

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 15 Oct 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 Digital 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 UA4CC	317 W3LPL	RA7A RZ3AM SP2FAX	NN4T UA6A	299 K4TEA N1BUG SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	316 K5RK N1DG OH3SR W2VO	310 I4AVG RA3CQ SM5BFJ SM6CVX W5IZ	304 DJ0MDR GM0GAV SM3GSK	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ RA3DX SM5CEU
340 K1ZM	324 EY8MM K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA PE5T S50U W1JR	309 I4EWH	303 F5LGE G0JHC GM3YTS JA1BK JA4LKB K1UO RU3DX	297 DK5PR N4CC OM2XW W0FLS
339 W4DR W4ZV	323 SP5EWY	314 IK4GME NX4D OG2M OK3GU OZ1LO RW2A UA4CR	308 IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF SV8JE	296 DF3GY F5NTV G4PWA ON5NT RY9C SV8CS W1JZ
335 OH2BU	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK	295 K3UA
334 N4WW	321 WB9Z	312 OH1MA S54E	306 EA6SX K4CIA SM0AJU WT3Q YU1FW	300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU PA3FQA SM3EVR VA3EF	294 DL1AMQ JH2FXK LA5HE N0TB
333 R7LV	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 CT1EEB JA7NI K4ZW N4IS		
332 UR0MC	319 N0XA SM4CAN UT5UGR				
331 K5UR LZ2DF UT7QF	318 4X4DK W9ZR				
330 AA1K HA0DU OH1XX R4GM					
329 K3UL UA4HBW					

RJ3AA WD5COV	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	JA2PJC K1CP S59Z W4TO	K4IQJ SP6AEG UW2ZM	W1MK	SP1S
293 JH4UYB S58T		280 EA6NB RV3LO SP6HEQ YO3APJ	274 CT1EKY G3TXF JA8ISU K1ZZ KF2O W6UB	267 LU8DPM RZ3DX	260 K1LT K4DY UT9FJ
292 G4BWP IZ0AEG JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W5ZN W8TOP	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ KG4W N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	266 G4OBK K1QX NR1R R3LA W8TE W8XD	259 DF4PL F6GCP G3ZSS I1FQH R9FM
291 9A7V I5NPH KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ	285 G4CCZ UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU RU3FM	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	265 AA4V* AA6YQ AA7A EA5BM EI7BA K4XP RW0LT SP5DIR W1GL YO5BRZ	258 KW9A N2NL RN3CT VE3QAA
290 UA3AKO UT1UY	284 K5XI SP3DV UX1AA	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV	264 IK2YCW K7ZV	257 K1GUN K9NW N4II N8TR W9YSX
289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW OH3BU OK1AWZ VE2Tzt	270 AA1V LA3MHA OE5KE SV8BHN	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP	256 9A5CY JA5BZL JH1GZE K5VRX K8FL SV8GFW W1TSP W3DF
288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	282 DL1YD I0WDX K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	275 9A1CCY F5NBU I2AOX IK4CIE K2UO	269 K6ND KD5M SP9JZU W1ZC	262 G0DQS IK5HHA KR9U N5KD W1YY	255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI
