

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 08 Feb 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	UA4CC	316 4X4DK W2VO	310 I4AVG KJ9I RA3CQ SM5BFJ SM6CVX	304 CT1EEB DJ0MDR SM3GSK	N1BUG OE1WEU SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	315 IK4WMA K5RK OH3SR S50U W1JR	309 UT5UGR W5IZ	303 F5LGE JA1BK JA4LKB K1UO YU1FW	298 9A2AJ IK2DFZ OZ3PZ SM5CEU
340 K1ZM	324 K2TQC OH2BO W1NG	314 IK4GME N1DG NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG	302 DL4MCF GM0GAV GM3YTS	297 DK5PR N4CC OE6IMD OM2XW RA3DX W0FLS
339 W4DR W4ZV	323 EY8MM S50A SP5EWY	313 GM3POI OE3GCU OZ7YY	307 DJ7MI N4RJ OH5VT UT3UA VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX S54E	296 DF2UU F5NTV G4PWA JA2JPA ON5NT W1JZ
334 N4WW OH2BU	322 K4PI UX0UN W3UR	312 OH1MA	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD PA3FQA RC3FL SM3EVR SP3EPK SV8JE VA3EF	295 K3UA
333 R7LV	321 WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A RZ3AM SP2FAX	305 JA7NI K4ZW N4IS NN4T UA6A	294 DL1AMQ JA4LXY JH2FXK LA5HE RJ3AA SV8CS WD5COV	
332 UR0MC	320 SM4HCM W8UVZ				
331 K5UR	319 K8MFO N0XA SM4CAN				
330 AA1K HA0DU LZ2DF OH1XX UT7QF	318 W9ZR				
329 K3UL UA4HBW	317 W3LPL				
328 R4GM					

293 S58T	VA3DX W4PK	NJ6P SM4DHF SP6HEQ YO3APJ	K1ZZ KF2O SP6AEG W6UB	NR1R R3LA W8TE W8XD	259 DF4PL F6GCP I1FQH R9FM
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN UA6MF	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA1V AA4V AA6YQ AA7A G4OBK RW0LT SV8BHN YO5BRZ	258 G3ZSS KW9A N5KD RN3CT VE3QAA
291 9A7V DF3GY KD9SV N0TB R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	285 CT1APE G4CCZ HB9BGV	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W UR5WA	272 9A2EU CT1EKY DL1DUL DL2OE SP6CIK	264 IK2YCW K7ZV SP9JZU W1GL	257 K1GUN W9YSX
290 IZ0AEG UA3AKO	284 K5XI UA3AB	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK	263 IZ1ANU K9OW LA5IIA W2SM W3AP	256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL N8TR PA7MM W1TSP
289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	283 NA0Y NO3M R3OK	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ RU3FM	270 JA5AUC OE5KE SM5KNV	262 G0DQS IK5HHA K4XP KR9U W1YY	255 K4QL KY7M N2MF R5AJ UX0FF W3DF W5OZI
288 PA3GCV RY9C SL0ZG SP7VC UA4LY W0JX WK3N	282 DL1YD I0WDX JH4IFF K4SO K8KS N2LT N7NR SM6CTQ SP3DV US5WE UY5ZZ W0BV W2YC	275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU SP5CJQ UW2ZM VE2TZT	269 K6ND KD5M RV3LO W1ZC	261 9A4T DL9YX EI7BA K2EK K5KC N3NT N6SS NO8D SP1S SP5DIR	254 N0AT OM3DX WA4FFW
