

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 06 Nov 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 GM3GAV SM3GSK	
340 K1ZM	324 EY8MM K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA PE5T S50U W1JR		303 F5LGE G0JHC GM3YTS JA1BK JA4LKB K1UO RU3DX	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ RA3DX SM5CEU
339 W4DR W4ZV		314 IK4GME NX4D OG2M OK3GU OZ1LO RW2A UA4CR	309 I4EWH		297 DK5PR N4CC OM2XW W0FLS
335 OH2BU R7LV	323 SP5EWY		308 IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF SV8JE	
334 N4WW	322 UX0UN W3UR		307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK	296 DF3GY F5NTV G4PWA ON5NT RY9C SV8CS W1JZ
332 UR0MC	321 WB9Z	313 GM3POI OE3GCU OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q YU1FW		
331 K5UR LZ2DF UT7QF	320 K8MFO SM4HCM W8UVZ	312 OH1MA S54E		300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU PA3FQA SM3EVR VA3EF	295 K3UA
330 AA1K HA0DU OH1XX R4GM	319 N0XA SM4CAN UT5UGR	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 CT1EEB JA7NI K4ZW N4IS		294 DL1AMQ JH2FXK LA5HE N0TB
329 K3UL UA4HBW	318 4X4DK W9ZR				

RJ3AA WD5COV	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	281 DF2PY JA2PJC K1CP S59Z W4TO	K2UO K4IQJ SP6AEG UW2ZM	RA3XDX W1MK	NO8D SP1S
293 JH4UYB S58T			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	280 EA6NB KG4W RV3LO SP6HEQ YO3APJ		266 G4OBK K1QX NR1R R3LA W1GL W8TE W8XD	259 DF4PL F6GCP G3ZSS I1FQH R9FM
291 9A7V I5NPH KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ	285 G4CCZ UR5WA	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	265 AA4V* AA6YQ AA7A EA5BM EI7BA K4XP RW0LT SP5DIR YO5BRZ	258 KW9A N2NL RN3CT VE3QAA
290 UA3AKO UT1UY	284 K5XI SP3DV UX1AA	278 DK0EE F6BEE JA3FYC K5DU RU3FM	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	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	277 AA4MM DJ9VA DK5WL F6AOJ HB9AMO IK5BAF OH3BU ON7TK SP9DWT	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP	256 9A5CY JA5BZL JH1GZE K5VRX K8FL KY7M SV8GFW W1TSP W3DF
288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	282 DL1YD HB9BIN I0WDX IK6DLK K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	276 G3LZQ N8RR N9IW OK1AWZ VE2Tzt	270 AA1V LA3MHA OE5KE SV8BHN	262 G0DQS IK5HHA KR9U N5KD W1YY	255 IV3ODE K4QL N2MF R5AJ UX0FF VK4MA W3KX W5OZI
		275 9A1CCY F5NBU I2AOX IK4CIE	269 K6ND KD5M SP9JZU W1ZC	261 9A4T DL9YX K2EK K5KC N6SS	254 AA1QD I1EIS N0AT