	281 DF2PY HB9BIN		268 DL5DSM G3WPH K8PT RA3XDX	261 9A4T DL9YX K2EK K5KC N6SS NO8D	254 I1EIS N0AT OM3DX WA4FFW

253 5B4AGN AA1QD IV3YYK K5ESW S58Q UA1OMS W0YG	R7IA WA7NS WB3AVN YO9HP	N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	236 AB4I K1JO K5EK K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK WA7NB	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	JR6EZE K9FD* N6JV ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT
252 EA1DR JA2VPO JF2MBF JG3QZN JQ3DUE JR3IIR ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD JF8QNF K2FF N6TR TF4M UR5EDX W2TQC W5XZ	240 EA6ET G8VR JA5MHD JR3GWZ K0JUH K0KT K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JA0FSB JH4ADV K3SWZ N6DX R7DX VE3XN	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ	225 A45XR JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP8NR VA5DX W7KW
251 DJ7RD DL9RT JH0BBE PY2RO W5UN W7LR	245 DL4CF JA1GV JA7QVI N9US RL9F RY7G W9XY	239 AJ6T K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK UW5ZM	234 IZ8FFA K1AR K4UTE KF0QR PY1BVY S51DI	229 CT1FJK DJ4AX JA8FKO J11BEX OE5NNN RO7T	224 MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ
250 HB9RG NQ1K OZ8BZ	244 AG9S DK6WL F6BLP IK0XBX JA1HGY ON4IQ	238 DL8WN IK0XEZ IZ1LBG JA0DAI OK1CF RA0FF VO1HP W3LL	233 DJ5FI K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO	228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO UR5FEO ZS4TX
249 AB3CV AI9L K9RX SP5DRH	243 DK2JX DK3DG IK0MHR ON4ATW S57A SV8CKM W9RPM WX4G	237 AC4G DL7MAE IW1ARB NI0G OM4EX	232 EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP	227 DL7HU ES1RA I3BUI IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR N8PR N9BX
248 K3WW K5RX SM3VAC T77C W9NGA	242 EA4KD KG7H			226 DL5WW JA6BZI JF2KOZ	
247 K0IEA K6XT NN4X NO2R	241 JA0CRI JA1SYY JA3EMU K5ZK KA9CFD				

SM0CCM	UA3AGW	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	LA7HJA N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ	UA0SR US6EX W2HUV WD8PKF WF4U WI8A	200 G0OIL IK0FVC JA1GTF JH2RMU K1GE K1GG LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W3GG
221 JA2WYN JJ3PRT K4MWB K8SIX N6VR W1ZK W6JRY WS6X	216 F6DAY JA9PPC K3JGJ K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	211 EA1RT IK4DRR JA4DEN K3WA RU3SD WA5VGI WP4U	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW PY2XB W0LS	203 AA5AM JA2XYO JE1PNX K4XO K9MMS KK2I NK1K OH1TV PA0A R6AF W7DO W8GC	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
