

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 11 Jan 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	325 K9UWA UA2FF	W2VO	KJ9I 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 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 EA6SX K4CIA N4RJ SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD PA3FQA RC3FL SM3EVR SP3EPK SV8JE VA3EF	295 JA2JPA K3UA
333 R7LV	321 WB9Z	312 OH1MA			294 JH2FXK LA5HE RJ3AA SV8CS WD5COV
332 UR0MC	320 SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A RZ3AM SP2FAX	305 JA7NI K4ZW N4IS UA6A		
330 AA1K HA0DU K5UR LZ2DF OH1XX UT7QF	319 K8MFO N0XA SM4CAN				
329 K3UL UA4HBW	318 W9ZR			299 JA4DND K4TEA N1BUG SV1FJA UX1UA W7UT	293 DL1AMQ S58T
328 R4GM UA4CC	317 W3LPL	310 I4AVG	304 CT1EEB DJ0MDR NN4T		292 G4BWP
	316 4X4DK				

JH4UYB	286	YO3APJ	273	W8XD	R9FM
JR2KDN	DJ2YA		IK8HJC		
OZ1BTE	IK1GPG	279	JA8ISU	265	258
SM5AQD	K3SX	IK4DRY	K2CL	AA1V	G3ZSS
SV1AOZ	N3SL	JR7VHZ	K5BG	AA4V	KW9A
W3YX	PA0WRS	N2TK	KF2O	AA7A	N5KD
W8TOP	UT7UW	SM6CNN	MD0CCE	G4OBK	RN3CT
	W8AV	UA6MF	RA3DA	RW0LT	VE3QAA
291			SM6CCO	SV8BHN	
9A7V	285	278	UA3DPM	YO5BRZ	257
DF3GY	CT1APE	DK0EE	UX1AA		IK5HHA
JA4LXY	G4CCZ	F6BEE		264	K1GUN
KD9SV	HB9BGV	IK6DLK	272	AA6YQ	W9YSX
N0TB		JA3FYC	9A2EU	IK2YCW	
R7NW	284	K5DU	CT1EKY	K7ZV	256
SM3NRY	K5XI	KG4W	DL1DUL	SP9JZU	9A5CY
SM6CMU	UA3AB	N5DG	DL2OE	W1GL	JA5BZL
SP3E		UR5WA	SP6CIK		JH1GZE
UA3LAR	283			263	K1QX
UT7UJ	NA0Y	277	271	IZ1ANU	K5VRX
	NO3M	AA4MM	EU7A	K9OW	K8FL
290	R3OK	DJ9VA	G4GED	LA5IIA	N8TR
IZ0AEG		F6AOJ	HB9AMO	W2SM	PA7MM
SP3IBS	282	IK5BAF	OZ1CTK	W3AP	W1TSP
UA3AKO	DL1YD	ON7TK			
W5ZN	I0WDX	SP9DWT	270	262	255
	JH4IFF		OE5KE	G0DQS	K4QL
289	K4SO	276	SM5KNV	K4XP	KY7M
I5NPH	K8KS	DK5WL		KR9U	N2MF
JA3ONB	N2LT	DL7VEE	269	W1YY	R5AJ
K0KX	N7NR	G3LZQ	JA5AUC		UX0FF
K4WM	SM6CTQ	N8RR	K6ND	261	W3DF
N8DX	SP3DV	N9IW	KD5M	9A4T	W5OZI
RX4HZ	US5WE	OK1AWZ	RV3LO	DL9YX	
US4EX	UY5ZZ	RU3FM	W1ZC	EI7BA	254
	W0BV			K2EK	N0AT
288	W2YC	275	268	K5KC	OM3DX
PA3GCV		9A1CCY	DL5DSM	N6SS	WA4FFW
RA3CQ	281	F5NBU	G3WPH	NO8D	
RY9C	DF2PY	IK4CIE	RA3XDX	SP1S	253
SL0ZG	JA2PJC	K2UO	RK4FD	SP5DIR	5B4AGN
SP7VC	JA5EXW	K4IQJ	W1MK		AA1QD
UA4LY	K1CP	OH3BU		260	K5ESW
W0JX	K9CT	SP5CJQ	267	EA5BM	S58Q
WK3N	S59Z	UW2ZM	LU8DPM	K1LT	UA1OMS
	W4TO	VE2TZT	RZ3DX	K4DY	W0YG
287				KX4R	W3KX
DL1RWN	280	274	266		
G3XTT	EA6NB	G3TXF	K8PT	259	252
N2QT	HB9BIN	K1ZZ	LA3MHA	DF4PL	EA1DR
VA3DX	NJ6P	SP6AEG	NR1R	F6GCP	IV3YYK
W4PK	SM4DHF	W6UB	R3LA	I1FQH	JF2MBF
	SP6HEQ		W8TE	N3NT	JG3QZN

JQ3DUE	TF4M	K1FZ	OK1CF	W4VQ	N4CH
ON4AOI	W2TQC	K1ZG	R7DX		RA3QK
PA4VHF	W5XZ	K9OT	VE3XN	229	RV1CC
R5DT		LA2XPA	W3LL	CT1FJK	RW3XZ