			268 DL5DSM G3WPH K8PT		

OM3DX WA4FFW	NN4X NO2R R7IA WA7NS WB3AVN YO9HP	K5ZK KA9CFD N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	NI0G OM4EX	UA3AP	JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT
253 5B4AGN IV3YYK K5ESW S58Q UA1OMS W0YG	246 DJ2TI F2JD IK0MHR JF8QNF K2FF N6TR TF4M UR5EDX W2TQC W5XZ	240 EA6ET G8VR JA5MHD JR3GWZ K0JUH K0KT K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA	236 AB4I K1JO K5EK K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK WA7NB	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	
252 EA1DR JA2VPO JF2MBF JG3QZN JQ3DUE JR3IIR ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV JA7QVI N9US RL9F RY7G W9XY		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	244 AG9S DK6WL F6BLP IK0XBX JA1HGY ON4IQ	239 AJ6T K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK UW5ZM	234 IZ8FFA K1AR K4UTE KF0QR PY1BVY S51DI	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	224 MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ
250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG ON4ATW S57A SV8CKM W9RPM WX4G	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	242 EA4KD KG7H		232 EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T	227 DL7HU ES1RA I3BUI IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR
248 K3WW K5RX SM3VAC T77C W9NGA		237 AC4G DL7MAE IW1ARB		226 DL5WW	
247 K0IEA K6XT	241 JA0CRI JA1SYY JA3EMU				

N8PR N9BX SM0CCM	JH1IFS K5PC ON6YH UA3AGW	WS9V	K2FU K5RT LA7HJA N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ	N7FU SM2OAN UA0SR US6EX W2HUV WD8PKF WF4U WI8A	W5TCX
221 JA2WYN JJ3PRT K4MWB K8SIX N6VR W1ZK W6JRY WS6X	216 F6DAY JA9PPC K3JGJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW PY2XB W0LS	203 AA5AM JA2XYO JE1PNX K4XO K9MMS KK2I NK1K OH1TV PA0A R6AF W7DO W8GC	200 G0OIL IK0FVC JA1GTF JH2RMU K1GE K1GG LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W3GG
220 AG8B DK2NG HB9LCW HL5IVL JF3KON JR4OZR KA1R N1LN VE3EXY	215 IZ8FWN JH0INP N7JW RA1QD W0UO W2LK W6YI	211 EA1RT IK4DRR JA4DEN K3WA RU3SD WA5VGI WP4U	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	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW KA9FOX W8UN WB8ZRL		198 DL1ROJ G3UJE G4BUE I5KKW IT9JNR JA4PXC RX3APM W8HB