220 AG8B DK2NG HB9LCW HL5IVL JF3KON JR4OZR KA1R N1LN VE3EXY	215 IZ8FWN JH0INP N7JW RA1QD W0UO W2LK W6YI	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC N8DJX SM6BZV US0KW VE3BW	202 DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV K9YY LY1G N5ZM N7KA OK1DOT R9TO RA3S UA9FAR WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE I5KKW IT9JNR JA4PXC RX3APM W8HB
219 IK3VUU JA2FBY JA2FJP KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA KG9N N9LB VE1DX VE3LYC W0ZR W7KNT W9OO	205 F6EXV I4KDJ JA3AAW KA9FOX W8UN WB8ZRL		197 G3SNN JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS XE2X
218 AD5A DJ4PI DK0PM IK1YDB JA6LCJ JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A N4NX N4QS N7FU SM2OAN	201 AG4W CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK W2IRT W5TCX	196 4Z4DX AA4HP

IK4PLW	WA2VYA	CT1FMX	K5KLA	179	SM5FUG
JA3RAR		JA1KQX	KB4ET	IT9ELD	W4BP
K8PO	192	KB0EO	N9RC	IW0SAF	W4GD
KP2A	9A2NA	KB1EFS	S57AC	JA9NLE	YO7NE
ND0N	JA7JWF	KE9ET	US8UA	JR7BDQ	
RA9CMO	JH1RFR	KL0S	UT2UB	K0TT	175
RZ4FO	K3FN	N8LJ	W2YJ	K8WK	JA1CHN
W2FCR	K4FJ	RM0F		N2PK	JH2QMT
W4UM	K5XX	SM0NJO	183	OK1MG	JS3CTQ
	K7GM	W1YM	IT9INO	S57UN	K4DLI
195	K9EU	W6SR	K4CN	SM4DDE	K5GKC
EA3JL	KF7PG	W8JV	K8RRT	SV3FUP	LA5LJA
EA5RM	N4DB	WA6YEE	K8VC	W8KEN	N7IR
G3ZEM	OH2IS		N9MB		N7XR
JA0EOK	W3UA	187	NN2L	178	PE1L
JA1EOD	W3YQ	AJ1H	ON6SAS	4Z5CX	SP1MGM
JH1QAX	W8LGJ	JA8DNV	W2FP	EA3CJ	TF3SG
JN7FAH		K0SR	W8NW	JA4MRL	VE3FF
K3PA	191	K6SRZ		K2UR	W8HC
K7SO	CT3MD	KN5O	182	NE0U	WX0V
K9RT	JA1ANR	LA0FA	DJ9ON	SM7DLK	
KF8UN	K0BBC	N2NS	DK3UA	SV1JG	174
N1SV	K0JGH	OK1CZ	HK3W	W6NWS	4Z5MU
W5ZG	K8FC	SP3FAR	JA1SHE	W7MEM	JA0GJJ
W9OP	K9LA	W7AWA	JA3ENN	ZS1LS	JA1PPW
	NE1B		N3OC		JA2XW
194	RK2FWA	186	UR3EO	177	JA7MOL
JA1XEC	WE9R	9A8A		9H1SP	JF7DZA
K4KDX		IK2QPR	181	AE5E	JK1OPL
K9JF	190	K0BJ	DK3WW	CT1GFK	JR6PGB
KB9LIE	IZ8XQC	K7LAY	JA2BDR	IK4ADE	K1KI
LA7AFA	JA1DUH	YL2TW	JA9TWN	JL1SAM	K2KA
SM7GIB	JA1MCU		JN4MMO	K3WC	K3AJ
W2LO	K2TE	185	K2EP	K4RG	K4TR
W4FC	K9KU	AB6QM	LZ2ZG	K9NU	K4WS
WD8JJA	KM1D	CT1EAV	VE3OSZ	SM6DHU	N1EN
WN6W	N4XU	EA6BF	W9AJ	W2OR	OE1WHC
	N5GH	G3KWK		W5LT	RN7F
193	SP2LNW	IK3SWB	180	W7FI	UA3LNM
CT1IUA	VE7VV	JA2LCP	CT1FPQ	WB7B	W8UV
DF2GH		K5ZD	DM2DXA		W8VVG
DK1FW	189	LA3WAA	DM3VL	176	WT8C
DL5ZB	9A2F	N4TJ	EA8JF	EU1AB	
DL6ZXG	AA1ON	N5UR	JE2URF	G0BLB	173
EA3WD	EA8PP	OE2BZL	K6SSS	I6FLD	5B4ALJ
HA5BSW	FM5CD	SV1DPI	K7BG	JA0DET	I1JQJ
K4ODL	JA0VSH	UA9CBO	LA9AJA	JA5IU	JG0CQK
N5LZ	SP7HOV		N1RR	JA6BJV	K1NTR
N9EN	UA7T	184	N4AH	JA8KSF	K4XR
PA0LOU	WA3C	HA5WA	ON5FP	K8MN	K9YC
RN1ON		JA2ZL	W1RM	N5OK	KA1J
UA0CA	188	JF1NZW	W7BEM	OK1DWC	N5FG
W9MU	AB4IQ	K4HGX	W8TN	RL3FA	PY5EW

UN9L	N4XX	JA1FNA	K8TL	UX5UO	SM3PHM
W3IP	N7US	JA9LJS	OK2QA	W1BR	SV8ZS
172	UT8MM	K1KA	UR4CWQ	W5XC	W2TA
EA7TV	UY5AA	K3KY	VE3CFK	W9RN	W5GZ
G3NKC	W6RW	K4JLD	W7AL	WX0B	WS7L