S52F	245	UR5MID	WA7NS	DJ4AX	SP3CGK
W3UM	AB3CV	VO1NA		JA8FKO	SP8NR
	DL4CF		234	J11BEX	US0SY
251	JA1GV	239	AC4G	OE5NNN	VA5DX
DJ7RD	N9US	F6BLP	AJ6T	RO7T	W7KW
DL9RT	RL9F	G8VR	IZ8FFA		
I1EIS	RY7G	JA5MHD	K1AR	228	224
JA2VPO	W9XY	JR3GWZ	K4UTE	AF9H	DL5WW
JH0BBE		K0KT	KF0QR	AI0O	I3BUI
N4II	244	K1HTV	PY1BVY	EA1N	IZ1LGB
VK4MA	AG9S	KH6AT		K4HB	N8BM
W5UN	DK6WL	LY3UM	233	N2WK	SP5INQ
W7LR	IK0XBX	RN3QN	AB4I	OH2BEN	VK6VZ
	JA1HGY	RU3QR	EA6VQ	SV8CKM	W0VTT
250	JA7QVI	SV1ELF	JA0FSB	VE3DZ	W2RQ
HB9RG	ON4IQ	SV1RK	K0CS		
NQ1K			K2UU	227	223
OZ8BZ	243	238	KA7T	DL7HU	AB0X
PY2RO	DK2JX	DL8WN	SK3PY	E72A	HA7TM
	DK3DG	IK0XEZ	UA4HAU	ES1RA	JH2TPI
249	JF8QNF	JA0DAI	VA2WA	IK0HBN	RT6T
AI9L	NN4X	K1DG	W7AO	IK6FWJ	SV2JAO
JR3IIR	ON4ATW	VO1HP		JA1UQP	ZS4TX
K9NW	S57A		232	JA9CHI	
SP5DRH	W9RPM	237	JA8EAT	K1FK	222
	WX4G	DL7MAE	K2AZ	K3NW	DF6PB
248		IK0MHR	K4XL	KD0Q	IV3JVJ
K3WW	242	NI0G	NI6T	W1TC	K3SV
K5RX	KG7H	OM4EX	NV9L	WB6RSE	K6EID
K9RX		RA0FF	S51DI		N5AW
N2NL	241	UR5EDX	UA3AP	226	N8PR
SM3VAC	EA4KD			JA2NDQ	N9BX
SV8GFW	JA1SYY	236	231	JA6BZI	SM0CCM
T77C	JA3EMU	EA6ET	4X4NJ	JF2KOZ	W9BF
UT9FJ	K2FF	K1JO	HA9RE	JR6EZE	
W9NGA	K5ZK	K9NR	IK0YUT	K9FD*	221
	N4XM	K9ZO	JH1HGC	N6AR	DJ8NK
247	N5TY	KC7V	K5EK	N6JV	K4MWB
IV3ODE	N7RT	OK2ZI	N7NG	ON4GG	K8FH
K6XT	OE2LCM	OZ4O	ON4ACG	UT5JAJ	K8SIX
NO2R	OK1DWJ	SP8AJK	W9IXX	VE6WZ	MM0EAX
R7IA	SP5GRM	YO9HP			N6VR
WB3AVN	UA3TT		230	225	SP7GAQ
	VE1YX	235	DJ5FI	A45XR	W1ZK
246	VE3NH	CX6VM	FK8CP	IW1ARB	W6JRY
DJ2TI		JH4ADV	JA1CMD	JH7PFD	WA7NB
F2JD	240	K3SWZ	N8JV	K1MM	WS6X
K0IEA	JA0CRI	KA9CFD	SM3NXS	K5AB	
N6TR	K0JUH	N6DX	W4GF	K9FD/KH6*	

220 AG8B HB9LCW HL5IVL JR4OZR K8ZTT KA1R N1LN N5JR VE3EXY	YU3AA YV1DIG	IK4DRR JA4DEN K3WA LA7GIA NX0I RU3SD UR5FEO W1ECT WA5VGI	IK0IOL JA3PIS K2VV K5AQ K5RT KG9N N8DJX N9AU SM6BZV US0KW VE3BW	JA3CSZ JA5AQC JH3VNC K2NV LY1G N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR W7DO WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR KV7K W8HB
219 IK3VUU JA2FJP JG1ULJ JJ3PRT LB8DC N0AV OE8RT RA3WDK SP4K UT7UV WA2UUK	215 AD5A JA9PPC N7JW RA1QD W0UO W2LK W6YI	210 I8SAT JH0INP JJ2LPV LA4GHA UW7LL W7JW	205 I4KDJ JA3AAW JA9FPI K1DT PY2XB W8UN WB8ZRL	201 AA5AM CU2DX DL1EJA F4BKV JA9NFO JI2KXK JO7WXN K3HP K3LR K5MC N4QS N5ZM W5TCX	197 G3SNN HB9DDO I5KKW JH2UVL K8NVR LA5YJ OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL
218 DJ4PI DK0PM DK2NG IK1YDB JA2FBY JA8CDT JF3KON K0EU K5UO UT4MF W5PJR	214 DL7BA HL3IUA JA2JW JA2WYN K3JGJ K4NA OK1DX RN7G W4NL	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT	204 DJ5AV IK7NXM K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	200 JA1GTF JH2RMU K1GE K9US LA7HJA RW4NN RW7M UY0ZG W0DD W0MHK W2IRT W3GG	196 4Z4DX AA4HP AG4W DK2LO F6EXV IK4PLW JA4PXC K8PO KA9FOX KP2A ND0N RA9CMO RZ4FO W0FS W2FCR