218 AD5A DJ4PI DK0PM IK1YDB JA6LCJ JA8CDT K0EU K5EJ K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ W2WG W3YY	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA KG9N N9LB VE1DX VE3LYC W0ZR W7KNT W9OO	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A N4NX N4QS	201 AG4W CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK W2IRT	197 G3SNN JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS XE2X
217 DM5EE		208 G3NSM I4LCK JA9FPI JF4VZT			

196 4Z4DX AA4HP IK4PLW JA3RAR K8PO KP2A ND0N RA9CMO RZ4FO W2FCR W4UM	RN1ON UA0CA W9MU WA2VYA	WA3C	JA2ZL JF1NZW K4HGX K5KLA KB4ET N9RC S57AC US8UA UT2UB W2YJ	ON5FP W1RM W7BEM W8TN	K8MN N5OK OK1DWC RL3FA SM5FUG W4BP W4GD YO7NE
195 EA3JL EA5RM G3ZEM JA0EOK JA1EOD JH1QAX JN7FAH K3PA K7SO K9RT KF8UN N1SV W5ZG W9OP	192 9A2NA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG N4DB OH2IS W3UA W3YQ W8LGJ	188 AB4IQ CT1FMX JA1KQX KB0EO KB1EFS KE9ET KL0S N8LJ RM0F W1YM W6SR W8JV WA6YEE	183 IT9INO K4CN K8RRT K8VC N9MB NN2L ON6SAS W2FP W8NW	179 IT9ELD IW0SAF JA9NLE JR7BDQ K0TT K8WK N2PK OK1MG S57UN SM4DDE SV3FUP W8KEN	175 JA1CHN JH2QMT JS3CTQ K4DLI K5GKC LA5LJA N7IR N7XR PE1L SP1MGM TF3SG VE3FF W8HC WX0V
194 JA1XEC K4KDX K9JF KB9LIE LA7AFA SM7GIB W2LO W4FC WD8JJA WN6W	191 CT3MD JA1ANR K0BBC K0JGH K8FC K9LA NE1B RK2FWA WE9R	187 AJ1H JA8DNV K0SR K6SRZ KN5O LA0FA N2NS OK1CZ SP3FAR W7AWA	182 DJ9ON DK3UA HK3W JA1SHE JA3ENN N3OC UR3EO	178 4Z5CX EA3CJ JA4MRL K2UR NE0U SM7DLK SV1JG W6NWS W7MEM ZS1LS	174 4Z5MU JA0GJJ JA1PPW JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K1KI K2KA K3AJ K4TR K4WS N1EN OE1WHC RN7F UA3LNM W8UV W8VVG WT8C
193 CT1IUA DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW K4ODL N5LZ N9EN PA0LOU	190 IZ8XQC JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH SP2LNW VE7VV	186 9A8A IK2QPR JA2LCP K0BJ K7LAY YL2TW	181 DK3WW JA2BDR JA9TWN JN4MMO K2EP LZ2ZG VE3OSZ W9AJ	177 9H1SP AE5E CT1GFK JL1SAM K3WC K4RG K9NU SM6DHU W2OR W5LT W7FI WB7B	173 5B4ALJ I1JQJ JG0CQK K1NTR K4XR
	189 9A2F AA1ON EA8PP FM5CD JA0VSH SM0NJO SP7HOV UA7T	185 AB6QM CT1EAV EA6BF G3KWK IK3SWB K5ZD LA3WAA N4TJ N5UR OE2BZL SV1DPI UA9CBO	180 CT1FPQ DM2DXA DM3VL EA8JF IK4ADE JE2URF K6SSS K7BG LA9AJA N1RR N4AH	176 EU1AB G0BLB I6FLD JA0DET JA5IU JA6BJV JA8KSF	

K9YC	JA1ADT	166	163	K3MSB	JA1GHH
KA1J	JE2LPC	4Z1UF	9A2JK	K3RA	JH7IAJ
N5FG	JR1IZM	DJ4SO	DJ9HX	NR4M	LY5A
PY5EW	K1LI	HB9FMN	JE2LUN	RU6L	N5MOA
UN9L	N4XX	IV3TDM	JH4CPC	UA0FZ	NE9Z
W3IP	N7US	JA1FNA	K7NN	UX5UO	RU4UR
172	UT8MM	JA9LJS	K8TL	W1BR	SM3PHM
EA7TV	UY5AA	K1KA	OK2QA	W5XC	SV8ZS
G3NKC	W6RW	K3KY	UR4CWQ	W9RN	W2TA