IZ5MOQ	W7YAQ	K4PB	162	159	YV2IF
JA3FGJ	WB3JFS	K4WA	4O3A	JA4FKX	156
JG3IWL	168	K4ZYU	9A4W	JH6QFJ	AB9V
K0DEQ	G3MXJ	RM3DA	F3AT	JL1RUC	IZ8IEV
K1BD	IK2EGL	W0DJC	HB9TKS	K4RO	JE3GRQ
K6FG	JE7JDL	W1RR	IZ4DPV	OK2ZV	JO7HAM
KJ0M	JF2UPM	W8ILC	JA6GIJ	UN7JX	K0QC
VE6WQ	K4XD	WA8TXT	JR5JAQ	W3HKK	K8YSE
W3JX	K5QY	165	LB6KC	W6BJH	KS1J
W4FQT	K8RYU	DL7UCX	N8MR	W7SX	N3RC
WA9PIE	KR4F	F6HDH	RW3RN	WD5BJT	N3UA
WC4X	N4QQ	I2ZGC	W0HT	158	N7WS
171	N8BJQ	IK0AGU	W0TT	AA6AA	OE5RLM
AA9D	PA7F	JE7RJS	W1LW	DJ4PT	UA3SAQ
DL6KR	SP5GH	JH7CFX	W8WEJ	DL1FKA	VA3LX
G0EHO	SV2AEL	K5JZ	161	G4GIR	W1YIF
HA9PP	W4SVO	KK4CB	DK2GZ	IT9DSZ	W4TV
JA6HUG	W6VX	N4HB	DL6RAI	JA9APS	155
JR1TNE	W8OI	N9FN	HB9DHK	JH1TWT	CT1FCX
K1NU	WA0MHJ	NY0V	JA1DOF	J11FXS	DL1RK
KI5BLU	WA5YNB	RC9F	JH4ALY	J11NJC	DL4SZB
N0RN	167	SM4CTT	K1USA	JR1GJP	HB0CC
N4OGW	DK5AD	SP6EQZ	K5GO	K5TT	K2LS
N7RO	EC3A	W5BN	K8ND	K9GA	NE0DX
RA3DNC	EI6FR	164	LB2TB	OZ1HX	NW7E
SV1LK	JA6VQA	GU4YOX	N4GN	RU6M	SM6VR
170	K6KO	HA7UW	OH6RA	SM4EMO	W2XI
DJ6TK	K8NK	HB9BZA	VK3HJ	W0SZ	WE1P
JA6JPS	K9MBQ	JA1RTX	YU2TW	W1OX	WS5W
JE3ENP	N0IJ	JA7ZP	160	W2XL	ZS6EZ
JF1WPB	N3BNA	JH2SON	AD5Q	W3GQ	154
JM1GYQ	OH2BLD	K1NJ	DK1WB	W4QN	3V8SF
K6ZZ	PA3C	N5WA	DL1DA	157	GM3PPE
N4PY	RA1AOB	RA3ZH	IK0FUX	AA4H	HB9BUN
SP3GTS	RN9N	RN3OG	IW2FND	AC6DD	JA8NFV
SV3KH	S51EC	W4DKS	JA2EPW	DL4MM	JR3OEH
W9EVI	W1YW	W4NS*	JE2DZC	DL6MRS	K0KVR
WA3AFS	WA4LOX	WP4G	JE2OVG	EA5BY	KR2Q
169	WB0TEV	WW3S	JF2XGF	G3TQZ	NX8Y
IK0PEA	WC5N	163	JR7MAZ	JA1GHH	W1NA
JA1ADT	166	9A2JK	K3MSB	JH7IAJ	W5DNT
JE2LPC	4Z1UF	DJ9HX	K3RA	LY5A	YS1RR
JR1IZM	DJ4SO	JE2LUN	NR4M	N5MOA	153
K1LI	HB9FMN	JH4CPC	RU6L	NE9Z	AJ9C
	IV3TDM	K7NN	UA0FZ	RU4UR	

DF2RG	OK1ATP	F5LVL	KR0P	WB8ZRV	JA4OK
DL3ZA	RD3A	F5PAC	N1CGP	WD9DZV	K5WK
G3TJW	RU3A	G4FTC	N4GG		K6KLY
HL2CFY	S54A	JH1QDB	N6PSE	142	KF8DX
IZ3ENH	SP7AWG	K5VWW	NA5C	I5HOR	N4XP
JF1IRW	SV9AHZ	LA6OP	RT0F	JA2ATE	OH6NIO
JR9OPJ	W7CT	N2WB	SM3DTR	JH0BQX	ON7DR
K7SP	W7RH	N5XZ		JR7WFC	UN1L
K8VFFV	WA1Z	NE3F	144	K3PP	VE6SV
LZ1PM	WA2BCK	W5FKX	CU3EQ	K4WZ	W0SEI
N4TV		W9JJB	DL5CW	K6EME	W4NU
N5TW	150		DL5KUA	KK1W	W7IV
N8II	EA1AF	147	E70T	LA9VFA	W8LWU
R9OK	IV3RAV	EA3GP	EI6IZ	MM0SAJ	WO2T
SM6CLU	JA1SVP	IV3VBM	GM3ITN	N7QT	YL2MU
SP5CCC	JA2NQG	JA1XQC	HB9BYQ	NA4D	YO9FNP
UT5UY	K0RS	JN1BMX	I5MXX	NQ7R	
WB8BPU	K5TR	K7HP	IT9GSF	NY2NY	139
	K7LV	K8UT	IV3DXW	OK1DO	DF7EE
152	K8AJS	KM1H	IZ4GWE	W2OO	DJ4XA
EW2A	KU4XO	N1IBM	JA3GN	W5LUA	DL5EBE
JT1CO	N3QE	PC3T	JE1FQV	W5VQ	DL8OH
K9MK	N9CO	W1OP	K0VSH	WA5POK	DS1JFY
KQ4AV	OE8SPW	W2KKZ	KJ9C		JA1TMG
KS3F	SQ5EBM		LA9GX	141	K3ANS
N9OY	SV1CNS	146	N1IX	AC9S	K6AM
S55ZZ	UA6YW	EU4A	N3KK	DL5MHQ	K8GI
UA6IGI	W2/CT1GIF	JA1HQG	OH1JP	EW1BA	K8RF
UN7LZ	W6DAO	JA4DHN	SM4OLL	HB9FMT	KA8SYV
UT5AB	WW2DX	JA5XAE	SM5CLE	JA1PTJ	KU0A
VE6LB		JH1GNU	W4GE	JA9RRH	LA8WG