287 DL1RWN G3XTT N2QT	281 DF2PY HB9BIN JA2PJC JA5EXW K1CP K9CT S59Z W4TO	274 G3TXF	268 DL5DSM G3WPH RA3XDX RK4FD W1MK	260 EA5BM K1LT K4DY KX4R	253 5B4AGN AA1QD K5ESW S58Q UA1OMS W0YG
	280 EA6NB		266 K8PT LA3MHA		252 EA1DR IV3YYK

JF2MBF	JF8QNF	240	KA9CFD	SM3NXS	K9FD/KH6*
JG3QZN	K0IEA	JA0CRI	N6DX	W4GF	N4CH
JQ3DUE	N6TR	K0JUH	OK1CF	W4VQ	RA3QK
ON4AOI	TF4M	K1FZ	R7DX		RV1CC
PA4VHF	W2TQC	K1ZG	VE3XN	229	RW3XZ
R5DT	W5XZ	K9OT	W3LL	CT1FJK	SP3CGK
S52F		LA2XPA	WA7NS	DJ4AX	SP8NR
W3UM	245	UR5MID		JA8FKO	US0SY
	AB3CV	VO1NA	234	J11BEX	VA5DX
251	DL4CF		AC4G	OE5NNN	W7KW
DJ7RD	JA1GV	239	AJ6T	RO7T	
DL9RT	N9US	G8VR	IZ8FFA		224
I1EIS	RL9F	JA5MHD	K1AR	228	DL5WW
JA2VPO	RY7G	JR3GWZ	K4UTE	AF9H	I3BUI
JH0BBE	W9XY	K0KT	KF0QR	AI0O	IZ1LGB
N4II		K1HTV	PY1BVY	EA1N	N8BM
VK4MA	244	KH6AT		K4HB	SP5INQ
W5UN	AG9S	LY3UM	233	N2WK	VK6VZ
W7LR	DK6WL	RN3QN	AB4I	OH2BEN	W0VTT
	F6BLP	RU3QR	EA6VQ	SV8CKM	W2RQ
250	IK0XBX	SV1ELF	JA0FSB	VE3DZ	
HB9RG	JA1HGY	SV1RK	K0CS		223
NQ1K	JA7QVI		K2UU	227	AB0X
OZ8BZ	ON4IQ	238	KA7T	DL7HU	HA7TM
PY2RO		DL8WN	SK3PY	E72A	JH2TPI
	243	EA6ET	UA4HAU	ES1RA	RT6T
249	DK2JX	IK0XEZ	VA2WA	IK0HBN	SV2JAO
AI9L	DK3DG	JA0DAI	W7AO	IK6FWJ	ZS4TX
IV3ODE	IK0MHR	K1DG		JA1UQP	
JR3IIR	NN4X	VO1HP	232	JA9CHI	222
K9NW	ON4ATW		JA8EAT	K1FK	DF6PB
SP5DRH	S57A	237	K2AZ	K3NW	IV3JVJ
	W9RPM	DL7MAE	K4XL	KD0Q	K3SV
248	WX4G	NI0G	NI6T	W1TC	K6EID
K3WW		OM4EX	NV9L	WB6RSE	N5AW
K5RX	242	RA0FF	S51DI		N8PR
K9RX	KG7H	UR5EDX	UA3AP	226	N9BX
N2NL				JA2NDQ	SM0CCM
SM3VAC	241	236	231	JA6BZI	SP7GAQ
SV8GFW	EA4KD	K1JO	4X4NJ	JF2KOZ	W9BF
T77C	JA1SYY	K9NR	HA9RE	JR6EZE	
UT9FJ	JA3EMU	K9ZO	IK0YUT	K9FD*	221
W9NGA	K2FF	KC7V	JH1HGC	N6JV	DJ8NK
	K5ZK	OK2ZI	N6AR	ON4GG	K4MWB
247	N4XM	OZ4O	N7NG	UT5JAJ	K8FH
K6XT	N5TY	SP8AJK	ON4ACG	VE6WZ	K8SIX
NO2R	N7RT	YO9HP	W9IXX		MM0EAX
NO2R	OE2LCM			225	N6VR
R7IA	OK1DWJ	235	230	A45XR	W1ZK
WB3AVN	SP5GRM	CX6VM	DJ5FI	IW1ARB	W6JRY
	UA3TT	JH4ADV	FK8CP	JH7PFD	WA7NB
246	VE1YX	K3SWZ	JA1CMD	K1MM	WS6X
DJ2TI	VE3NH	K5EK	N8JV	K5AB	
F2JD					

220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR K8ZTT KA1R N1LN N5JR VE3EXY	YU3AA YV1DIG	211 F6DAY IK4DRR JA4DEN K3WA LA7GIA NX0I RU3SD UR5FEO W1ECT WA5VGI	W0LS	DL9DRA EA1RT JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR W7DO WA2HZO ZL3IX	W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP JG1ULJ LB8DC N0AV OE8RT RA3WDK SP4K UT7UV WA2UUK	215 AD5A JA9PPC N7JW RA1QD W0UO W2LK W6YI	210 I8SAT JH0INP JJ2LPV LA4GHA UW7LL W7JW	206 DM5EE IK0IOL JA3PIS K2VV K5AQ KG9N N8DJX SM6BZV US0KW VE3BW	SM2OAN UA9FAR W7DO WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR KV7K RX3APM W8HB