217 K5PC ON6YH UA3AGW	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M RU4SO W0LYI W1FJ W2WG W3YY	208 G3NSM JA7MSQ JF4VZT K2FU N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ	203 IZ8VYU JA2XYO JE1PNX K4XO K8AC K9MMS KK2I PA0A R6AF W8GC		195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP
216 JA6LCJ JH1IFS K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I LA7JO N1ZZ N4MM SM5CZQ WB9CIF WS9V	207 I4LCK K1LPS K3JT K8EUR PY2BW W0LS	202 DL1MGB DL2KQ DL9DRA EA1RT		
	211 F6DAY	206 DM5EE			

194 K4KDX K9JF KB9LIE KC9ARR W1NT W2LO W4FC W4UM W9OO WD8JJA	190 CT1IUA IZ8XQC JA1DUH JA1MCU K2TE K9KU KF7PG KM1D LA7AFA N4XU N5GH SP2LNW VE7VV XE2X	JA8DNV K0BJ K3PA K6SRZ K7LAY NE1B WA3C	W1YM	CT1EAV CT1GFK EA8JF HA5WA IK4ADE JE1BMJ K3WC K9NU SM6DHU W2OR W5LT W7FI	K2KA K3AJ K4TR K4WS OE1WHC OK1DWC RN7F UA3LNM W8UV W8VVG WT8C
193 DL5ZB DL6ZXG EA3WD HA5BSW JA1XEC K4ODL K9YY KB8VAO N9EN PA0LOU RN1ON UA0CA W9MU	189 9A2F EA8PP FM5CD JA3RAR K0JGH SM7GIB SP7HOV UA7T WE9R	185 AB6QM EA6BF G3KWK IK3SWB K0BBC K5ZD N4TJ N5UR OE2BZL SV1DPI UA9CBO	180 DM2DXA DM3VL K2EP K4CN K6SSS K7BG LA9AJA N1RR N4AH ON5FP UT2UB W1RM W3YQ W8TN	176 EU1AB HK3W I6FLD JA0DET JA5IU JA6BJV JA8KSF JL1SAM K8MN N5OK RL3FA W4BP W4GD YO7NE	173 5B4ALJ I1JQJ JA1PPW JA3ENN JA9TWN K1NTR K4XR KA1J N5FG PY5EW W8HC
192 9A2NA DK1FW IK0FVC JA0EOK JA7JWF K3FN K4FJ K5XX K7GM K9EU N4DB N5LZ W3UA W8LGJ WN6W	188 AB4IQ JA1KQX KB0EO KB1EFS N8LJ RM0F W6SR W8JV WA6YEE	184 AA1ON I2AOX JA2ZL JF1NZW JF1PUW JH1RFR K4HGX K5KLA KB4ET KL0S OH2IS S57AC US8UA	179 IT9ELD IW0SAF JA2BDR K8WK OK1MG S57UN SM4DDE SV3FUP W2YJ W7BEM W8KEN YL2TW	175 JA1CHN JS3CTQ K4DLI K5GKC LA0FA N7IR N7XR SM5FUG SP1MGM VE3FF W7MEM WX0V	172 G0BLB G3NKC IZ5MOQ JA3FGJ JA9NLE JG3IWL K0DEQ K1BD K6FG KJ0M W4FQT
191 G0OIL JA1ANR K8FC K9LA RK2FWA RX3APM WA2VYA	187 AJ1H DF2GH JA0VSH K0SR KN5O N2NS OK1CZ SM0NJO W7AWA	183 CT1FMX CT3MD IT9INO K8VC KE9ET LA3WAA NN2L ON6SAS W2FP W8NW	178 EA3CJ JA2LCP JA4MRL JE2URF K2UR K8RRT NE0U SM7DLK SV1JG W6NWS	174 4Z5CX 4Z5MU JA0GJJ JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K0TT	171 AA9D DL6KR G0EHO HA9PP JA6HUG JR1TNE K1NU K9YC LA5LJA N0RN N4OGW N7RO N9RC RA3DNC
	186 9A8A IK2QPR IZ8FWN	182 DJ9ON DK3UA JA1SHE UR3EO	177 9H1SP AE5E		

SV1LK	JE3ENP	164	VK3HJ	W1OX	SM6VR
WB7B	JG0CQK	GU4YOX	YU2TW	W2XL	ZS6EZ
ZS1LS	K4XD	HA7UW		W3GQ	
170	K6KO	HB9BZA	160	W4QN	154