W1SKU	149	K1CA	W5ADD	JH1HHC	OK1MP*
W1VT	DL7CX	K5KV	W7ZI	JH4JNG	SM5CBM
W6RLL	HB9HFN	K5SM	W8RLS	J11DCW	SV8ZC
W7AJ	I0JBL	K6NR	WC5M	JL1UXH	W0SD
WB3CQM	IK4FNF	K7WP	WD5T	JR2LJO	WA8WV
	JL1ARF	N7BT	YO3CD	K2RW	
151	K3TN	RU0SN		N8OC	138
AA7G	K4YYL	W1IZL	143	NJ3K	DK8MCT
CU2AP	K8ME	W1ZT	DL1DUO	OE6VIE	DK8YY
DK2OY	K8ROX		DL6EN	SV3FUO	EI9FBB
EI9JF	R8TX	145	HS0ZEE	W2CG	F6DDR
F3SG	SM6CUK	AF4HX	IT9BLB	W3BW	IK8EPC
HB9SLO	UW7UA	HI3T	K7CMZ	W4JVN	JA3OOK
JA2VQF	W0GG	IZ0RVI	K7CW	W4VIC	JF3LOP
JA6BEE	W7HPW	JE6TSP	N2RJ	W4WT	JH7RXU
JH1NYM	WB8B	JJ3HGJ	N2WM	W8GNM	K1RO
JR1XIS	WD5K	JK1AJX	N5UW	W8HW	K2RET
K2AX	YO3DDZ	K1OA	N6PAT	ZS1C	KJ6P
K2FW		K3VAT	NN4R		LB5WB
KD0PO	148	K4OY	W0IZ	140	ON6AA
N2ZN	DK2CC	K8BL	W6QUV	9A1CAL	OZ8X
N5JB	F5CQ	KF6HI	WB8CQV	HB9RYZ	RW4CY

UN7JID	K7FL	RV4LC	N6RK	W8MET	SP7ASZ
V51B	K7XB	UQ2PZ	ON4ON		W0CP
W1GD	NZ9R	VE3WT	PY5EG	128	W0RT
W2YE	R7LP	W0NFL	R0SR	AA4SC	W1OPD
W4YV	RN3RQ	W2QO	R9MJ	DM2RM	W3BG
W7OM	SM3LGO	W5AJ	R9SA	IK2SGB	W3FOX
	SM5CZK		W8DCH	IT9ZZO	W3MF
137	SP3XR	132	ZS1A	JA2AHH	XE1KK
EA1YO	SV5DKL	AA4NC		JA2KSP	
GM3YOR	W1DIG	AB9M	130	JA9AA	126
HB9CQK	W1EQ	AD6W	DF9ZW	JE1LFX	AC9EM
IZ2FOS	W2GD	IK3VBB	E73M	JH4GJR	DJ8WD
JA3APU	W4BUW	IT9RDG	EI2JD	K0FF	DL9FCY
K2QMF	W4MBD	JA6CBG	G7VJR	K3XA	F8BPN
K8NS	W4RFZ	K6YUI	HK0HEU	K4JAF	G4IUF
RA3CO	W6JTI	K9ZM	IK3XJP	K4SE	IZ7EVZ
RG7G	WE4S	N6HY	JA2FBC	K6LPO	JA1XCZ
UU1JA		OZ2RH	JG1DUZ	KG7CW	JA7KY
W1ITU	134	SM4BZH	J14POR	KM4NS	JH3CUL
W5ODD	CT3HF	SM6BGG	K2MYR	N5KM	JJ1DWT
WB5JID	IK4DCS	SP6M	K3NK	OH1ZK	JN1RQV
	JA7LGE	VE3CRG	K6SIK	OZ1IKY	K2ZD
136	K1TO	W4AXL	K7LFY	R9SG	K4JKB
E72U	K1ZN	W4RBO	K8BCK	S53X	K4XU
ER0FEO	K3OX	W4WM	K9GL	S55DX	N8NA
HB9IQB	KX4TT	W5SL	KO8SCA	SM3GQP	OE3SGU
IK8CNT	N9MR*	W6DR	NA4EA	SV3DCX	OK3CQD
JH4HMG	N9RS	W7AH	NO9E	US8UW	PA5TT
K0TV	OE1TKW	W7CD	OZ2ABI	VQ9LA	VE3CX
K4ZO	PY5HOT	W9FR	R3VA	W2WC	VE7BV
K7TM	RG6G	WB3D	R5QA	W4IS	W8LMG
KR6C	RX4HW	XE2S	R9AB	W6RKC	W8MK
NA5DX	SM0BYD		RU1AO	ZS6UT	W8REW
OK1DW	SP6JIU	131	S51NM		W9ILY
SM5OJH	UA0ACG	DK7YY	TA1CM	127	WB0O
SP2BMX	W4JKC	G3UHU	VE3DO	CT3KN	WB2REM
UT3UZ	YU1AM	HS1NGR	W2MPK	HK1MW	WD4LBR
UW8SM		IV3KFB	W9ZT	JA1DDH	YU1EXY
W2OIB	133	JA0AOO		JA1WLO	
WB7QXU	9K2NO	JA2TBS	129	JA8RJE	125
	EU1U	JH4ADK	HA1RB	JA9KRO	9A1AD
135	IK5DNF	JJ1TEA	HB9AZZ	JH3AIU	AG1A
5B4MF	IZ8DFO	JM1FHL	JA1NWD	JS2LHI	GW3TMP
DJ9ZB	JA7GLB	K1UU	JA8JO	K0RW	HK4SAN
F6FXU	JA9AGN	K5VIP	K4TT	K3TRM	JA4IYL
IK8GYS	JR6FC	K9DR	K6XM	KM3T	JA6VU
IU0HDC	JR7FRW	KC2LSD	LB7ZG	N1AC	JE1TSD
JA2KVD	K2CDJ	KH2L	N0YY	N1GC	JE6UWU
JA7LMZ	KS4YT	KM3V	N2BJ	N9RD	JF2WXS
JA8BNP	KU2A	KM4H	N3KS	OE8HIK	JH1AGU
JA8JL	OE1KM	N3MK	N3RR	PA3EWP	K1HAP
K1ZE	ON4CAS	N4QWZ	W0YVA	SK7AX	K5KG
K4ZRJ	RA5BM	N5PHT	W7QHE	SP6A	K8DV

KA6BIM	K9CS	N0OK	W0RX	K3WGR	UA6J
KI4WCQ	KV4T	N1JP	W2YR	K4CNW	UB3A