218 DJ4PI DK0PM IK1YDB 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	205 I4KDJ JA3AAW JA9FPI K1DT PY2XB W8UN WB8ZRL	201 AA5AM CU2DX DL1EJA F4BKV JA9NFO JO7WXN K3HP K3LR K5MC N4QS N5ZM W5TCX	197 G3SNN I5KKW JH2UVL K8NVR LA5YJ OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL
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	204 DJ5AV IK7NXM K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U W18A	JA9NFO JO7WXN K3HP K3LR K5MC N4QS N5ZM W5TCX	196 4Z4DX AA4HP AG4W DK2LO F6EXV IK4PLW JA4PXC K8PO KA9FOX KP2A ND0N RA9CMO RZ4FO W0FS W2FCR
216 JA6LCJ JH1IFS K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I LA7JO N1ZZ N4MM OZ1AXG SM5CZQ WB9CIF WS9V	207 I4LCK K1LPS K3JT K5RT K8EUR N9AU PY2BW	203 IZ8VYU JA2XYO JE1PNX K4XO K8AC K9MMS KK2I PA0A R6AF W8GC	200 JA1GTF JH2RMU K1GE K9US LA7HJA RW4NN RW7M UY0ZG W0DD W0MHK W2IRT W3GG	195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K7SO K9RT KF8UN N1SV

NK1K	K8FC	186	JA1SHE	177	JK1OPL
W5ZG	K9LA	9A8A	K8RRT	9H1SP	JR6PGB
W9OP	RK2FWA	IK2QPR	UR3EO	AE5E	K0TT
194	190	IZ8FWN	W1YM	CT1EAV	K2KA
K4KDX	CT1IUA	JA8DNV	181	CT1GFK	K3AJ
K9JF	IZ8XQC	K0BJ	DK3WW	EA8JF	K4TR
KB9LIE	JA1DUH	K3PA	N3OC	HA5WA	K4WS
KC9ARR	JA1MCU	K6SRZ	VE3OSZ	IK4ADE	OE1WHC
W1NT	K2TE	K7LAY	W9AJ	JE1BMJ	OK1DWC
W2LO	K9KU	WA3C	180	K3WC	RN7F
W4FC	KF7PG	185	DM2DXA	K9NU	UA3LNM
W4UM	KM1D	AB6QM	DM3VL	SM6DHU	W8UV
W9OO	LA7AFA	EA6BF	JA2BDR	W2OR	W8VVG
WD8JJA	N4XU	G3KWK	K2EP	W5LT	WT8C
193	N5GH	IK3SWB	K4CN	W7FI	173
DL5ZB	SP2LNW	K0BBC	K6SSS	176	5B4ALJ
DL6ZXG	VE7VV	K5ZD	K7BG	EU1AB	I1JQJ
EA3WD	XE2X	N4TJ	LA9AJA	I6FLD	JA1PPW
HA5BSW	189	N5UR	N1RR	JA0DET	JA3ENN
JA1XEC	9A2F	OE2BZL	N4AH	JA5IU	JA9TWN
K4ODL	EA8PP	SV1DPI	ON5FP	JA6BJV	K1NTR
K9YY	FM5CD	UA9CBO	UT2UB	JA8KSF	K4XR
KB8VAO	JA3RAR	184	W1RM	JL1SAM	KA1J
N9EN	SM7GIB	I2AOX	W3YQ	K8MN	N5FG
PA0LOU	SP7HOV	JA2ZL	W8TN	N5OK	PY5EW
RN1ON	UA7T	JF1NZW	179	RL3FA	W8HC
UA0CA	WE9R	JF1PUW	IT9ELD	SM5FUG	172
W9MU	188	JH1RFR	IW0SAF	W4BP	G0BLB
WA2VYA	AA1ON	K4HGX	K8WK	W4GD	G3NKC
192	AB4IQ	KB4ET	OK1MG	YO7NE	IZ5MOQ
9A2NA	JA1KQX	KL0S	S57UN	175	JA3FGJ
DK1FW	KB0EO	OH2IS	SM4DDE	JA1CHN	JA9NLE
IK0FVC	KB1EFS	S57AC	SV3FUP	JS3CTQ	JG3IWL
JA0EOK	N8LJ	US8UA	W2YJ	K4DLI	K0DEQ
JA7JWF	RM0F	183	W7BEM	K5GKC	K1BD
K3FN	W6SR	CT1FMX	W8KEN	LA0FA	K6FG
K4FJ	W8JV	CT3MD	YL2TW	N7IR	KJ0M
K5XX	WA6YEE	IT9INO	178	N7XR	W4FQT
K7GM	187	K8VC	EA3CJ	SP1MGM	WC4X
K9EU	AJ1H	KE9ET	HK3W	TF3SG	171
N4DB	DF2GH	LA3WAA	JA2LCP	VE3FF	AA9D
N5LZ	JA0VSH	NN2L	JA4MRL	W7MEM	DL6KR
W3UA	K0SR	ON6SAS	JE2URF	WX0V	G0EHO
W8LGJ	KN5O	W2FP	K2UR	174	HA9PP
WN6W	N2NS	W8NW	NE0U	4Z5CX	JA6HUG
191	NE1B	182	SM7DLK	4Z5MU	JR1TNE
G0OIL	OK1CZ	DJ9ON	SV1JG	JA0GJJ	K1NU
JA1ANR	SM0NJO	DK3UA	W6NWS	JA2XW	K9YC
K0JGH	W7AWA			JA7MOL	LA5LJA
				JF7DZA	N0RN

N4OGW	167	W5BN	LB2TB	RU6M	K2LS
N7RO	DK5AD		N4GN	SM4EMO	K4WA