IZ5MOQ	W7Yaq	K4JLD	VE3CFK	WX0B	W5GZ
JA3FGJ	WB3JFS	K4PB	W7AL	159	WS7L
JG3IWL	168	K4WA	162	JA4FKX	YV2IF
K0DEQ	G3MXJ	K4ZYU	4O3A	JA9APS	156
K1BD	IK2EGL	RM3DA	9A4W	JH6QFJ	AB9V
K6FG	JE7JDL	W0DJC	F3AT	JL1RUC	IZ8IEV
KJ0M	JF2UPM	W1RR	IZ4DPV	K4RO	JE3GRQ
VE6WQ	K4XD	W8ILC	JA6GIJ	OK2ZV	JO7HAM
W3JX	K5QY	WA8TXT	JR5JAQ	UN7JX	K0QC
W4FQT	K8RYU	165	LB6KC	W3HKK	K8YSE
WA9PIE	KR4F	DL7UCX	N8MR	W6BJH	KS1J
WC4X	N4QQ	F6HDH	RW3RN	W7SX	N3RC
171	N8BJQ	HB9TKS	W0HT	WD5BJT	N3UA
AA9D	PA7F	I2ZGC	W0TT	158	N7WS
DL6KR	SP5GH	IK0AGU	W1LW	AA6AA	OE5RLM
G0EHO	SV2AEL	JE7RJS	W8WEJ	DJ4PT	UA3SAQ
HA9PP	W4SVO	JH7CFX	161	DL1FKA	VA3LX
JA6HUG	W6VX	K5JZ	DK2GZ	G4GIR	W1YIF
JR1TNE	W8OI	KK4CB	DL6RAI	IT9DSZ	W4TV
K1NU	WA0MHJ	N4HB	HB9DHK	JH1TWT	155
KI5BLU	WA5YNB	N9FN	JA1DOF	J11FXS	CT1FCX
N0RN	167	RC9F	JH4ALY	J11NJC	DL1RK
N4OGW	DK5AD	SM4CTT	K1USA	JR1GJP	DL4SZB
N7RO	EC3A	SP6EQZ	K5GO	K1CA	HB0CC
RA3DNC	EI6FR	W5BN	K8ND	K5TT	K2LS
SV1LK	JA6VQA	164	LB2TB	K9GA	NE0DX
170	K6KO	GU4YOX	N4GN	OZ1HX	NW7E
DJ6TK	K8NK	HA7UW	OH6RA	RU6M	SM6VR
JA6JPS	K9MBQ	HB9BZA	VK3HJ	SM4EMO	W2XI
JE3ENP	N0IJ	JA1RTX	YU2TW	W0SZ	WE1P
JF1WPB	N3BNA	JA7ZP	160	W1OX	WS5W
JM1GYQ	OH2BLD	JH2SON	AD5Q	W2XL	ZS6EZ
K6ZZ	PA3C	K1NJ	DK1WB	W3GQ	154
N4PY	RA1AOB	N5WA	DL1DA	W4QN	3V8SF
SP3GTS	RN9N	RA3ZH	IK0FUX	157	GM3PPE
SV3KH	S51EC	RN3OG	IW2FND	AA4H	HB9BUN
W9EVI	W1YW	W4DKS	JA2EPW	AC6DD	JA8NFV
WA3AFS	WA4LOX	W4NS*	JE2DZC	DL4MM	JR3OEH
169	WB0TEV	WP4G	JE2OVG	DL6MRS	K0KVR
IK0PEA	WC5N	WW3S	JF2XGF	EA5BY	KR2Q
			JR7MAZ	G3TQZ	NX8Y

SV1CNS	JH1NYM	WB8B	K1OA	N6PAT	ZS1C
W1NA	JR1XIS	WD5K	K3VAT	NN4R	
W5DNT	K2AX	YO3DDZ	K4OY	W0IZ	140
YS1RR	K2FW		K8BL	W6QUV	9A1CAL
153	KD0PO	148	KF6HI	WB8CQV	HB9RYZ
AJ9C	N2ZN	DK2CC	KR0P	WB8ZRV	JA4OK
DF2RG	N5JB	F5CQ	N1CGP	WD9DZV	K5WK
DL3ZA	OK1ATP	F5LVL	N4GG		K6KLY
G3TJW	RD3A	F5PAC	N6PSE	142	KF8DX
HL2CFY	RU3A	G4FTC	NA5C	I5HOR	N4XP
IZ3ENH	S54A	JH1QDB	RT0F	JA2ATE	OH6NIO
JF1IRW	SP7AWG	LA6OP	SM3DTR	JH0BQX	ON7DR
JR9OPJ	SV9AHZ	N2WB		JR7WFC	UN1L
K7SP	W7CT	N5XZ	144	K3PP	VE6SV
K8VFX	W7RH	NE3F	CU3EQ	K4WZ	W0SEI
LZ1PM	WA1Z	W5FKX	DL5CW	K6EME	W4NU
N4TV	WA2BCK	W9JJB	DL5KUA	KK1W	W7IV
N5TW			E70T	LA9VFA	W8LWU
N8II	150	147	EI6IZ	MM0SAJ	WO2T
R9OK	EA1AF	EA3GP	GM3ITN	N7QT	YL2MU
SM6CLU	IV3RAV	IV3VBM	HB9BYQ	NA4D	YO9FNP
SP5CCC	JA1SVP	JA1XQC	I5MXX	NQ7R	
UT5UY	JA2NQG	JN1BMX	IT9GSF	NY2NY	139
WB8BPU	K0RS	K7HP	IV3DXW	OK1DO	DF7EE
	K5TR	K8UT	IZ4GWE	W2OO	DJ4XA
	K7LV	KM1H	JA3GN	W5LUA	DL5EBE
152	K8AJS	N1IBM	JE1FQV	W5VQ	DL8OH
EW2A	KU4XO	PC3T	K0VSH	WA5POK	DS1JFY
JT1CO	N3QE	W1OP	KJ9C		HB9CQK