LZ1XL	N2ED	N3ND	W3OA	K5XM	UR9IDX
N2KA	N4DWK	N4TL	W4PRO	K7PI	US1CT
N3EN	N6MZ	N6HC	W6RFL	K8LN	W4ZRZ
N4JT	N9JV	SV1AHX	W7RN	K8WVA	W6SL
ND5S	N9LQ	SV1FKZ	WP3R	K9GWH	W8ZR
NW6S	NA2P	UQ1GWW	ZL4AS	KD2T	WA2USA
OE1AZS	NA9RB	UT4EO		KD6UO	
RA0BA	S50B	UU2JQ	119	KG8CW	116
UU7JM	UA3DK	VA3AYA	AA3AZ	KV4AA	AJ4F
VE3UTT	UR9QQ	W0QQ	AA4DD	LZ2HM	DL7URH
W5DAW	UT3QU	W2GG	AE3T	N2MM	EA5BRE
W9CG*	W1AO	W3RJW	AJ4A	N4DJ	HA7PF
WV4TN	W4NF	W6XI	DK3GG	N6MB	IK0EIE
YO2RR	W8NJR	W9XX	DL9OBY	PY2PA	IK2OHG
	XE1H	W9YE	EW4M	RN3TT	IT9TQH
124		WA1PMA	G4DJJ	SV9COL	IV3HYD
AA7XT	122	WT4Q	HB9AAQ	TA2RC	JA1WTI
AB1OC	BA4RF	WY1G	HB9BCI	W1KSZ	JE2EHP
J11DHY	G3NDC	XE1VIC	I2TZK	W4DAO	JH3GCN
KD4POJ	JA1MRM		I4MKN	W4NJ	K1DC
NA2U	K1BZ	120	IU0LFQ	W5JMW	K1RI
PA0TCA	K1ESE	9A5F	JA3AZD	W9FI	K9FN
UA0BA	K1YT	AA5JF	JA4XGC	WX3P	KT1V
VA7CRZ	K2MP	AL7TC	JE2JMV	YO4AUL	KV1J
VE1DUN	K7ZA	DL2VWR	JH6CDI		NA9Q
W2JU	LA7WCA	FG5FR	K3FRK	117	OZ1LCG
W2RIJ	LA8PT	HB9BLQ	K5UZ	9Y4VU	PA0JSE
W3FM	N3NR	IZ0LKV	K7EG	AE0P	RV3ID
W6CYX	N9AW	IZ5NFD	K8KWT	BH4IGO	TZ4AM
WB8K	NN7X	JA4EPE	K9SG	DL1DWT	UA4PCM
	OZ3Y	JR3UIC	N0KV	G3PLP	W1ENE
123	RD4A	JR6LLN	N9UA	IT9DAA	W1WEF
AC4TO	UU4JMG	K2BA	NT2A	JA1HQT	W7GG
DL7JRD	VE6AX	K2HK	NY7T	JA4FM	W7OEV
F4GTB	VK4CAG	K3QIA	OH5NG	JA5FDJ	W8LRO
G4WFQ	W2TB	K5JC	OK1DT	JA7GYP	WQ5L
G5LP	WA3I	K6FW	R6FFB	JA7IC	
HB0WR	WA7BNG	KA8ZPE	SV1ACK	JM3GXU	115
IK2CHZ		N4BAF	VE3YF	JR2UBS	C6AGU
JA0CRG	121	N4LR	W4HZ	K2BB	CU2CE
JA1SJV	AA6RR	N4TB	W8FIB	K3NF	DL9GOA
JA3MHA	AA8CH	N4UFP	WC2K	K6PJ	G4XEE
JA6WJL	DF1DB	N8PW	XE1RCS	K8OOK	G8BCG
J14WAO	DK1EI	OE3EVA		K8QM	G8DX
JK1EXO	DK6CQ	OZ2A	118	N4IR	HA5UK
JR1EBE	EI2GLB	PZ5RA	5T5PA	N8AA	HK3PJ
K2PK	HB9DHG	RL3BZ	AB2E	N8XI	IW0HEX
K3XO	IT9AAI	SP7ITB	DL5OCE	NY4G	IZ7JVR
K4ZIN	JA2HYD	SV1IW	JA4FHE	OZ5HP	JA2KNW
K5GH	KD8RQE	UR5IKN	J18DGO	SM7BIC	JA3NHL
K7UT	KG9Z	US0YA	JN7DOS	SP8HKT	JG3LGD

JH1RFM	NU8Z	WA4DOU	W8HMK	YL3DQ	EA3GHZ
K0GD	UA3FT	WB2HJV	W9SE	YO6HOY	EU4T
K0SD	W0VX	WB2UFF	WA8OLN		F8EZE
K4CMS	W3MR	WS4C	WT9U	110	G3SVD
K4GHS	W4TUN	XE1RBV	ZP6CW	BA4MY	HI8R
K4GK	WA1FCN	ZL1BYZ		DL1VDL	IW0HQE
K8YTO	WA4CEM		111	EA5BYP	JA2CXF
KZ5DX	WA8MCD	112	9K2OD	F5BAR	K2ONP
LY4T	WA9YYY	A92IO	AA4U	G3LNS	K4RDU
N0IRM	WN9O	DJ1RL	AF4OX	G8AJM	K5FZ
N4OA	XE3ARV	DK5RL	CU3AN	HC1BI	K5KA
N5BO		DL5CL	DG7RO	I2BBJ	K5KPE
N8KOL	113	EA1JO	DK2WH	IK5RUN	K6MW
OH8LXT	9A1A	EI8IU	DK6ED	IK8UHA	KE1F
PA3AXU	DJ5DT	EW1DO	DL1HRN	IZ0CKJ	N1BZ
RZ6MJ	DJ9RR	G3XGC	EV1R	J68HZ	N2WLG
UA1ANA	DL8CM	HB9CEX	F6ECI	JA7EPO	N7TY
UA1CGS	DL8DYL	HB9CRV	G4DBN	JE2UFF	N8NN
UA6XT	G4AFJ	HB9G	HL3GOB	JH1VHU	ND4V
UN6T	HB9EFK	IK2ANI	JA1AUD	K2BLA	NN4RR
W4UCK	JA0GCI	IU8FRE	JA1FGB	K3JRR	NU4I
W5VY	JA4ITW	IZ4DIW	JA1NCZ	K3PH	NX7U
YL2CZ	JH1ORA	JA1SXR	JE8TGI	K4WW	PY5CC
	K0TPP	JA4BXL	JF2WGN	K6MI	RW4UU