N9RC	JE3ENP	164	OH6RA	W0SZ	N3RC
RA3DNC	JG0CQK	GU4YOX	VK3HJ	W1OX	NE0DX
SV1LK	K4XD	HA7UW	YU2TW	W2XL	NW7E
WB7B	K6KO	HB9BZA		W3GQ	SM6VR
ZS1LS	K8NK	JA1RTX	160	W4QN	ZS6EZ
	N0IJ	JA7ZP	AD5Q		
170	N3BNA	JH2SON	DL1DA	157	154
CT1FPQ	PA3C	K1NJ	EC3A	AA4H	3V8SF
DJ6TK	RA1AOB	N5WA	EI6FR	AC6DD	GM3PPE
JA6JPS	RN9N	N9FN	HB9DHK	DK1WB	JA8NFV
JF1WPB	S51EC	RA3ZH	HB9FMN	G3TQZ	K0KVR
JM1GYQ	SP3FAR	SV2AEL	IK0FUX	G4GIR	K4RG
JR7BDQ	UN9L	W4NS	IW2FND	JA1GHH	W1NA
K6ZZ	VE6WQ	W7YAQ	IZ4DPV	JH2QMT	W2XI
N4PY	W1YW	WP4U	JA2EPW	JH7IAJ	W5DNT
SP3GTS	W3IP		JE2LUN	K9GA	WB0TEV
SV3KH	WA0MHJ	163	JE2OVG	LY5A	WE1P
W9EVI	WA4LOX	9A2JK	JF2XGF	N5MOA	WS7L
WA3AFS	WC5N	DJ9HX	JR7MAZ	NE9Z	YS1RR
		K7NN	K3MSB	RN3OG	
169	166	K8TL	NR4M	RU4UR	153
IK0PEA	4Z1UF	UR4CWQ	RU6L	SM3PHM	AJ9C
JA1ADT	DJ4SO	VE3CFK	UA0FZ	SV8ZS	DL3ZA
JR1IZM	IV3TDM	W7AL	UX5UO	W2TA	EA5BY
K1LI	JA1FNA	WW3S	W1BR	W5GZ	G3TJW
N1EN	JA9LJS		W5XC	YV2IF	HL2CFY
N4XX	K3KY	162	WX0B		JF1IRW
N7US	K4JLD	4O3A		156	JR9OPJ
PE1L	K4PB	9A4W	159	DL4MM	K7SP
UT8MM	K4ZYU	F3AT	JA4FKX	F6HDH	K8VFX
UY5AA	K9MBQ	JA6GIJ	JE2LPC	HB9TKS	N4TV
WB3JFS	OH2BLD	K1KI	JH6QFJ	IK0AGU	N5TW
	RM3DA	LB6KC	JH7CFX	IZ8IEV	N8II
168	W1RR	N8MR	K1KA	JO7HAM	R9OK
G3MXJ	W8ILC	RW3RN	K4RO	K0QC	SM6CLU
IK2EGL	WA8TXT	W0HT	W3HKK	K8YSE	SP5CCC
JE7JDL		W0TT	W6BJH	KS1J	UT5UY
JF2UPM	165	W1LW	W7SX	N3UA	WB8BPU
K5QY	DL7UCX	W3JX	W9RN	N4HB	
K8RYU	I2ZGC	W4DKS	WD5BJT	UA3SAQ	152
KR4F	JA6VQA	W8WEJ		VA3LX	EW2A
N4QQ	JE7RJS	WA9PIE	158	W1YIF	HB0CC
N8BJQ	JN4MMO		DJ4PT	W4TV	HB9BUN
PA7F	K5JZ	161	DL1FKA		JT1CO
SP5GH	KI5BLU	DK2GZ	JA9APS	155	KS3F
W4SVO	KK4CB	DL6RAI	JH1TWT	AB9V	N9OY
W6RW	NY0V	JA1DOF	J11FXS	DL1RK	S55ZZ
W6VX	RC9F	JH4CPC	J11NJC	DL4SZB	UA6IGI
W8OI	SM4CTT	K1USA	JR1GJP	DL6MRS	UT5AB
WA5YNB	SP6EQZ	K5GO	K5TT	JE2DZC	VE6LB
	W0DJC	K8ND	OZ1HX	JE3GRQ	W1SKU

W1VT	K3RA	K5VWW	143	NJ3K	138
W6RLL	K3TN	K6NR	DL1DUO	OE6VIE	DK8MCT
W7AJ	K4YYL	K7WP	DL6EN	SV3FUO	DK8YY
WB3CQM	K8ME	N7BT	HS0ZEE	W3BW	EI9FBB
151	K9MK	RU0SN	K7CMZ	W4JVN	EU4A
AA7G	NX8Y	W1IZL	K7CW	W4VIC	F6DDR
DK2OY	SM6CUK	W1ZT	K8ROX	W4WT	IK8EPC
EI9JF	UW7UA	145	KJ9C	W8HW	JA3OOK
F3SG	W0GG	AF4HX	LZ2ZG	ZS1C	JF3LOP
JA6BEE	W7HPW	HI3T	N2RJ	140	JH7RXU
K2FW	WB8B	I0JBL	N2WM	9A1CAL	JK1AJX
N5JB	WD5K	JJ3HGJ	N5UW	DF2RG	K1RO
OK1ATP	WS5W	JN1BMX	N6PAT	K5WK	K2RET
RD3A	WW2DX	K1OA	R8TX	K6KLY	KJ6P
RU3A	YO3DDZ	K3VAT	W0IZ	KF8DX	KK1W
S54A	148	K4OY	W6QUV	N4XP	NA5C
SP7AWG	DK2CC	K8BL	W8RLS	N6PSE	ON6AA
SV9AHZ	EA7TV	KF6HI	WB8ZRV	N7WS	OZ8X
W7RH	F5CQ	LA6OP	WD9DZV	OH6NIO	RW4CY
WA1Z	F5LVL	N1CGP	142	OK2ZV	V51B
WP4G	HB9SLO	N4GG	I5HOR	ON7DR	W1GD
150	JH1QDB	N5XZ	IT9BLB	UN1L	W2YE
EA1AF	KR2Q	RT0F	JE1FQV	VE6SV	W4YV
IT9DSZ	N2WB	SM3DTR	JR7WFC	W0SEI	W7OM
IV3RAV	NE3F	144	K3PP	W4NU	137
JA2NQG	W5FKX	CU3EQ	K4WZ	W7IV	EA1YO