CT1FPQ	K8NK	JA1RTX	AD5Q		3V8SF
DJ6TK	N0IJ	JA7ZP	DL1DA	157	GM3PPE
JA6JPS	N3BNA	JH2SON	EC3A	AA4H	HB9TKS
JF1WPB	PA3C	K1NJ	EI6FR	AC6DD	JA8NFV
JM1GYQ	RA1AOB	N5WA	HB9DHK	DK1WB	K0KVR
JR7BDQ	RN9N	N9FN	HB9FMN	G3TQZ	K4RG
K6ZZ	S51EC	RA3ZH	IW2FND	G4GIR	W1NA
N4PY	SP3FAR	SV2AEL	IZ4DPV	JA1GHH	W2XI
SP3GTS	UN9L	W4NS	JA2EPW	JH7IAJ	W5DNT
SV3KH	VE6WQ	W7YAQ	JE2LUN	K9GA	WB0TEV
W9AJ	W1YW	WP4U	JE2OVG	LY5A	WS7L
W9EVI	W3IP		JF2XGF	N5MOA	YS1RR
WA3AFS	WA0MHJ	163	JR7MAZ	NE9Z	
WC4X	WA4LOX	9A2JK	K3MSB	RN3OG	153
		DJ9HX	NR4M	RU4UR	AJ9C
	166	K8TL	RU6L	SM3PHM	DL3ZA
	4Z1UF	UR4CWQ	UA0FZ	SV8ZS	EA5BY
	DJ4SO	VE3CFK	UX5UO	W2TA	G3TJW
	IV3TDM	W7AL	W1BR	W5GZ	HL2CFY
	JA1FNA	WW3S	W5XC	YV2IF	JE3GRQ
	JA9LJS		WX0B		JF1IRW
	K3KY	162		156	JR9OPJ
	K4JLD	4O3A		DL4MM	K7SP
	K4PB	9A4W	159	F6HDH	K8VJV
	K4ZYU	F3AT	JA4FKX	IK0AGU	N4TV
	K9MBQ	JA6GIJ	JE2LPC	IK0FUX	N5TW
	OH2BLD	K1KI	JH6QFJ	IZ8IEV	N8II
	RM3DA	LB6KC	JH7CFX	JH2QMT	R9OK
	W1RR	N8MR	K1KA	JO7HAM	SM6CLU
	W8ILC	RW3RN	K4RO	K0QC	SP5CCC
	WA8TXT	W0HT	W3HKK	K8YSE	UT5UY
		W0TT	W6BJH	KS1J	WB8BPU
	165	W1LW	W7SX	N3UA	WE1P
	DL7UCX	W3JX	W9RN	N4HB	
	I2ZGC	W4DKS	WA9PIE	UA3SAQ	152
	JA6VQA	W8WEJ	WD5BJT	VA3LX	EW2A
	JE7RJS			W1YIF	HB0CC
	JN4MMO	161	158	W4TV	HB9BUN
	K5JZ	DK2GZ	DJ4PT		JT1CO
	KI5BLU	DL6RAI	DL1FKA	155	KS3F
	KK4CB	JA1DOF	JA9APS	AB9V	N9OY
	NY0V	JH4CPC	JH1TWT	DL1RK	S55ZZ
	RC9F	K1USA	J11FXS	DL6MRS	UA6IGI
	SM4CTT	K5GO	JR1GJP	JE2DZC	UT5AB
	SP6EQZ	K7NN	K5TT	K2LS	VE6LB
	W0DJC	K8ND	OZ1HX	K4WA	W1SKU
	W5BN	LB2TB	RU6M	N3RC	W1VT
	WC5N	N4GN	SM4EMO	NE0DX	W6RLL
167		OH6RA	W0SZ	NW7E	W7AJ
DK5AD					

WB3CQM	K8ME	K7WP	I0JBL	W3BW	138
151	NX8Y	N7BT	K7CMZ	W4JVN	DK8MCT
AA7G	SM6CUK	RU0SN	K7CW	W4VIC	DK8YY
DK2OY	UW7UA	W1IZL	K8ROX	W4WT	EI9FBB
EI9JF	W0GG	W1ZT	KJ9C	W8HW	EU4A
F3SG	W7HPW	145	LZ2ZG	ZS1C	F6DDR
JA6BEE	WB8B	AF4HX	N2RJ	140	IK8EPC
K2FW	WD5K	JJ3HGJ	N2WM	9A1CAL	JA3OOK
N1EN	WS5W	JN1BMX	N5UW	DF2RG	JF3LOP
N5JB	WW2DX	K1OA	N6PAT	JA9RRH	JH7RXU
OK1ATP	YO3DDZ	K3VAT	R8TX	K5WK	JK1AJX
RD3A	148	K4OY	W0IZ	K6KLY	K1RO
RU3A	DK2CC	K8BL	W6QUV	KF8DX	K2RET
S54A	EA7TV	KF6HI	W8RLS	N4XP	KK1W
SP7AWG	F5CQ	LA6OP	WB8ZRV	N6PSE	NA5C
SV9AHZ	F5LVL	N1CGP	WD9DZV	N7WS	OZ8X
W7RH	HB9SLO	N4GG	142	OH6NIO	RW4CY
WA1Z	JH1QDB	RT0F	I5HOR	OK2ZV	V51B
WP4G	KR2Q	SM3DTR	IT9BLB	ON7DR	W1GD
150	N2WB	144	JE1FQV	UN1L	W2YE
DL4SZB	NE3F	CU3EQ	JR7WFC	VE6SV	W4YV
EA1AF	W5FKX	DL5CW	K3PP	W0SEI	W7OM
IT9DSZ	W9JJB	DL5KUA	K4WZ	W4NU	137
IV3RAV	147	E70T	KQ4AV	W7IV	EA1YO
JA2NQG	EA3GP	EI6IZ	LA9VFA	W8LWU	GM3YOR
JA2VQF	IV3VBM	GM3ITN	MM0SAJ	WO2T	IZ2FOS
JH1NYM	JA1SVP	HB9BYQ	N5XZ	YL2MU	JA3APU
K0RS	JA1XQC	HI3T	N7QT	YO9FNP	JE6TSP
K7LV	JH4ALY	I5MXX	NA4D	139	JH4JNG
K8AJS	K2AX	IT9GSF	NQ7R	CU2AP	JR1XIS