K9MK	N9CO	W2KKZ	LA9GX	141	JA1TMG
KQ4AV	OE8SPW		N1IX	AC9S	K3ANS
KS3F	SQ5EBM	146	N3KK	DL5MHQ	K6AM
N9OY	UA6YW	EU4A	OH1JP	EW1BA	K8GI
S55ZZ	W2/CT1GIF	JA1HQG	SM4OLL	HB9FMT	K8RF
UA6IGI	W6DAO	JA4DHN	SM5CLE	JA1PTJ	KA8SYV
UN7LZ	WW2DX	JA5XAE	W4GE	JA9RRH	KU0A
UT5AB		JH1GNU	W5ADD	JH1HHC	LA8WG
VE6LB	149	K5KV	W7ZI	JH4JNG	OK1MP*
W1SKU	DL7CX	K5SM	W8RLS	J11DCW	SM5CBM
W1VT	HB9HFN	K6NR	WC5M	JL1UXH	SV8ZC
W6RLL	I0JBL	K7WP	WD5T	JR2LJO	W0SD
W7AJ	IK4FNF	N7BT	YO3CD	K2RW	WA8WV
WB3CQM	JL1ARF	RU0SN		N8OC	
	K3TN	W1IZL	143	NJ3K	138
151	K4YYL	W1ZT	DL1DUO	OE6VIE	DK8MCT
AA7G	K5VWW		DL6EN	SV3FUO	DK8YY
CU2AP	K8ME	145	HS0ZEE	W2CG	EI9FBB
DK2OY	K8ROX	AF4HX	IT9BLB	W3BW	F6DDR
EI9JF	R8TX	HI3T	K7CMZ	W4JVN	IK8EPC
F3SG	SM6CUK	IZ0RVI	K7CW	W4VIC	JA3OOK
HB9SLO	UW7UA	JE6TSP	N2RJ	W4WT	JF3LOP
JA2VQF	W0GG	JJ3HGJ	N2WM	W8GNM	JH7RXU
JA6BEE	W7HPW	JK1AJX	N5UW	W8HW	K1RO

K2RET	JA2KVD	JA7GLB	K9DR	K8DV	N1AC
KJ6P	JA7LMZ	JA9AGN	KC2LSD	LB7ZG	N1GC
LB5WB	JA8BNP	JR6FC	KH2L	N0YY	N9RD
ON6AA	JA8JL	JR7FRW	KM3V	N2BJ	OE8HIK
OZ8X	K1ZE	K2CDJ	KM4H	N3KS	PA3EWP
RW4CY	K4ZRJ	KS4YT	N3MK	N3RR	SK7AX
UN7JID	K7FL	KU2A	N4QWZ	W0YVA	SP6A
V51B	K7XB	OE1KM	N5PHT	W7QHE	SP7ASZ
W1GD	NZ9R	ON4CAS	N6RK	W8MET	W0CP
W2YE	R7LP	RA5BM	ON4ON		W0RT
W4YV	RN3RQ	RV4LC	PY5EG	128	W1OPD
W7OM	SM3LGO	UQ2PZ	R0SR	AA4SC	W3BG
	SM5CZK	VE3WT	R9MJ	DM2RM	W3FOX
137	SP3XR	W0NFL	R9SA	IK2SGB	W3MF
EA1YO	SV5DKL	W2QO	W8DCH	IT9ZZO	XE1KK
GM3YOR	W1DIG	W5AJ	ZS1A	JA2AHH	
IZ2FOS	W1EQ			JA2KSP	126
JA3APU	W2GD	132	130	JA9AA	AC9EM
K2QMF	W4BUW	AA4NC	DF9ZW	JE1LFX	DJ8WD
K8NS	W4MBD	AB9M	E73M	JH4GJR	DL9FCY
RA3CO	W4RFZ	AD6W	EI2JD	K0FF	F8BPN
RG7G	W6DR	IK3VBB	G7VJR	K3XA	G4IUF
UU1JA	W6JTI	IT9RDG	HK0HEU	K4JAF	JA1XCZ
W1ITU	WE4S	K6YUI	IK3XJP	K4SE	JA7KY
W5ODD		K9ZM	JA2FBC	K6LPO	JH3CUL
WB5JID	134	N6HY	JG1DUZ	KG7CW	JJ1DWT
	CT3HF	OZ2RH	J14POR	KM4NS	JN1RQV
136	HA1RB	SM4BZH	K2MYR	N5KM	K2ZD
E72U	IK4DCS	SM6BGG	K3NK	OZ1IKY	K4JKB
ER0FEO	JA7LGE	SP6M	K6SIK	R9SG	K4XU
HB9IQB	K1TO	VE3CRG	K7LFY	S53X	N8NA
IK8CNT	K1ZN	W4AXL	K8BCK	S55DX	OE3SGU
JH4HMG	K3OX	W4RBO	K9GL	SM3GQP	OK3CQD
K0TV	KX4TT	W4WM	KO8SCA	SV3DCX	PA5TT
K4ZO	N9MR*	W5SL	NA4EA	US8UW	VE3CX
K7TM	N9RS	W7AH	NO9E	VQ9LA	VE7BV
KR6C	OE1TKW	W7CD	OZ2ABI	W2WC	W8LMG
NA5DX	OH1ZK	W9FR	R3VA	W4IS	W8MK
OK1DW	PY5HOT	WB3D	R5QA	W6RKC	W8REW
SM5OJH	RG6G	XE2S	R9AB	ZS6UT	W9ILY
SP2BMX	RX4HW		RU1AO		WB0O
UT3UZ	SM0BYD	131	S51NM	127	WB2REM
UW8SM	SP6JIU	DK7YY	TA1CM	CT3KN	WD4LBR
W2OIB	UA0ACG	G3UHU	VE3DO	HK1MW	YU1EXY
WB7QXU	W4JKC	HS1NGR	W2MPK	JA1DDH	
	YU1AM	IV3KFB	W9ZT	JA1WLO	125