JA2VQF	W9JJB	DL5CW	KQ4AV	W8LWU	GM3YOR
JH1NYM	147	DL5KUA	LA9VFA	WO2T	IZ0RVI
K0RS	EA3GP	E70T	MM0SAJ	YL2MU	IZ2FOS
K7LV	IV3VBM	EI6IZ	N7QT	YO9FNP	JA3APU
K8AJS	JA1XQC	GM3ITN	NA4D	139	JE6TSP
KU4XO	JH4ALY	HB9BYQ	NQ7R	CU2AP	JH4JNG
N3QE	K2AX	I5MXX	NY2NY	DF7EE	JR1XIS
N9CO	K7HP	IT9GSF	OK1DO	DJ4XA	K2QMF
N9MB	K8UT	IZ4GWE	W2OO	DL5EBE	K8NS
OE8SPW	KM1H	JA3GN	W5ADD	DL8OH	N2PK
SV1CNS	N1IBM	JR3OEH	W5LUA	JA1TMG	RA3CO
UA6YW	PC3T	K0VSH	W5VQ	JH0BQX	RG7G
W6DAO	UN7LZ	K5TR	WA5POK	K3ANS	UU1JA
W7CT	W1OP	N1IX	WB8CQV	K6AM	W1ITU
WA2BCK	W2KKZ	N3KK	141	K8GI	W2CG
149	146	SM4OLL	AC9S	K8RF	W5ODD
AA6AA	F5PAC	SM5CLE	DL5MHQ	KD0PO	WB5JID
DL7CX	G4FTC	W2/CT1GIF	EW1BA	KU0A	136
HB9HFN	JA1HQG	W4GE	JA1PTJ	LA8WG	DS1JFY
IK4FNF	JA4DHN	W7ZI	JA2ATE	OK1MP	E72U
IZ3ENH	JH1GNU	WC5M	JA5XAE	OK2QA	ER0FEO
JA1SVP	K1CA	WD5T	JA9RRH	SM5CBM	IK8CNT
JL1ARF	K5KV	YO3CD	JL1UXH	SV8ZC	JA4OK
JR5JAQ	K5SM		K2RW	W0SD	K0TV
			N8OC	WA8WV	K6EME

KR6C	W4JKC	WB3D	W2MPK	JA1WLO	HB9RYZ
N2ZN	YU1AM	XE2S	W9ZT	JA8RJE	HK4SAN
OK1DW				JS2LHI	IK5DNF
SM5OJH	133	131	129	K0RW	JA4IYL
SP2BMX	9K2NO	CT1FCX	HB9AZZ	K3TRM	JA6VU
UT3UZ	EU1U	DK7YY	JA1NWD	KM4NS	JE1TSD
UW8SM	IZ8DFO	G3UHU	JA8JO	N1AC	JE6UWU
W2OIB	JA7GLB	HS1NGR	JI4POR	N1GC	JF2WXS
WB7QXU	JA7LGE	IV3KFB	K3NK	OE8HIK	JH3CUL
	JA9AGN	JA2TBS	K4TT	S51NM	JH4ADK
135	JH1HHC	JI1DCW	K6XM	SK7AX	JL1RUC
5B4MF	K1ZN	JJ1TEA	KM3V	SM0BYD	K1HAP
DJ9ZB	K2CDJ	JM1FHL	N0YY	SP6A	K5KG
F6FXU	KS4YT	K1UU	N3KS	SP7ASZ	K8DV
HB9IQB	KU2A	K5VIP	N3RR	W0CP	KA6BIM
IK8GYS	N9MR	KC2LSD	OH1JP	W0RT	KI4WCQ
IV3DXW	OE1KM	KH2L	PY5EG	W0YVA	LZ1XL
JA7LMZ	RA5BM	KM4H	W7QHE	W3BG	N2KA
JA8BNP	RV4LC	N4QWZ	W8MET	W3MF	N3EN
JA8JL	SV5DKL	N5PHT			N4JT
JH4HMG	UQ2PZ	N6RK	128	126	N9RD
K1ZE	VE3WT	NA5DX	AA4SC	DJ8WD	ND5S
K7FL	W0NFL	NN4R	DM2RM	F8BPN	NW6S
NZ9R	W2QO	ON4ON	HB9CQK	G4IUF	OE1AZS
R7LP		R0SR	IT9ZZO	HB9FMT	OH1ZK
RN3RQ	132	R9MJ	IU0HDC	IZ7EVZ	RA0BA
SM3LGO	AA4NC	R9SA	JA2AHH	JA1XCZ	UN7JID
SM5CZK	AB9M	W8DCH	JA2KSP	JA7KY	UU7JM
SP3XR	AD6W		JA9AA	JJ1DWT	VE3UTT
W1DIG	IT9RDG	130	JE1LFX	JN1RQV	W5DAW
W2GD	JA2KVD	DF9ZW	K0FF	K2ZD	W9CG
W4BUW	JA6CBG	E73M	K3XA	K4JKB	YO2RR
W4MBD	JR2LJO	EI2JD	K4JAF	K4XU	
W4RFZ	JR6FC	G7VJR	K4SE	LB7ZG	124
W6JTI	K6YUI	HK0HEU	K6LPO	N8NA	AA7XT
W8GNM	K7TM	JA2FBC	KG7CW	OK3CQD	IK3VBB
WE4S	K9ZM	JG1DUZ	LB5WB	OZ1IKY	JI1DHY
	N6HY	K2MYR	N5KM	PA5TT	K4ZO
134	ON4CAS	K6SIK	R9SG	SQ5EBM	KD4POJ
CT3HF	OZ2RH	K7LFY	S53X	VE3CX	NA2U
IK4DCS	SM4BZH	K8BCK	S55DX	VE7BV	PA0TCA
K1TO	SM6BGG	K9GL	SM3GQP	W8MK	PA3EWP
K3OX	SP6M	N3MK	SV3DCX	W8REW	UA0BA
K7XB	VE3CRG	NA4EA	VQ9LA	W9ILY	VE1DUN
KA8SYV	W4AXL	NO9E	W2WC	WB0O	W2JU
KX4TT	W4RBO	OZ2ABI	W4IS	WB2REM	W2RIJ
N9RS	W4WM	R3VA	W6RKC	WD4LBR	W3FM
OE1TKW	W5AJ	R5QA	ZS1A	XE1KK	W6CYX