KU4XO	K7HP	IZ4GWE	NY2NY	DF7EE	K2QMF
N3QE	K8UT	JA3GN	OK1DO	DJ4XA	K8NS
N9CO	K9MK	JR3OEH	W2OO	DL5EBE	N2PK
N9MB	KM1H	K0VSH	W5ADD	DL8OH	ON6AA
OE8SPW	N1IBM	K5TR	W5LUA	JA1TMG	RA3CO
SV1CNS	PC3T	N1IX	W5VQ	JH0BQX	RG7G
UA6YW	UN7LZ	N3KK	WA5POK	K3ANS	UU1JA
W6DAO	W1OP	SM4OLL	WB8CQV	K6AM	W1ITU
W7CT	W2KKZ	SM5CLE	141	K8GI	W2CG
WA2BCK	146	W2/CT1GIF	AC9S	K8RF	W5ODD
149	F5PAC	W4GE	DL5MHQ	KD0PO	WB5JID
AA6AA	G4FTC	W7ZI	EW1BA	KU0A	136
DL7CX	JA1HQG	WC5M	JA1PTJ	LA8WG	DS1JFY
IK4FNF	JA4DHN	WD5T	JA2ATE	OK1MP	E72U
IZ3ENH	JH1GNU	YO3CD	JA5XAE	OK2QA	ER0FEO
JL1ARF	K1CA	143	JL1UXH	SM5CBM	IK8CNT
JR5JAQ	K5KV	DL1DUO	K2RW	SV8ZC	JA4OK
K3RA	K5SM	DL6EN	N8OC	W0SD	K0TV
K3TN	K5VWW	HB9HFN	NJ3K	WA8WV	K6EME
K4YYL	K6NR	HS0ZEE	OE6VIE		KR6C
			SV3FUO		

N2ZN	W4JKC	XE2S	129	K0RW	HB9RYZ
OK1DW	YU1AM		HB9AZZ	K3TRM	HK4SAN
SM5OJH		131	JA1NWD	K7TM	IK5DNF
SP2BMX	133	DK7YY	JA8JO	KM4H	JA4IYL
UT3UZ	9K2NO	G3UHU	JI4POR	KM4NS	JA6VU
UW8SM	EU1U	HS1NGR	K3NK	N1AC	JE1TSD
W2OIB	IZ8DFO	IV3KFB	K4TT	N1GC	JE6UWU
WB7QXU	JA7GLB	JA2TBS	K6XM	OE8HIK	JF2WXS
	JA7LGE	JI1DCW	KM3V	S51NM	JH3CUL
135	JA9AGN	JJ1TEA	N0YY	SK7AX	JH4ADK
5B4MF	JH1HHC	JM1FHL	N3KS	SM0BYD	JL1RUC
DJ9ZB	K1ZN	K1UU	N3RR	SP6A	K1HAP
F6FXU	K2CDJ	K5VIP	OH1JP	SP7ASZ	K5KG
HB9IQB	KS4YT	KH2L	PY5EG	W0CP	K8DV
IK8GYS	KU2A	N4QWZ	W7QHE	W0RT	KA6BIM
IV3DXW	N9MR	N5PHT	W8MET	W0YVA	KI4WCQ
IZ0RVI	OE1KM	N6RK		W3BG	LZ1XL
JA7LMZ	RA5BM	NA5DX	128	W3MF	N2KA
JA8BNP	RV4LC	NN4R	AA4SC		N3EN
JA8JL	UQ2PZ	ON4ON	DM2RM	126	N4JT
JH4HMG	VE3WT	R0SR	IT9ZZO	DJ8WD	N9RD
K1ZE	W0NFL	R9MJ	IU0HDC	F8BPN	ND5S
K7FL	W2QO	R9SA	JA2AHH	G4IUF	NW6S
NZ9R		W8DCH	JA2KSP	HB9FMT	OE1AZS
R7LP	132		JA9AA	IZ7EVZ	OH1ZK
RN3RQ	AA4NC	130	JE1LFX	JA1XCZ	RA0BA
SM3LGO	AB9M	DF9ZW	K0FF	JA7KY	UN7JID
SM5CZK	AD6W	E73M	K3XA	JJ1DWT	UU7JM
SP3XR	IT9RDG	EI2JD	K4JAF	JN1RQV	VE3UTT
W1DIG	JA2KVD	G7VJR	K4SE	K2ZD	W5DAW
W2GD	JA6CBG	HK0HEU	K6LPO	K4JKB	W9CG
W4BUW	JR2LJO	JA2FBC	KG7CW	K4XU	YO2RR
W4MBD	JR6FC	JG1DUZ	LB5WB	KC2LSD	
W4RFZ	K6YUI	K2MYR	N5KM	LB7ZG	124
W6JTI	K9ZM	K6SIK	R9SG	N8NA	AA7XT
W8GNM	N6HY	K7LFY	S53X	OK3CQD	IK3VBB
WE4S	ON4CAS	K8BCK	S55DX	OZ1IKY	JI1DHY
	OZ2RH	K9GL	SM3GQP	PA5TT	K4ZO
134	SM4BZH	N3MK	SV3DCX	SQ5EBM	KD4POJ
CT3HF	SM6BGG	NA4EA	VQ9LA	VE3CX	NA2U
IK4DCS	SP6M	NO9E	W2WC	VE7BV	PA0TCA
K1TO	SV5DKL	OZ2ABI	W4IS	W8MK	PA3EWP
K3OX	VE3CRG	R3VA	W6RKC	W8REW	UA0BA
K7XB	W4AXL	R5QA	ZS1A	W9ILY	VE1DUN
KA8SYV	W4RBO	R9AB	ZS6UT	WB0O	W2JU
KX4TT	W4WM	RU1AO		WB2REM	W2RIJ
N9RS	W5AJ	TA1CM	127	WD4LBR	W3FM
OE1TKW	W5SL	UN7JX	HB9CQK	XE1KK	W6CYX
PY5HOT	W6DR	VE3DO	HK1MW	YU1EXY	W8LMG
RG6G	W7AH	W2MPK	JA1DDH		
RX4HW	W7CD	W9ZT	JA1WLO	125	123
UA0ACG	W9FR		JA8RJE	9A1AD	AB1OC