135		JA0AOO		JA8RJE	9A1AD
5B4MF	133	JA2TBS	129	JA9KRO	AG1A
DJ9ZB	9K2NO	JH4ADK	HB9AZZ	JH3AIU	GW3TMP
F6FXU	EU1U	JJ1TEA	JA1NWD	JS2LHI	HK4SAN
IK8GYS	IK5DNF	JM1FHL	JA8JO	K0RW	JA4IYL
IU0HDC	IZ8DFO	K1UU	K4TT	K3TRM	JA6VU
IZ7EVZ	JA6CBG	K5VIP	K6XM	KM3T	JE1TSD

JE6UWU	K2PK	EI2GLB	OZ2A	118	N2JJ
JF2WXS	K3XO	HB9DHG	PZ5RA	5T5PA	N4IR
JH1AGU	K4ZIN	IT9AAI	RL3BZ	AB2E	N8AA
K1HAP	K5GH	JA2HYD	SP7ITB	DL5OCE	N8XI
K5KG	K7UT	K3FRK	SV1IW	JA4FHE	NY4G
KA6BIM	K9CS	KD8RQE	UR5IKN	J18DGO	OZ5HP
KI4WCQ	KV4T	KG9Z	US0YA	JN7DOS	SM7BIC
LZ1XL	N2ED	N0OK	W0RX	K3WGR	SP8HKT
N2KA	N4DWK	N1JP	W2YR	K4CNW	UA6J
N3EN	N6MZ	N3ND	W3OA	K5XM	UB3A
N4JT	N9JV	N4TL	W4PRO	K7PI	UR9IDX
ND5S	N9LQ	N6HC	W6RFL	K8LN	US1CT
NW6S	NA2P	SV1AHX	W7RN	K8WVA	W4ZRZ
OE1AZS	NA9RB	SV1FKZ	WP3R	K9GWH	W6SL
RA0BA	S50B	UQ1GWW	ZL4AS	KD2T	W8ZR
UU7JM	UA3DK	UT4EO		KD6UO	WA2USA
VE3UTT	UR9QQ	UU2JQ	119	KG8CW	
W5DAW	UT3QU	VA3AYA	AA3AZ	KV4AA	116
W9CG*	W1AO	W0QQ	AA4DD	LZ2HM	AJ4F
WV4TN	W4NF	W2GG	AE3T	N2MM	DL7URH
YO2RR	W8NJR	W3RJW	AJ4A	N4DJ	EA5BRE
	XE1H	W6XI	DK3GG	N6MB	HA7PF
124		W9XX	DL9OBY	PY2PA	IK0EIE
AA7XT	122	W9YE	EW4M	RN3TT	IK2OHG
AB1OC	BA4RF	WA1PMA	G4DJJ	SV9COL	IT9TQH
J11DHY	G3NDC	WT4Q	HB9AAQ	TA2RC	IV3HYD
KD4POJ	JA1MRM	WY1G	HB9BCI	W1KSZ	JA1WTI
NA2U	K1BZ	XE1VIC	I2TZK	W4DAO	JE2EHP
PA0TCA	K1ESE		I4MKN	W4NJ	JH3GCN
UA0BA	K1YT	120	IU0LFQ	W5JMW	K1DC
VA7CRZ	K2MP	9A5F	JA3AZD	W9FI	K1RI
VE1DUN	K7ZA	AA5JF	JA4XGC	WX3P	K9FN
W2JU	LA7WCA	AL7TC	JE2JMV	YO4AUL	KT1V
W2RIJ	LA8PT	DL2VWR	JH6CDI		KV1J
W3FM	N3NR	FG5FR	K5UZ	117	NA9Q
W6CYX	N9AW	HB9BLQ	K7EG	9Y4VU	OZ1LCG
WB8K	NN7X	IZ0LKV	K8KWT	AE0P	PA0JSE
	OZ3Y	IZ5NFD	K9SG	BH4IGO	RV3ID
123	RD4A	JA4EPE	N0KV	DL1DWT	TZ4AM
AC4TO	SP9WZS	JR3UIC	N9UA	G3PLP	UA4PCM
DL7JRD	UU4JMG	JR6LLN	NT2A	IT9DAA	W1ENE
F4GTB	VE6AX	K2BA	NY7T	JA1HQT	W1WEF
G4WFQ	VK4CAG	K2HK	OH5NG	JA4FM	W7GG
G5LP	W2TB	K3QIA	OK1DT	JA5FDJ	W7OEV
HB0WR	WA3I	K5JC	R6FFB	JA7GYP	W8LRO
IK2CHZ	WA7BNG	K6FW	SV1ACK	JA7IC	WQ5L
JA0CRG		KA8ZPE	VE3YF	JM3GXU	
JA1SJV	121	N4BAF	W4HZ	JR2UBS	115
JA3MHA	AA6RR	N4LR	W8FIB	K2BB	C6AGU
JA6WJL	AA8CH	N4TB	WC2K	K3NF	CU2CE
J14WAO	DF1DB	N4UFP	XE1RCS	K6PJ	DL9GOA
JK1EXO	DK1EI	N8PW		K8OOK	G4XEE
JR1EBE	DK6CQ	OE3EVA		K8QM	G8BCG

G8DX	K5CD	VE3KI	W2CVW	W8MIL	WL7E
HA5UK	K5RJ	W2GW	W2SKI	W9RB	XE1FAS
HK3PJ	KB8U	W6BK	W3UL	WA2BOT	YU7AU
IW0HEX	KZ4V	W8FAX	W4VHF	WA2MUA	ZL3NW
IZ7JVR	N1QY	W9DX	W5VX	WB4TDH	
JA2KNW	N3MN	W9HBH	W6TC	WB9EEE	109
JA3NHL	N4IQ	W9VNE	W8GEX	YL3DQ	DF1KG
JG3LGD	NU8Z	WA4DOU	W8HMK	YO6HOY	EA3GHZ
JH1RFM	UA3FT	WB2HJV	W9SE		EU4T