PY5HOT	W5SL	R9AB	ZS6UT	YU1EXY	W8LMG
RG6G	W6DR	RU1AO			
RX4HW	W7AH	TA1CM	127	125	123
UA0ACG	W7CD	UN7JX	HK1MW	9A1AD	AB1OC
W1EQ	W9FR	VE3DO	JA1DDH	GW3TMP	AC4TO

DL7JRD	UU4JMG	OE3EVA	AG1A	N4IR	HA5UK
DL9FCY	VE6AX	OZ2A	DL5OCE	N6MB	IZ7JVR
F4GTB	WA3I	PZ5RA	JA4FHE	N8AA	JA5FDJ
G4WFQ		RL3BZ	J18DGO	N8XI	JH1RFM
G5LP	121	SP7ITB	K3WGR	NY4G	K0GD
HB0WR	AA6RR	UR5IKN	K4CNW	SM7BIC	K0SD
IK2CHZ	CT3KN	US0YA	K8LN	SP8HKT	K4CMS
IK3XJP	DF1DB	W2YR	K8WVA	UA6J	K4GHS
JA0CRG	DK1EI	W3OA	K9DR	UB3A	K4GK
JA1SJV	DK6CQ	W4PRO	K9SG	UR9IDX	K5XM
JA3MHA	IK2SGB	W6RFL	KD2T	US1CT	K8YTO
JA6WJL	KD8RQE	W7RN	KD6UO	W4ZRZ	KO8SCA
JH3AIU	KG9Z	ZL4AS	KG8CW	W5JMW	KV1J
JR1EBE	N1JP		KV4AA	W6SL	LY4T
K2PK	N6HC	119	LZ2HM	W8ZR	N0IRM
K3XO	SV1AHX	AA3AZ	N2MM	WA2USA	N4OA
K4ZIN	UQ1GWW	AJ4A	N3NR		N8KOL
K5GH	UT4EO	DK3GG	N4DJ	116	PA3AXU
K7UT	UU2JQ	EW4M	PY2PA	AJ4F	RZ6MJ
K9CS	VA3AYA	G4DJJ	RN3TT	DL7URH	UA1ANA
KV4T	W0QQ	HB9AAQ	SP6JIU	EA5BRE	UA1CGS
N2ED	W2GG	HB9BCI	SV9COL	EI2GLB	UA6XT
N4DWK	W2TB	I2TZK	TA2RC	HA7PF	UN6T
N6MZ	W3RJW	I4MKN	VK4CAG	IK0EIE	VE3YF
N9JV	W6XI	IU0LFQ	W1KSZ	IK2OHG	W1OPD
N9LQ	W9YE	JA3AZD	W4DAO	IT9TQH	W4UCK
NA2P	WA1PMA	JA4XGC	W4NF	IV3HYD	W9XX
S50B	WY1G	JE2JMV	W4NJ	JA1WTI	WA7BNG
UA3DK	XE1VIC	JH6CDI	WT4Q	K1DC	YL2CZ
UT3QU		JR3UIC	YO4AUL	K1RI	
W1AO	120	K5UZ		K3FRK	114
W8NJR	9A5F	K7EG	117	KT1V	AA4DD
WB8K	AC9EM	K8KWT	9Y4VU	PA0JSE	BA4DW
WV4TN	AL7TC	N0KV	AE0P	RV3ID	BA7IO
XE1H	DL2VWR	N4LR	BH4IGO	TZ4AM	CT3FN
	FG5FR	N8PW	DL1DWT	UA4PCM	CU3AK
122	HB9BLQ	N9UA	IT9AAI	VA7CRZ	DL6NB
G3NDC	HB9DHG	NT2A	IT9DAA	W1ENE	F6CWA
HA1RB	IZ0LKV	NY7T	JA0AOO	W1WEF	G3SDL
JA1MRM	IZ5NFD	OH5NG	JA1HQT	W7GG	HK3PJ
K1ESE	JH4GJR	OK1DT	JA4FM	W7OEV	HP3TA
K1YT	JR6LLN	R6FFB	JA7GYP	W8LRO	I5OYY
K2MP	K2BA	SV1ACK	JA7IC	WP3R	IK7YZG
K7ZA	K2HK	SV1IW	JM3GXU	WQ5L	IW0HEX
KR0P	K3QIA	W0RX	JR2UBS		JA2KNW
LA7WCA	K5JC	W4HZ	K1BZ	115	JA4KDT
LA8PT	K6FW	W8FIB	K2BB	AA5JF	JA5WIZ
N9AW	KA8ZPE	XE1RCS	K6PJ	C6AGU	JH1AGU
NA9RB	N0OK		K7PI	CU2CE	JH6WMJ
NN7X	N4BAF	118	K8OOK	DL9GOA	K1RV
OE3SGU	N4TB	5T5PA	K8QM	G4XEE	K2DC
OZ3Y	N4TL	AB2E	N2BJ	G8BCG	K3MD
RD4A	N4UFP	AE3T	N3ND	G8DX	K3OSX

K5RJ	W2GW	VE7XF	W4OX	W4DC	G3VAO
KB8U	W6BK	W1HEO	W5AQ	W4NE	HB9BAT
KZ4V	W8FAX	W2CVW	W7VS	W5VY	HB9CEX
N1QY	W9DX	W2SKI	W8KA	W5ZPA	HB9FAN
N2JJ	W9VNE	W3MR	W8MIL	WB4TDH	IK0PRG
N3MN	WA4DOU	W3UL	W9RB	WL7E	IZ0BTV
N4IQ	WB2HJV	W4VHF	WA2BOT	XE1FAS	JA2MOG
NU8Z	WB2UFF	W5VX	WA2MUA	YU7AU	JA3NHL
UA3FT	WS4C	W6TC	WB9EEE	ZL3NW	JJ2PIK
W0VX	WX3P	W8GEX	YL3DQ		JK1MZT
W4TUN	XE1RBV	W8HMK	YO6HOY	109	K1EP
WA1FCN	ZL1BYZ	W9SE		DF1KG	K1XM
WA9YYY		WA8MCD	110	EA3GHZ	K2CJ
WN9O	112	WA8OLN	CU3AN	EU4T	K2KQ
XE3ARV	A92IO	WT9U	DG7RO	F8EZE	K2MK
	DJ1RL	ZP6CW	DL1VDL	G3SVD	K4WY
113	DK5RL		EA5BYP	J68HZ	K6UT
9A1A	DL5CL	111	F5BAR	JA2CXF	K8OM