W1EQ	WB3D		JS2LHI	GW3TMP	AC4TO

DL7JRD	UU4JMG	OZ2A	AE3T	N4IR	HA5UK
DL9FCY	VE6AX	PZ5RA	AG1A	N6MB	IZ7JVR
F4GTB	WA3I	RL3BZ	DL5OCE	N8AA	JH1RFM
G4WFQ		SP7ITB	JA4FHE	N8XI	K0GD
G5LP	121	UR5IKN	JI8DGO	NY4G	K0SD
HB0WR	AA6RR	US0YA	K3WGR	SM7BIC	K4CMS
IK2CHZ	CT3KN	W2YR	K4CNW	SP8HKT	K4GHS
IK3XJP	DF1DB	W3OA	K8LN	UA6J	K4GK
JA0CRG	DK1EI	W4PRO	K8WVA	UB3A	K5XM
JA1SJV	DK6CQ	W6RFL	K9DR	UR9IDX	K8YTO
JA3MHA	IK2SGB	W7RN	K9SG	US1CT	KO8SCA
JA6WJL	KD8RQE	ZL4AS	KD2T	W4ZRZ	KV1J
JH3AIU	KG9Z		KD6UO	W5JMW	LY4T
JR1EBE	N1JP	119	KG8CW	W6SL	N0IRM
K2PK	N6HC	AA3AZ	KV4AA	W8ZR	N4OA
K3XO	SV1AHX	AJ4A	LZ2HM	WA2USA	N8KOL
K4ZIN	UQ1GWW	CT1FCX	N2MM		PA3AXU
K5GH	UT4EO	DK3GG	N3NR	116	RZ6MJ
K7UT	UU2JQ	EW4M	PY2PA	AJ4F	UA1ANA
K9CS	VA3AYA	G4DJJ	RN3TT	DL7URH	UA1CGS
KV4T	W2GG	HB9AAQ	SP6JIU	EA5BRE	UA6XT
N2ED	W2TB	HB9BCI	SV9COL	EI2GLB	UN6T
N4DWK	W3RJV	I2TZK	TA2RC	HA7PF	VE3YF
N6MZ	W6XI	I4MKN	VK4CAG	IK0EIE	W1OPD
N9JV	W9YE	IU0LFQ	W1KSZ	IK2OHG	W9XX
N9LQ	WA1PMA	JA3AZD	W4DAO	IT9TQH	WA7BNG
NA2P	WY1G	JA4XGC	W4NF	IV3HYD	YL2CZ
S50B	XE1VIC	JE2JMV	W4NJ	JA1WTI	
UA3DK		JH6CDI	WT4Q	K1DC	114
UT3QU	120	JR3UIC	YO4AUL	K1RI	AA4DD
W1AO	9A5F	K5UZ		K3FRK	BA4DW
W8NJR	AC9EM	K7EG	117	KT1V	BA7IO
WB8K	AL7TC	K8KWT	9Y4VU	PA0JSE	CT3FN
WV4TN	DL2VWR	N0KV	AE0P	RV3ID	CU3AK
XE1H	FG5FR	N4LR	BH4IGO	TZ4AM	DL6NB
	HB9BLQ	N8PW	DL1DWT	UA4PCM	F6CWA
122	HB9DHG	N9UA	IT9AAI	VA7CRZ	G3SDL
G3NDC	IZ0LKV	NT2A	IT9DAA	W1ENE	HK3PJ
HA1RB	IZ5NFD	NY7T	JA0AOO	W1WEF	HP3TA
JA1MRM	JH4GJR	OH5NG	JA1HQT	W7GG	I5OYY
K1ESE	JR6LLN	OK1DT	JA4FM	W7OEV	IK7YZG
K1YT	K2BA	R6FFB	JA7GYP	W8LRO	IW0HEX
K2MP	K2HK	SV1ACK	JA7IC	WP3R	JA2KNW
K7ZA	K3QIA	SV1IW	JM3GXU	WQ5L	JA4KDT
KR0P	K5JC	W0QQ	JR2UBS		JA5WIZ
LA7WCA	K6FW	W0RX	K1BZ	115	JH1AGU
LA8PT	KA8ZPE	W4HZ	K2BB	AA5JF	JH6WMJ
N9AW	N0OK	W8FIB	K6PJ	C6AGU	K1RV
NA9RB	N4BAF	XE1RCS	K7PI	CU2CE	K2DC
NN7X	N4TB		K8OOK	DL9GOA	K3MD
OE3SGU	N4TL	118	K8QM	G4XEE	K3OSX
OZ3Y	N4UFP	5T5PA	N2BJ	G8BCG	K5RJ
RD4A	OE3EVA	AB2E	N3ND	G8DX	KB8U

KZ4V	W9DX	W3MR	W8MIL	WL7E	IZ0BTV
N1QY	W9VNE	W3UL	W9RB	YU7AU	JA2MOG
N2JJ	WA4DOU	W4VHF	WA2BOT	ZL3NW	JA3NHL
N3MN	WB2HJV	W5VX	WA2MUA		JE2UFF
N4IQ	WB2UFF	W6TC	WB9EEE	109	JJ2PIK
NU8Z	WS4C	W8GEX	YL3DQ	DF1KG	JK1MZT
UA3FT	WX3P	W8HMK	YO6HOY	EA3GHZ	JR7FRW
W0VX	XE1RBV	W9SE		EU4T	K1EP
W4TUN	ZL1BYZ	WA8MCD	110	F8EZE	K1XM
WA1FCN		WA8OLN	CU3AN	G3SVD	K2KQ
WA9YYY	112	WT9U	DG7RO	J68HZ	K2MK
XE3ARV	A92IO	ZP6CW	DL1VDL	JA2CXF	K4WY
	DJ1RL		EA5BYP	JA4BXL	K6UT
113	DK5RL	111	F5BAR	JK1EXO	K8OM
9A1A	DL5CL	AA4U	G3LNS	K2ONP	KM8AM
BA4RF	EA1JO	AB4GE	G8AJM	K4RDU	KN4JX
DJ5DT	EI8IU	AF4OX	HC1BI	K5KA	LU2DKT
DJ9RR	EW1DO	DK2WH	I2BBJ	K6MW	N1BZ
DL8CM	G3XGC	DK6ED	IK5RUN	KC2STA	N4MEC
DL8DYL	HB9CRV	DL1HRN	IK8UHA	KE1F	N6RFM