K0GD	W0VX	WB2UFF	WA8OLN	110	F8EZE
K0SD	W3MR	WS4C	WT9U	BA4MY	G3SVD
K4CMS	W4TUN	XE1RBV	ZP6CW	DL1VDL	IW0HQE
K4GHS	WA1FCN	ZL1BYZ		EA5BYP	JA2CXF
K4GK	WA4CEM		111	F5BAR	K2ONP
K8YTO	WA8MCD	112	9K2OD	G3LNS	K4RDU
KZ5DX	WA9YYY	A92IO	AA4U	G8AJM	K5FZ
LY4T	WN9O	DJ1RL	AF4OX	HC1BI	K5KA
N0IRM	XE3ARV	DK5RL	CU3AN	HI8R	K5KPE
N4OA		DL5CL	DG7RO	I2BBJ	K6MW
N5BO	113	EA1JO	DK2WH	IK5RUN	KE1F
N8KOL	9A1A	EI8IU	DK6ED	IK8UHA	N1BZ
OH8LXT	DJ5DT	EW1DO	DL1HRN	IZ0CKJ	N2WLG
PA3AXU	DJ9RR	G3XGC	EV1R	J68HZ	N7TY
RZ6MJ	DL8CM	HB9CEX	F6ECI	JA7EPO	N8NN
UA1ANA	DL8DYL	HB9CRV	G4DBN	JE2UFF	ND4V
UA1CGS	G4AFJ	HB9G	HL3GOB	JH1VHU	NN4RR
UA6XT	HB9EFK	IK2ANI	JA1AUD	K2BLA	NU4I
UN6T	JA0GCI	IU8FRE	JA1FGB	K3JRR	NX7U
W4UCK	JA4ITW	IZ4DIW	JA1NCZ	K3PH	PY5CC
W5VY	JH1ORA	JA1SXR	JE8TGI	K4WW	RW4UU
YL2CZ	K0TPP	JA4BXL	K0FLY	K6MI	RW9QA
	K8SL	JA7BXS	K5WAF	K6VKO	RX3AGD
114	KA4RRU	JF2WGN	K7ORK	KB4MRX	TG9NX
AB4GE	KH6DX	JR7TEQ	K9AJ	KC2STA	UB5ZAL
BA4DW	KI0G	K0JPL	KM1R	N2CG	UT7KF
BA7IO	KT1J	K1EDG	KP4AA	N3HBX	VU2CPL
CT3FN	N6PE	K1EO	KZ0X	N3IQ	W5WP
CU3AK	N7KO	K1KO	LA0CX	N3JB	WB5TUF
DL6NB	N9ISN	K4UAS	N4WJ	N4KE	WN0L
F6CWA	NA3F	K8CC	N7BD	NC6K	YV3AGT
G3SDL	NG0G	KB2FCV	N9HF	NK7C	
HP3TA	NI5F	KI4DLS	NA1DX	NY4I	108
I5OYY	NK5B	KM1C	UR6QA	RD9M	AI2Q
IK7YZG	NZ3M	LA8HGA	VE6KC	SM5BHW	AL7R
JA1OVD	ON5UE	N5ZC	VE7CT	SV1VS	DL6CNG
JA4KDT	R7NA	N6MA	VE7UF	UA3O	ER1LW
JA5WIZ	RA4UN	RU4SU	W0VHF	US7MM	G3VAO
JH6WMJ	RZ3AUL	SM3DMP	W1FO	W0UY	HB9BAT
K1RV	SM5ARL	UA1ACG	W4HOG	W3XY	HB9FAN
K2DC	SP3EPG	UA1CEI	W4OX	W4DC	IK0PRG
K2HAT	SV1JFV	UT6UD	W5AQ	W4NE	IZ0BTB
K3MD	SV2AVP	VE7XF	W7VS	W5ZPA	IZ2EWR
K3OSX	UN7TW	W1HEO	W8KA	W6KK	JA2MOG

JJ2PIK	G4RGK	DJ6OZ	W8OP	RA6AF	KH6KG/W5
JK1MZT	I5IHE	DL2NOM	WA4MYO	RD4WM	KI0KB
K1EP	IT9XTP	DL3JSW	WA6TLA	SP5JXK	KW0A
K1XM	JA5EY	DL6JZ	YL2GN	UA6LCN	LZ2XF
K2CJ	JA6OXT	EA3CCN	YU3EF	UR1RWX	N3ER
K2KQ	JA8JTH	HA8DZ		UR2RGN	N3TR
K2MK	JH9DRL	IK0ZIO	105	VE1PZ	N4GU
K4WY	JR1BAS	IW3GJF	DF2PI	VR2MY	N4TTE
K4YJ	K0MD	JA1VLK	DF8AA	VY2ZM	N6PF
K6UT	K1TZQ	JA2MNB	DJ3XD	W1LE	N6WM
K8OM	K3SW	JE6IGP	DJ6KH	W1LY	N8MZ
KM8AM	K3YBN	JG3HBO	DL4ZAB	W1MRH	N9DR
KN4JX	K4MS	JG5RVQ	DL6XK	W4OWY	N9PGG
LU2DKT	K4SAF	JH2KKW	DO1CTL	W6FF	NJ9C
LZ3YY	K8LBT	JH6PFY	ES1GO	WQ5W	NN3Q
N4MEC	K8ZR	JJ0NCC	G3YUV	YU1NR	OH4UI
N6RFM	KB9DAK	JR0EQQ	HA8FW		PA0GMM
N9SF	KE2R	K0DEW	JA1BWA	104	RA1QX
N9TF	KZ1W	K1PX	JA1TAA	9M2AX	RU3UR
NU4Y	N2RR	K4DSE	JA4EVN	AD1C	RZ6DX
PA0ZH	N3DAP	K5AM	JA6VA	AG4Q	RZ6LB
R5FY	N4RF	K5ZQ	JA7BME	AH0U	SM5CCE
R7LA	N6EE	K8JJC	JA8RRF	CP8HD	SM7CQY
RX6DX	N8AGU	KD9HL	JA9APM	CX3CE	SO5AS