BA4RF	EA1JO	AA4U	G3LNS	JA4BXL	KM8AM
DJ5DT	EI8IU	AB4GE	G8AJM	K2ONP	KN4JX
DJ9RR	EW1DO	AF4OX	HC1BI	K4RDU	LU2DKT
DL8CM	G3XGC	DK2WH	I2BBJ	K5KA	N4MEC
DL8DYL	HB9CRV	DK6ED	IK5RUN	K6MW	N6RFM
EA5KA	HB9EFK	DL1HRN	IK8UHA	KC2STA	N9TF
G4AFJ	HB9G	EV1R	IZ0CKJ	KE1F	NU4Y
JA0GCI	IU8FRE	F6ECI	JA9KRO	N1BZ	PA0ZH
JA2HYD	IZ4DIW	G3PLP	JE2UFF	N8NN	R5FY
JA4ITW	JA1SXR	G4DBN	JH1VHU	N9ISN	R7LA
JH1ORA	JA7BXS	HL3GOB	K1EO	ND4V	RX6DX
JH3GCN	JG3LGD	JA1AUD	K3JRR	NN4RR	S57J
K5CD	JI4WAO	JA1FGB	K3PH	NU4I	SM6AOU
K8SL	JK1EXO	JA1NCZ	K4WW	NX7U	UX7UN
K9FN	JR7FRW	JA1OVD	K5WAF	PY5CC	UZ6LWZ
K9GWH	JR7TEQ	JE2EHP	K6MI	RW4UU	W2UB
KA4RRU	K0JPL	JE8TGI	K6VKO	RW9QA	W3NRJ
KH6DX	K0TPP	JF2WGN	KB4MRX	RX3AGD	W4ZYT
KI0G	K1KO	K2HAT	LZ1PM	TG9NX	W6KK
KT1J	K3NF	K7ORK	N2CG	UB5ZAL	W7ACD
N7KO	K4UAS	K9AJ	N3HBX	UT7KF	W9HBH
NA3F	K8CC	KM1R	N3IQ	VU2CPL	WA2ALY
NG0G	KB2FCV	KZ0X	N3JB	W0VHF	WA4CEM
NI5F	KI4DLS	LA0CX	N4KE	W5WP	WA8MOA
NK5B	KM1C	N4WJ	N5BO	W9FI	WC1M
R7NA	KM3T	N7BD	NC6K	WB5TUF	WD9EQU
RA4UN	LA8HGA	N9HF	NY4I	WC2K	WW1WW
RZ3AUL	N5ZC	NA1DX	OZ1LCG	WN0L	
SM5ARL	N6MA	UR6QA	RD9M	YV3AGT	107
SP3EPG	N6PE	UT1UY	SM5BHW		4Z5LA
SV1FKZ	RU4SU	VE6KC	SV1VS	108	DJ8ES
SV1JFV	SM3DMP	VE7CT	UA3O	AI2Q	DK3FB
SV2AVP	UA1ACG	VE7UF	US7MM	AL7R	DL2CHN
UN7TW	UA1CEI	W3FOX	W0UY	DL6CNG	DL5XU
VE3KI	UT6UD	W4HOG	W3XY	ER1LW	DO4DXA

EA5AT	DL3JSW	105	VY2ZM	N6PF	IK2ANI
EA7QW	EA3CCN	DF2PI	W1LY	N8MZ	JA2GQO
FG8OJ	HA8DZ	DF8AA	W4OWY	N9DR	JA2OLJ
G4AKY	IW3GJF	DJ3XD	W5KI	NJ9C	JA8EJO
G4RGK	JA1VLK	DJ6KH	W6FF	NK7C	JH1DGQ
HI8R	JA2MNB	DL4ZAB	WQ5W	NN3Q	JM2RUV
I5IHE	JE6IGP	DL6JZ	YU1NR	OH2OT	K0EOO
IT9XTP	JG3HBO	DL6XK		RA1QX	K2UVV
JA5EY	JG5RVQ	DO1CTL	104	RU3UR	K4LQ
JA8JTH	JH2KKW	ES1GO	9M2AX	RZ6DX	K5JUC
JH9DRL	JJ0NCC	G3YUV	AD1C	RZ6LB	K7BTW
K3SW	JR0EQQ	HA8FW	AH0U	SM5CCE	K8CCV
K3YBN	K0DEW	IZ2EWR	CP8HD	SM7CQY	K9MUG
K5FZ	K1PX	JA1BWA	CX3CE	SO5AS	K9XJ
K5KPE	K4DSE	JA1TAA	DK3BK	UA9FGJ	KE1IU
K8LBT	K4SAF	JA4EVN	DL4FAP	US5CAO	KJ4R
KE2R	K5AM	JA6VA	DL7UPN	UT4EK	KJ7WY
KZ1W	K5ZQ	JA7BME	E73D	UT7EC	KM9E
N2RR	K8JJC	JA8RRF	EA8ZS	UX4UM	LA9GX
N3DAP	KP4AA	JA9APM	F6AJA	UY0MM	LX1DA
N4RF	KQ3F	JF1RYU	F8GB	VE3VHB	N0RU
N6EE	N0JZ	JO4CFV	G3BRD	W0YBS	N1HOQ
N7TY	N2CW	K1DJ	HB9CIP	W1QA	N9BBQ
N8AGU	N2WLG	K2XF	HK3O	W3DRY	N9SF
NA5Q	N3XM	K4MS	IK0DWN	W3TMZ	ND3L
OE1CP	N8AID	K4YJ	JA1SDV	W5CWQ	OH3GD
OK2BUZ	NA5Z	K5AV	JA2FGL	W5GJ	OK1DQT
OK3CQR	NI5M	K7OX	JF1EGO	W5ZO	OK2BQU
R0FA	NS3L	K7PO	JF6WTY	W6PH	OK3BRK
RN4AA	OE5CSP	K9RO	JK1BSM	W7DR	OZ7JZ
RV6ARZ	OK1AYU	KI5T	JO1WXO	WA0I	PA0GMM
SP3BQD	OK2BVG	KT2E	K0MD	WA0RVK	R9GM
SP6AXW	S57AL	KX2A	K0WK	WA9ETW	RA0FA
US5CB	UR3CRO	LZ1JZ	K1BG	YC0LOW	RA4HT
VE3OI	UT7UU	N4JI	K2BLA	YO5ODE	RK3QY
VK3NX	UU5WW	N4NW	K3FM		RU3OW
W3KB	V73AZ	N4SC	K4KEW	103	SM3CBR