EA5KA	HB9EFK	EV1R	JA1OVD	N8NN	N9TF
G4AFJ	HB9G	F6ECI	JA9KRO	N9ISN	NU4Y
JA0GCI	IU8FRE	G3PLP	JH1VHU	ND4V	PA0ZH
JA4ITW	IZ4DIW	G4DBN	K1EO	NN4RR	R5FY
JH1ORA	JA1SXR	HL3GOB	K3JRR	NU4I	R7LA
JH3GCN	JA2HYD	JA1AUD	K3PH	NX7U	RX6DX
K5CD	JA7BXS	JA1FGB	K4WW	PY5CC	S57J
K8SL	JG3LGD	JA1NCZ	K5WAF	RW4UU	SM6AOU
K9FN	JI4WAO	JA5FDJ	K6MI	RW9QA	UX7UN
K9GWH	JR7TEQ	JE2EHP	K6VKO	RX3AGD	UZ6LWZ
KA4RRU	K0JPL	JE8TGI	KB4MRX	TG9NX	W2UB
KH6DX	K0TPP	JF2WGN	LZ1PM	UB5ZAL	W3NRJ
KI0G	K1KO	K2HAT	N2CG	UT7KF	W4ZYT
KT1J	K3NF	K7ORK	N3HBX	VU2CPL	W6KK
N4DJ	K4UAS	K9AJ	N3IQ	W0VHF	W7ACD
N7KO	K8CC	KM1R	N3JB	W5WP	W9HBH
NA3F	KB2FCV	KZ0X	N4KE	W9FI	WA2ALY
NG0G	KI4DLS	LA0CX	N5BO	WB5TUF	WA4CEM
NI5F	KM1C	N4WJ	NC6K	WC2K	WA8MOA
NK5B	KM3T	N7BD	NY4I	WN0L	WC1M
R7NA	LA8HGA	N9HF	OZ1LCG	XE1FAS	WD9EQU
RA4UN	N5ZC	NA1DX	RD9M	YV3AGT	WW1WW
RZ3AUL	N6MA	UR6QA	SM5BHW		
SM5ARL	N6PE	UT1UY	SV1VS	108	107
SP3EPG	RU4SU	VE6KC	UA3O	AI2Q	4Z5LA
SV1FKZ	SM3DMP	VE7CT	US7MM	AL7R	DJ8ES
SV1JFV	UA1ACG	VE7UF	W0UY	DL6CNG	DK3FB
SV2AVP	UA1CEI	W3FOX	W3XY	ER1LW	DL2CHN
UN7TW	UT6UD	W4HOG	W4DC	G3VAO	DL5XU
VE3KI	VE7XF	W4OX	W4NE	HB9BAT	DO4DXA
W2GW	W1HEO	W5AQ	W5VY	HB9CEX	EA5AT
W6BK	W2CVW	W7VS	W5ZPA	HB9FAN	EA7QW
W8FAX	W2SKI	W8KA	WB4TDH	IK0PRG	FG8OJ

G4AKY	HA8DZ	105	WQ5W	NK7C	JH1DGQ
G4RGK	IW3GJF	DF2PI	YU1NR	NN3Q	JM2RUV
HI8R	JA1VLK	DF8AA		OH2OT	K2UVV
I5IHE	JA2MNB	DJ3XD	104	RA1QX	K4LQ
IT9XTP	JE6IGP	DJ6KH	9M2AX	RU3UR	K5JUC
JA5EY	JG3HBO	DL4ZAB	AD1C	RZ6DX	K7BTW
JA8JTH	JG5RVQ	DL6JZ	AH0U	RZ6LB	K8CCV
JH9DRL	JH2KKW	DL6XK	CP8HD	SM5CCE	K9MUG
K3SW	JJ0NCC	DO1CTL	CX3CE	SM7CQY	K9XJ
K3YBN	JR0EQQ	ES1GO	DK3BK	SO5AS	KE1IU
K5FZ	K0DEW	G3YUV	DL4FAP	UA9FGJ	KJ4R
K5KPE	K1PX	HA8FW	DL7UPN	US5CAO	KJ7WY
K8LBT	K2CJ	IZ2EWR	E73D	UT4EK	KM9E
KE2R	K4DSE	JA1BWA	EA8ZS	UT7EC	KX2A
KZ1W	K4SAF	JA1TAA	F6AJA	UX4UM	LA9GX
N2RR	K5AM	JA6VA	F8GB	UY0MM	LX1DA
N3DAP	K5ZQ	JA7BME	G3BRD	VE3VHB	N0RU
N4RF	K8JJC	JA8RRF	HB9CIP	W0YBS	N1HOQ
N6EE	KP4AA	JA9APM	HK3O	W1QA	N9BBQ
N7TY	KQ3F	JF1RYU	IK0DWN	W3DRY	N9SF
N8AGU	N0JZ	K1DJ	JA1SDV	W3TMZ	OH3GD
NA5Q	N2CW	K2XF	JA2FGL	W5CWQ	OK1DQT
OE1CP	N2WLG	K4MS	JF1EGO	W5GJ	OK2BQU
OK2BUZ	N3XM	K5AV	JF6WTY	W5ZO	OK3BRK
OK3CQR	N8AID	K7OX	JK1BSM	W6PH	OZ7JZ
R0FA	NA5Z	K7PO	JO1WXO	W7DR	PA0GMM
RN4AA	NI5M	K9RO	K0MD	WA0I	R9GM
RV6ARZ	NS3L	KI5T	K0WK	WA9ETW	RA0FA
SP3BQD	OE5CSP	KT2E	K1BG	YC0LOW	RA4HT
SP6AXW	OK1AYU	LZ1JZ	K2BLA	YO5ODE	RK3QY
US5CB	OK2BVG	N4JI	K3FM		RU3OW
VE3OI	S57AL	N4NW	K4KEW	103	SM3CBR
VK3NX	UR3CRO	N4SC	K4MF	AG1I	SM6EHY
W3KB	UT7UU	N4VN	K4VIG	AI3Q	SM7BHH
W4UCK	UU5WW	N6NU	K4YJ	DJ1MM	UA3PFN
W6TDX	V73AZ	ON7PQ	K5HK	DJ7PI	US2WU
W8VK	VQ9SS	OZ4AAL	K6UM	DL2HX	UT2AB
W9CPV	W1CWU	PF7M	K7TJR	DL8YRM	VA2ZO