114	K8SL	JA7BXS	K0FLY	K6VKO	RW9QA
AB4GE	KA4RRU	JR7TEQ	K5WAF	KB4MRX	RX3AGD
BA4DW	KH6DX	K0JPL	K7ORK	KC2STA	TG9NX
BA7IO	KI0G	K1EDG	K9AJ	N2CG	UB5ZAL
CT3FN	KT1J	K1EO	KM1R	N3HBX	UT7KF
CU3AK	N6PE	K1KO	KP4AA	N3IQ	VU2CPL
DL6NB	N7KO	K4UAS	KZ0X	N3JB	W5WP
F6CWA	N9ISN	K8CC	LA0CX	N4KE	WB5TUF
G3SDL	NA3F	KB2FCV	N4WJ	NC6K	WN0L
HP3TA	NG0G	KI4DLS	N7BD	NK7C	YV3AGT
I5OYY	NI5F	KM1C	N9HF	NY4I	
IK7YZG	NK5B	LA8HGA	NA1DX	RD9M	108
JA1OVD	NZ3M	N5ZC	UR6QA	SM5BHW	AI2Q
JA4KDT	ON5UE	N6MA	VE6KC	SV1VS	AL7R
JA5WIZ	R7NA	RU4SU	VE7CT	UA3O	DL6CNG
JH6WMJ	RA4UN	SM3DMP	VE7UF	US7MM	ER1LW
K1RV	RZ3AUL	SP9WZS	W0VHF	W0UY	G3VAO
K2DC	SM5ARL	UA1ACG	W1FO	W3XY	HB9BAT
K2HAT	SP3EPG	UA1CEI	W4HOG	W4DC	HB9FAN
K3MD	SV1JFV	UT6UD	W4OX	W4NE	IK0PRG
K3OSX	SV2AVP	VE7XF	W5AQ	W5ZPA	IZ0BTV
K5CD	UN7TW	W1HEO	W7VS	W6KK	IZ2EWR
K5RJ	VE3KI	W2CVW	W8KA	WL7E	JA2MOG
KB8U	W2GW	W2SKI	W8MIL	XE1FAS	JJ2PIK
KZ4V	W6BK	W3UL	W9RB	YU7AU	JK1MZT
N1QY	W8FAX	W4VHF	WA2BOT	ZL3NW	K1EP
N2JJ	W9DX	W5VX	WA2MUA		K1XM
N3MN	W9HBH	W6TC	WB4TDH	109	K2CJ
N4IQ	W9VNE	W8GEX	WB9EEE	DF1KG	K2KQ

K2MK	JR1BAS	IW3GJF	105	VE1PZ	N4GU
K4WY	K0MD	JA1VLK	DF2PI	VR2MY	N4TTE
K4YJ	K1TZQ	JA2MNB	DF8AA	VY2ZM	N6PF
K6UT	K3SW	JE6IGP	DJ3XD	W1LE	N6WM
K8OM	K3YBN	JG3HBO	DJ6KH	W1LY	N8MZ
KM8AM	K4MS	JG5RVQ	DL4ZAB	W1MRH	N9DR
KN4JX	K4SAF	JH2KKW	DL6XK	W4OWY	N9PGG
LU2DKT	K8LBT	JH6PFY	DO1CTL	W6FF	NJ9C
LZ3YY	K8ZR	JJ0NCC	ES1GO	WQ5W	NN3Q
N4MEC	KB9DAK	JR0EQQ	G3YUV	YU1NR	OH4UI
N6RFM	KE2R	K0DEW	HA8FW	104	PA0GMM
N9SF	KZ1W	K1PX	JA1BWA	9M2AX	RA1QX
N9TF	N2RR	K4DSE	JA1TAA	AD1C	RU3UR
NU4Y	N3DAP	K5AM	JA4EVN	AG4Q	RZ6DX
PA0ZH	N4RF	K5ZQ	JA6VA	AH0U	RZ6LB
R5FY	N6EE	K8JJC	JA7BME	CP8HD	SM5CCE
R7LA	N8AGU	KD9HL	JA8RRF	CX3CE	SM7CQY
RX6DX	NA5Q	KK8X	JA9APM	DK3BK	SO5AS
S57J	OE1CP	KK9H	JF1RYU	DL4FAP	UA9FGJ
SM6AOU	OK2BUZ	KQ3F	JF2VAX	DL7UPN	US5CAO
UX7UN	OK3CQR	N0JZ	JO4CFV	E73D	UT4EK
UZ6LWZ	R0FA	N2CW	K1DJ	EA8ZS	UT7EC
W2UB	RN4AA	N2SQW	K2XF	EI9E	UX4UM
W3NRJ	RV6ARZ	N3XM	K5AV	F6AJA	UY0MM
W4ZYT	SP3BQD	N8AID	K6DJ	F8GB	VE3VHB
W7ACD	SP6AXW	NA5Z	K7OX	G3BRD	W0YBS
WA2ALY	US5CB	NI5M	K7PO	HB9CIP	W1QA
WA8MOA	VE3OI	NS3L	K9RO	HK3O	W3DRY
WB8BZK	VK3NX	OE5CSP	KI5T	IK0DWN	W3TMZ
WC1M	W3KB	OH2OT	KT2E	JA1SDV	W5CWQ
WC6DX	W4MAY	OK1AYU	KX2A	JA2FGL	W5GJ
WD9EQU	W6TDX	OK2BVG	LZ1JZ	JF1EGO	W5ZO
WW1WW	W8IW	S57AL	N2DPF	JF6WTY	W6PH
	W8VK	UR3CRO	N4JI	JK1BSM	W7DR
107	W9CPV	UT7UU	N4NW	JO1WXO	WA0I
4Z5LA	WA0RVK	UU5WW	N4PL	K0WK	WA9ETW
DJ8ES	WB6CJT	V73AZ	N4SC	K1BG	YC0LOW
DK3FB	WB8ART	VQ9SS	N4VN	K3FM	YO5ODE
DL1QQ	WS1L	W1CWU	N6NU	K4KEW	103
DL2CHN	XE2YWH	W2EQ	N7DR	K4MF	AG1I
DL5XU	YL1XZ	W2LE	ND3L	K4VIG	AI3Q
DO4DXA	ZL3RJ	W2NO	ON7PQ	K5HK	DJ1MM
EA5AT		W3ICM	OZ4AAL	K6UM	DJ3GZ
EA7QW	106	W4IR	PF7M	K7TJR	DJ7PI
FG8OJ	AA4FL	W5JAY	PJ2/K8ND	K9EA	DL2HX
G4AKY	AE2U	W5KI	PY2DS	KA2BZS	DL8YRM
G4RGK	DJ6OZ	W8OP	R6YY	KH6KG/W5	DM5TI