W6TDX	VQ9SS	N4VN	K4MF	AG1I	SM6EHY
W8VK	W1CWU	N6NU	K4VIG	AI3Q	SM7BHH
W9CPV	W2EQ	ON7PQ	K5HK	DJ1MM	UA3PFN
WB6CJT	W2LE	OZ4AAL	K6UM	DJ7PI	US2WU
WB8ART	W2NO	PF7M	K7TJR	DL2HX	UT2AB
WS1L	W3ICM	PJ2/K8ND	K9EA	DL8YRM	VA2ZO
XE2YWH	W4IR	PY2DS	KA2BZS	DM5TI	VA3IC
YL1XZ	W5JAY	R6YY	KH6KG/W5	DS3HWS	VE3EDY
ZL3RJ	W8IW	RA6AF	KI0KB	EA7SG	VE3MFA
	W8OP	RD4WM	KK9H	EU6MM	VE3VV
106	WA4MYO	SP5JXK	KW0A	EW3LB	W0UVC
AA4FL	WA6TLA	UA6LCN	LZ2XF	G3BDQ	W1CTN
AE2U	WC6DX	UR1RWX	N2SQW	G4AAW	W4AVY
DJ6OZ	YL2GN	UR2RGN	N3ER	G4PUQ	W4MZ
DL1QQ	YU3EF	VE1PZ	N3TR	G4VGO	W5THT
DL2NOM		VR2MY	N4TTE	I0OSI	W5VU

W6SZN	PA7TWO	JA6TMU	SM2DMU	ES5NC	N2SG
WB8BZK	PV8ABC	JA7SFD	SM7NDX	FM5GU	N2XQM
YO7APA	PY2DO	JF1RPZ	SP7JLH	G0VXE	N3AF
	R2AB	JH3HGH	SV1PL	G3OIL	N4CRI
102	R3IS	JH3PRR	UA0FDX	G4CGG	N4ZR
A6/RV6LNA	RU3UN	JI3KDH	UG6GAW	GM3ZSP	N7DED
CT4BD	SM6WET	K0LW	UR7CQ	I2VGW	N7TK
DK3QM	SP5MXZ	K1YR	UT1CC	IK0HFO	N8IL
DL3DXX	T77V	K2BX	UT4IS	IK4MSV	N8NB
DL3NCR	UA1AIR	K3SEW	UT7HA	IS0/YO3RA	N9ADG
DL4CW	UA1CKC	K6AAW	VE2OJ	IW0BYL	NA6O
DL4KUG	UA6HOF	K6XJ	VE3XB	JA1BRK	NA9Q
DL5RDI	UA9MR	K7AR	VK2GR	JA1CPU	NB3R
EI4DQ	UA9UCO	K7IA	W1AW	JA1JAT	NG7A
ES5RW	UW7CN	K8BN	W1FC	JA4FSH	NJ3I
F6BWO	VE2FYR	K8ZR	W1GF	JA5DQH	NN4SS
FM5WD	W0QC	K9JU	W2SF	JA9CGW	NU1T
HB9AHL	W1MRH	K9PG	W3WH	K0FLY	OE5JDL
I8LWL	W1PV	KC4PX	W4BUE	K0LB	OK1DXD
IT9SFT	W2LW	KD3UY	W4PM	K0XM	OK2PAZ
IZ4MJP	W2TX	KE1VT	W7AV	K1NA	ON4ANN
JA0HXV	W3EKT	KE4S	W7CB	K1NZ	ON7EH
JA6OXT	W4ALF	KF7NN	W8GB	K2CBI	ON7GB
JA7EPO	W5TO	KN6J	W9MAF	K2CYE	ON9CC
JA8OW	W7IUV	KQ1F	W9ZCL	K3TZV	OZ1ZD
JR1BAS	WA0IDK	LA2GV	WA3EKL	K4FT	PA0INA
K0YN	WD8DSB	LZ1XZ	WB3HLH	K4KSY	PA7RA
K1EDG	WS4Y	N0STL	WC4H	K4UQC	R3PJN
K1PTF	YO2IS	N2AJ	WK9U	K7VIC	R9JX
K2LP		N5AQ	WR2G	K8BZ	RA3SD
K2TK	101	N6WM	WW5G	K8CR	RA4LW
K3KG	AA2VG	N8AG	YO2OXD	K8CS	RA6XB
K4AQQ	AA3LX	N9JCS	YO6BHN	K8LE	RC2A
K4KAY	AA4NU	N9PGG	YV4DYJ	K9NZ	RN1A
K5ZO	AC5O	NE1F		KB0EL	RT5A
K6DJ	CT1JGA	NX2X	100	KC0V	RU3GF
K7BHM	D44BC	OA4TT	9M6YBG	KC4D	S53MJ
K7UA	DH2FW	OE3WQB	A41ZZ	KC5LT	S59SV
K8BHZ	DK9WI	OH3TY	AA4AK	KD8BZY	SV1VJ
KB9DAK	DL1KS	OK1PGF	AB4VV	KD9HL	SV2DSJ
KJ6NZ	DL3ANK	OK2BOB	AC4VM	KP4N	UA3AKI
KN4KL	DL5JS	OK3EY	AG4Q	KQ5M	UA4PAY
KW4BY	DM3ML	OK4MM	AI2S	KS4XQ	UA6CEY
KY6R	EA1WX	ON4LG	DJ6OI	LA6UL	UN6P
LA3ANA	EU1TT	OZ5HP	DL1TPY	LA8W	UR4CW
N5RZ	G3ZFC	PA4WM	DL1TRK	LU5OM	UR4LRG
NZ3M	G4FJK	RA3AH	DL9GTB	LU5YF	UR8IDX
OH2EA	GM3WTA	RA4P	DU7ET	LZ3YY	US8UW
OH4UI	HB9NL	RA4SD	EA2AAZ	MM0SJH	VE1RGB
OK1DTN	IV3GOW	RB7GG	EA3ALD	N0AH	VE3OAT
OK1JDX	IV3KCB	RK9F	EA8AXT	N1KI	VE7JKZ
OK3CSQ	JA1VVX	RY6M	EC5A	N1MD	VP2VA
ON5UE	JA2VMU	S59DJK	EI9E	N2DPF	VR2PX

W0GYH
W0MU
W1AN
W1YRC
W2CCC
W3BBO
W4HHN
W4OV
W5BK
W7DT
W8CNL
W8FN
W8GDQ
WB4SON
WU2M
YB1TJ
YL2SM
YO9FLD
ZP9MCE
ZS2DL