WB6CJT	W2EQ	PJ2/K8ND	K9EA	DM5TI	VA3IC
WB8ART	W2LE	PY2DS	KA2BZS	DS3HWS	VE3EDY
WS1L	W2NO	R6YY	KH6KG/W5	EA7SG	VE3MFA
XE2YWH	W3ICM	RA6AF	KI0KB	EU6MM	VE3VV
YL1XZ	W4IR	RD4WM	KK9H	EW3LB	W0UVC
ZL3RJ	W5JAY	SP5JXK	KW0A	G3BDQ	W1CTN
	W8IW	UA6LCN	LZ2XF	G4AAW	W4AVY
106	W8OP	UR1RWX	N2SQW	G4PUQ	W4MZ
AA4FL	WA4MYO	UR2RGN	N3ER	G4VGO	W5THT
AE2U	WA6TLA	VE1PZ	N3TR	I0OSI	W5VU
DJ6OZ	WC6DX	VY2ZM	N4TTE	IK2ANI	W6SZN
DL1QQ	YL2GN	W1LY	N6PF	IZ0CKJ	WB8BZK
DL2NOM	YU3EF	W4OWY	N8MZ	JA2GQO	YO7APA
DL3JSW		W5KI	N9DR	JA2OLJ	
EA3CCN		W6FF	NJ9C	JA8EJO	

102	R2AB	JH3HGH	UA0FDX	G0VXE	N4CRI
A6/RV6LNA	R3IS	JH3PRR	UG6GAW	G3OIL	N4ZR
CT4BD	RU3UN	JI3KDH	UR7CQ	G4CGG	N7DED
DK3QM	SM6WET	K0LW	UT1CC	GM3ZSP	N7TK
DL3DXX	SP5MXZ	K1YR	UT4IS	I2VGW	N8IL
DL3NCR	T77V	K2BX	UT7HA	IK0HFO	N8NB
DL4CW	UA1AIR	K3SEW	VE2OJ	IK4MSV	N9ADG
DL4KUG	UA1CKC	K6AAW	VE3XB	IS0/YO3RA	NA6O
DL5RDI	UA6HOF	K6XJ	VK2GR	IW0BYL	NA9Q
EI4DQ	UA9MR	K7AR	W0QC	JA1BRK	NB3R
ES5RW	UA9UCO	K7IA	W1AW	JA1CPU	NG7A
F6BWO	UW7CN	K8BN	W1FC	JA4FSH	NJ3I
FM5WD	VE2FYR	K8ZR	W1GF	JA5DQH	NN4SS
HB9AHL	VR2MY	K9JU	W2SF	JA9CGW	NU1T
I8LWL	W1MRH	K9PG	W3WH	JO4CFV	OE5JDL
IT9SFT	W1PV	KC4PX	W4BUE	K0FLY	OH4UI
IZ4MJP	W2LW	KD3UY	W4PM	K0XM	OK1DXD
JA0HXV	W2TX	KE1VT	W7AV	K1NA	OK2PAZ
JA4EVN	W3EKT	KE4S	W7CB	K1NZ	ON4ANN
JA6OXT	W4ALF	KF7NN	W8GB	K2CBI	ON7EH
JA7EPO	W5TO	KN6J	W9MAF	K2CYE	ON7GB
JA8OW	W7IUV	KQ1F	W9ZCL	K3TZV	ON9CC
JR1BAS	WA0IDK	LA2GV	WA0RVK	K4FT	OZ1ZD
K0EOO	WD8DSB	LZ1XZ	WA3EKL	K4KSY	PA0INA
K0YN	WS4Y	N0STL	WB3HLH	K4UQC	PA7RA
K1EDG	YO2IS	N2AJ	WC4H	K7VIC	R3PJN
K1PTF		N5AQ	WK9U	K8BZ	R9JX
K2LP	101	N6WM	WR2G	K8CR	RA3SD
K2TK	AA2VG	N8AG	WW5G	K8CS	RA4LW
K3KG	AA3LX	N9JCS	YO2OXD	K8LE	RA6XB
K4AQQ	AA4NU	N9PGG	YO6BHN	K9NZ	RC2A
K4KAY	AC5O	NE1F	YV4DYJ	KB0EL	RN1A
K5ZO	CT1JGA	NX2X		KC0V	RT5A
K6DJ	D44BC	OA4TT	100	KC4D	RU3GF
K7BHM	DH2FW	OE3WQB	9M6YBG	KC5LT	S53MJ
K7UA	DK9WI	OH3TY	A41ZZ	KD8BZY	S59DJK
K8BHZ	DL1KS	OK1PGF	AA4AK	KD9HL	S59SV
KB9DAK	DL3ANK	OK2BOB	AB4VV	KP4N	SV1VJ
KJ6NZ	DL5JS	OK3EY	AC4VM	KQ5M	SV2DSJ
KN4KL	DM3ML	OK4MM	AG4Q	KS4XQ	UA3AKI
KW4BY	EA1WX	ON4LG	AI2S	LA6UL	UA4PAY
KY6R	EU1TT	OZ5HP	DJ6OI	LA8W	UA6CEY
LA3ANA	G3ZFC	PA4WM	DL1TPY	LU5OM	UN6P
N5RZ	G4FJK	RA3AH	DL1TRK	LU5YF	UR4CW
NZ3M	GM3WTA	RA4P	DL9GTB	LZ3YY	UR4LRG
OH2EA	HB9NL	RA4SD	DU7ET	MM0SJH	UR8IDX
OK1DTN	IV3GOW	RB7GG	EA2AAZ	N0AH	US8UW
OK1JDX	IV3KCB	RK9F	EA3ALD	N1KI	VE1RGB
OK3CSQ	JA1VVX	RY6M	EA8AXT	N1MD	VE3OAT
ON5UE	JA2VMU	SM2DMU	EC5A	N2DPF	VE7JKZ
PA7TWO	JA6TMU	SM7NDX	EI9E	N2SG	VP2VA
PV8ABC	JA7SFD	SP7JLH	ES5NC	N2XQM	VR2PX
PY2DO	JF1RPZ	SV1PL	FM5GU	N3AF	W0GYH

W0MU
W1AN
W1YRC
W2CCC
W3BBO
W4HHN
W4OV
W5BK
W7DT
W8CNL
W8FN
W8GDQ
WB4SON
WU2M
YB1TJ
YL2SM
YO9FLD
ZP9MCE
ZS2DL