK3QM	UA1CKC	JI3KDH	UA0FDX	GM3ZSP	N4CRI
DL3DXX	UA6HOF	K0LW	UG6GAW	I2VGW	N4ZR

N7DED	W4MAY
N7TK	W4OEP
N8IL	W4OV
N8NB	W5BK
N8OQ	W7DT
N9ADG	W7JET
NA6O	W8CNL
NB3R	W8FN
NG7A	W8GDQ
NJ3I	WB4SON
NN4SS	WU2M
OE5JDL	YB1TJ
OK1DXD	YL2SM
OK2PAZ	YO9FLD
ON4ANN	ZP9MCE
ON7EH	ZS2DL
ON7GB	
ON9CC	
OZ1ZD	
PA0INA	
PA7RA	
R3PJN	
R9JX	
RA3SD	
RA4LW	
RA6XB	
RC2A	
RN1A	
RT5A	
RU3GF	
S53MJ	
S59SV	
SV1VJ	
SV2DSJ	
UA3AKI	
UA4PAY	
UA6CEY	
UN6P	
UR4CW	
UR4LRG	
UR8IDX	
VE1RGB	
VE3OAT	
VE7JKZ	
VP2VA	
VR2PX	
W0GYH	
W0MU	
W1AN	
W1YRC	
W2CCC	
W3BBO	
W4HHN	