S57J	NA5Q	KK8X	JF1RYU	DK3BK	UA9FGJ
SM6AOU	OE1CP	KK9H	JF2VAX	DL4FAP	US5CAO
UX7UN	OK2BUZ	KQ3F	JO4CFV	DL7UPN	UT4EK
UZ6LWZ	OK3CQR	N0JZ	K1DJ	E73D	UT7EC
W2UB	R0FA	N2CW	K2XF	EA8ZS	UX4UM
W3NRJ	RN4AA	N2SQW	K5AV	EI9E	UY0MM
W4ZYT	RV6ARZ	N3XM	K6DJ	F6AJA	VE3VHB
W7ACD	SP3BQD	N8AID	K7OX	F8GB	W0YBS
WA2ALY	SP6AXW	NA5Z	K7PO	G3BRD	W1QA
WA8MOA	US5CB	NI5M	K9RO	HB9CIP	W3DRY
WB8BZK	VE3OI	NS3L	KI5T	HK3O	W3TMZ
WC1M	VK3NX	OE5CSP	KT2E	IK0DWN	W5BK
WC6DX	W3KB	OH2OT	KX2A	JA1SDV	W5CWQ
WD9EQU	W4MAY	OK1AYU	LZ1JZ	JA2FGL	W5GJ
WW1WW	W6TDX	OK2BVG	N2DPF	JF1EGO	W5ZO
ZS2DL	W8IW	S57AL	N4JI	JF6WTY	W6PH
	W8VK	UR3CRO	N4NW	JK1BSM	W7DR
107	W9CPV	UT7UU	N4PL	JO1WXO	WA0I
4Z5LA	WA0RVK	UU5WW	N4SC	K0WK	WA9ETW
DJ8ES	WB6CJT	V73AZ	N4VN	K1BG	YC0LOW
DK3FB	WB8ART	VQ9SS	N6NU	K3FM	YO5ODE
DL1QQ	WS1L	W1CWU	N7DR	K4KEW	
DL2CHN	XE2YWH	W2EQ	ND3L	K4MF	103
DL5XU	YL1XZ	W2LE	ON7PQ	K4VIG	AG1I
DO4DXA	ZL3RJ	W2NO	OZ4AAL	K5HK	AI3Q
EA5AT		W3ICM	PF7M	K6UM	DJ1MM
EA7QW	106	W4IR	PJ2/K8ND	K7TJR	DJ3GZ
FG8OJ	AA4FL	W5JAY	PY2DS	K9EA	DJ7PI
G4AKY	AE2U	W5KI	R6YY	KA2BZS	DL2HX

DL8YRM	VA2ZO	LA6UL	DM3ML	OK2BOB	DJ6OI
DM5TI	VA3IC	N5RZ	EA1WX	OK3EY	DK8MM
DS3HWS	VE3EDY	OH2EA	EU1TT	OK4MM	DL1TPY
EA7SG	VE3MFA	OK1DTN	G3ZFC	ON4LG	DL1TRK
EU6MM	VE3VV	OK1JDX	G4FJK	PA4WM	DL9GTB
EW3LB	W0QC	OK3CSQ	GM3WTA	RA3AH	DU7ET
G3BDQ	W0UVC	PA7TWO	HB9NL	RA4P	EA2AAZ
G3OIL	W1CTN	PV8ABC	IV3GOW	RA4SD	EA3ALD
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	G4CGG
JA3FHL	102	T77V	JH3PRR	UA0FDX	GM3ZSP
JA8EJO	A6/RV6LNA	UA1AIR	JH7BKN	UG6GAW	I2VGW
JE1SYN	CT4BD	UA1CKC	JI3KDH	UR7CQ	IK0HFO
JH1DGQ	DK3QM	UA6HOF	K0LW	UT1CC	IK4MSV
JM2RUV	DL3DXX	UA9MR	K1YR	UT4IS	IS0/YO3RA
K0EOO	DL3NCR	UA9UCO	K2BX	UT7HA	IT9CVO
K2UVV	DL4CW	UW7CN	K2TER	VE2OJ	IW0BYL
K4LQ	DL4KUG	VE2FYR	K3SEW	VE3XB	JA1BRK
K5JUC	DL5RDI	W0JMP	K4NNX	VK2GR	JA1CPU
K7BTW	EA1CP	W1AW	K5DNL	W1FC	JA1ILA
K8CCV	EA8AKN	W1PV	K6AAW	W1GF	JA4FSH
K9MUG	EI4DQ	W2LW	K6XJ	W2SF	JA5DQH
K9XJ	EI6GF	W2TX	K7AR	W3WH	JA9CGW
KE1IU	ES5RW	W3EKT	K7IA	W4BUE	JE1PHH
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

KD8BZY	UA4PAY
KP4N	UA6CEY
KQ5M	UN6P
LA8W	UR4CW
LU5OM	UR4LRG
LU5YF	UR8IDX
MM0SJH	VE1RGB
N0AH	VE3OAT
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	W6WA
N9ADG	W7DT
NA6O	W7JET
NB3R	W8CNL
NG7A	W8FN
NJ3I	W8GDQ
NN4SS	WB4SON
OE5JDL	WU2M
OK1DXD	YB1TJ
OK2PAZ	YL2SM
ON4ANN	YO9FLD
ON7EH	ZP9MCE
ON7GB	
ON9CC	
OZ1ZD	
PA0INA	
PA7RA	
R3PJN	
R9JX	
RA3SD	
RA4LW	
RA6XB	
RC2A	
RN1A	
RT5A	
RU3GF	
S53MJ	
S59SV	
SM0CXU	
SV1VJ	
SV2DSJ	
TI5CDA	
UA3AKI	