I5IHE	DL2NOM	WA4MYO	RA6AF	KI0KB	DS3HWS
IT9XTP	DL3JSW	WA6TLA	RD4WM	KW0A	EA7SG
JA5EY	DL6JZ	YL2GN	SP5JXK	LZ2XF	EU6MM
JA6OXT	EA3CCN	YU3EF	UA6LCN	N3ER	EW3LB
JA8JTH	HA8DZ		UR1RWX	N3TR	G3BDQ
JH9DRL	IK0ZIO		UR2RGN		

G4AAW	W4AVY	PY2DO	IV3KCB	RB7GG	EA8AXT
G4PUQ	W4MZ	R2AB	JA1VVX	RK9F	EC5A
G4VGO	W5THT	R3IS	JA2VMU	RY6M	EI3ISB
I0OSI	W5VU	RU3UN	JA6TMU	SM2DMU	ES5NC
JA1JAT	W6SZN	S59DJK	JA7SFD	SM7NDX	FM5GU
JA2GQO	YO7APA	SM6WET	JF1RPZ	SP7JLH	G0VXE
JA2OLJ		SP5MXZ	JH3HGH	SV1PL	G3OIL
JA3FHL	102	T77V	JH3PRR	UA0FDX	G4CGG
JA8EJO	A6/RV6LNA	UA1AIR	JH7BKN	UG6GAW	GM3ZSP
JE1SYN	CT4BD	UA1CKC	J13KDH	UR7CQ	I2VGW
JH1DGQ	DK3QM	UA6HOF	K0LW	UT1CC	IK0HFO
JM2RUV	DL3DXX	UA9MR	K1YR	UT4IS	IK4MSV
K0EOO	DL3NCR	UA9UCO	K2BX	UT7HA	IS0/YO3RA
K2UVV	DL4CW	UW7CN	K2TER	VE2OJ	IT9CVO
K4LQ	DL4KUG	VE2FYR	K3SEW	VE3XB	IW0BYL
K5JUC	DL5RDI	W0JMP	K4NNX	VK2GR	JA1BRK
K7BTW	EA1CP	W1AW	K5DNL	W1FC	JA1CPU
K8CCV	EA8AKN	W1PV	K6AAW	W1GF	JA1ILA
K9MUG	EI4DQ	W2LW	K6XJ	W2SF	JA4FSH
K9XJ	EI6GF	W2TX	K7AR	W3WH	JA5DQH
KE1IU	ES5RW	W3EKT	K7IA	W4BUE	JA9CGW
KJ4R	F6BWO	W4ALF	K8BN	W4PM	JF3DRI
KJ7WY	FM5WD	W5TO	K9JU	W5RF	JS6TWW
KM9E	HB9AHL	W7IUV	K9PG	W7AV	K0LB
LX1DA	I8LWL	WA0IDK	KC4PX	W7CB	K0XM
N0RU	IT9SFT	WA1S	KD3UY	W8GB	K1NA
N1HOQ	IZ4MJP	WD8DSB	KE1VT	W9MAF	K1NZ
N9BBQ	JA0HXV	WS4Y	KE4S	W9ZCL	K2CBI
NU1T	JA8OW	WW5G	KF7NN	WA3EKL	K2CYE
OH3GD	K0YN	YO2CMI	KN6J	WB3HLH	K3TZV
OK1DQT	K1PTF	YO2IS	KQ1F	WC4H	K4FT
OK2BQU	K2LP		KS4XQ	WK9U	K4KSY
OK3BRK	K2TK	101	LA2GV	WR2G	K4QS
OZ7JZ	K3KG	AA2VG	LZ1XZ	WV9L	K4UQC
R9GM	K4AQQ	AA3LX	N0STL	YO2OXD	K7VIC
RA0FA	K4KAY	AA4NU	N2AJ	YO6BHN	K8BZ
RA4HT	K5ZO	AC2AC	N5AQ	YV4DYJ	K8CR
RK3QY	K7BHM	AC5O	N8AG		K8CS
RU3OW	K7UA	CT1JGA	N9JCS	100	K8LE
SM3CBR	K8BHZ	D44BC	NE1F	9M6YBG	K9NZ
SM6EHY	KJ6NZ	DH2FW	NX2X	A41ZZ	KA9UVY
SM7BHH	KN4KL	DK9WI	OA4TT	AA4AK	KB0EL
UA3PFN	KW4BY	DL1KS	OE3WQB	AB4VV	KC0V
US2WU	KY6R	DL3ANK	OH3TY	AC4VM	KC4D
UT2AB	LA3ANA	DL5JS	OK1PGF	AI2S	KC5LT
VA2ZO	LA6UL	DM3ML	OK2BOB	DJ6OI	KD8BZY
VA3IC	N5RZ	EA1WX	OK3EY	DK8MM	KP4N
VE3EDY	OH2EA	EU1TT	OK4MM	DL1TPY	KQ5M
VE3MFA	OK1DTN	G3ZFC	ON4LG	DL1TRK	LA8W
VE3VV	OK1JDX	G4FJK	PA4WM	DL9GTB	LU5OM
W0QC	OK3CSQ	GM3WTA	RA3AH	DU7ET	LU5YF
W0UVC	PA7TWO	HB9NL	RA4P	EA2AAZ	MM0SJH
W1CTN	PV8ABC	IV3GOW	RA4SD	EA3ALD	N0AH

N0ATQ	VE7JKZ
N1KI	VP2VA
N1MD	VR2PX
N2SG	W0GYH
N2XQM	W0MU
N3AF	W1AN
N4CRI	W1YRC
N4ZR	W2CCC
N7DED	W3BBO
N7TK	W4HHN
N8IL	W4OEP
N8NB	W4OV
N8OQ	W5BK
N9ADG	W7DT
NA6O	W7JET
NB3R	W8CNL
NG7A	W8FN
NJ3I	W8GDQ
NN4SS	WB4SON
OE5JDL	WU2M
OK1DXD	YB1TJ
OK2PAZ	YL2SM
ON4ANN	YO9FLD
ON7EH	ZP9MCE
ON7GB	ZS2DL
ON9CC	
OZ1ZD	
PA0INA	
PA7RA	
R3PJN	
R9JX	
RA3SD	
RA4LW	
RA6XB	
RC2A	
RN1A	
RT5A	
RU3GF	
S53MJ	
S59SV	
SM0CXU	
SV1VJ	
SV2DSJ	
TI5CDA	
UA3AKI	
UA4PAY	
UA6CEY	
UN6P	
UR4CW	
UR4LRG	
UR8IDX	
VE1RGB	
VE3OAT	