

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 20 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 SV8CS 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		
335 OH2BU R7LV	323 SP5EWY		308 IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF SV8JE	297 DK5PR N4CC OM2XW W0FLS
334 N4WW	322 UX0UN W3UR				
332 UR0MC	321 WB9Z	313 GM3POI OE3GCU OZ7YY	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK	296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ
331 K5UR LZ2DF UT7QF	320 K8MFO SM4HCM W8UVZ		306 EA6SX K4CIA SM0AJU WT3Q YU1FW	300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU PA3FQA SM3EVR VA3EF	295 K3UA
330 AA1K HA0DU OH1XX R4GM	319 N0XA SM4CAN UT5UGR	312 OH1MA S54E			294 DL1AMQ JH2FXK LA5HE N0TB
329 K3UL UA4HBW	318 4X4DK W9ZR	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 CT1EEB JA7NI K4ZW N4IS		

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 K8FL R9FM
291 9A7V I5NPH KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ	285 G4CCZ K5XI 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 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 SP9JZU	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP	256 9A5CY JA5BZL JH1GZE K5VRX 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 W1ZC	261 9A4T DL9YX K2EK K5KC N6SS	254 AA1QD I1EIS N0AT
			268 DL5DSM G3WPH K8PT		

OM3DX WA4FFW	K6XT NN4X NO2R R7IA WA7NS WB3AVN YO9HP	K5ZK KA9CFD N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	NI0G OM4EX	UA3AP	226 DL5WW JA6BZI JF2KOZ JR6EZE K9FD* ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT
253 5B4AGN IV3YYK JQ3DUE 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	225 A45XR JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP8NR VA5DX W7KW
252 EA1DR JA2VPO JF2MBF JG3QZN JR3IIR ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV JA7QVI N9US RL9F RY7G W9XY	239 AJ6T K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK UW5ZM	235 CX6VM EA6VQ JA0FSB JH4ADV K3SWZ N6DX R7DX VE3XN	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ	224 MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ
251 DJ7RD DL9RT JH0BBE PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP JA1HGY ON4IQ	238 DL8WN IK0XEZ IZ1LBG JA0DAI OK1CF RA0FF VO1HP W3LL	234 IZ8FFA K1AR K4UTE KF0QR PY1BVY S51DI	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO UR5FEO ZS4TX
250 HB9RG IK0XBX NQ1K OZ8BZ	243 DK2JX DK3DG JA0CRI ON4ATW S57A SV8CKM W9RPM WX4G	237 AC4G DL7MAE IW1ARB	233 DJ5FI K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO	228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW
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 N6JV W9BF	
248 K3WW K5RX SM3VAC T77C W9NGA	241 JA1SYY JA3EMU				
247 K0IEA					

N5JR N8PR N9BX SM0CCM	217 DM5EE JH1IFS K5PC ON6YH UA3AGW	W2WG W3YY WS9V	JF4VZT K2FU K5RT LA7HJA N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ	N4NX N4QS N7FU SM2OAN UA0SR US6EX W2HUV WD8PKF WF4U WI8A	W2IRT W5TCX
221 JA2WYN JJ3PRT K4MWB K8SIX KV7K N6VR VE3LYC 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 WA2HZO	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 LY1G N5ZM N7KA OK1DOT R9TO RA3S UA9FAR ZL3IX	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP 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 K9YY 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	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA KG9N N9LB VE1DX W0ZR W7KNT W9OO	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A	201 AG4W CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK	197 G3SNN JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS XE2X

196 4Z4DX AA4HP IK4PLW JA3RAR K8PO KP2A ND0N RA9CMO RZ4FO W2FCR W4UM	RN1ON UA0CA W9MU WA2VYA	UA7T WA3C	JA2ZL JF1NZW K4HGX K5KLA KB4ET N9RC S57AC US8UA UT2UB W2YJ	ON5FP W1RM W7BEM W8TN	JA8KSF K8MN N5OK 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 LA0FA 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 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 JA0VSH JA1DUH JA1MCU K2TE K9KU KM1D N4XU N5GH SP2LNV 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 OK1DWC SM6DHU W2OR W5LT W7FI WB7B	173 5B4ALJ I1JQJ JG0CQK K1NTR K4XR
	189 9A2F AA1ON EA8PP FM5CD SM0NJO SP7HOV	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	
		184 HA5WA			

K9YC	JA1ADT	166	163	K3MSB	G3TQZ
KA1J	JE2LPC	4Z1UF	9A2JK	K3RA	JA1GHH
N5FG	JR1IZM	DJ4SO	DJ9HX	NR4M	JH7IAJ
PY5EW	K1LI	HB9FMN	JE2LUN	RU6L	LY5A
UN9L	N4XX	IV3TDM	JH4CPC	UA0FZ	N5MOA
W3IP	N7US	JA1FNA	K7NN	UX5UO	NE9Z
	UT8MM	JA9LJS	K8TL	W1BR	RU4UR
172	UY5AA	K1KA	OK2QA	W5XC	SM3PHM
EA7TV	W6RW	K3KY	UR4CWQ	W9RN	SV8ZS
G3NKC	W7YAQ	K4JLD	VE3CFK	WX0B	W2TA
IZ5MOQ	WB3JFS	K4PB	W7AL		W5GZ
JA3FGJ		K4WA		159	WS7L
JG3IWL	168	K4ZYU	162	JA4FKX	YV2IF
K0DEQ	G3MXJ	RM3DA	4O3A	JA9APS	
K1BD	I2ZGC	W0DJC	9A4W	JH6QFJ	156
K6FG	IK2EGL	W1RR	F3AT	JL1RUC	AB9V
KJ0M	JA6VQA	W8ILC	IZ4DPV	K4RO	FM5BH
VE6WQ	JE7JDL	WA8TXT	JA6GIJ	OK2ZV	IZ8IEV
W3JX	JF2UPM		JR5JAQ	UN7JX	JE3GRQ
W4FQT	K4XD	165	LB6KC	W3HKK	JO7HAM
WA9PIE	K5QY	DL7UCX	N8MR	W6BJH	K0QC
WC4X	K8RYU	F6HDH	RW3RN	W7SX	K8YSE
	KR4F	HB9TKS	W0HT	WD5BJT	KS1J
171	N4QQ	IK0AGU	W0TT		N3RC
AA9D	N8BJQ	JE7RJS	W1LW	158	N3UA
DL6KR	PA7F	JH7CFX	W8WEJ	AA6AA	N7WS
G0EHO	SP5GH	K5JZ		CT1FCX	OE5RLM
HA9PP	SV2AEL	KK4CB	161	DJ4PT	UA3SAQ
JA6HUG	W4SVO	N4HB	DK2GZ	DL1FKA	VA3LX
JR1TNE	W6VX	N9FN	DL6RAI	G4GIR	W1YIF
K1NU	W8OI	NY0V	HB9DHK	IT9DSZ	W4TV
KI5BLU	WA0MHJ	RC9F	JA1DOF	JH1TWT	
N0RN	WA5YNB	SM4CTT	JH4ALY	J11FXS	155
N4OGW		SP6EQZ	K1USA	J11NJC	DL1RK
N7RO	167	W5BN	K5GO	JR1GJP	DL4SZB
RA3DNC	DK5AD		K8ND	K1CA	HB0CC
SV1LK	EC3A	164	LB2TB	K5TT	K2LS
	EI6FR	GU4YOX	N4GN	K9GA	NE0DX
170	K6KO	HA7UW	OH6RA	OZ1HX	NW7E
DJ6TK	K8NK	HB9BZA	VK3HJ	RU6M	SM6VR
JA6JPS	K9MBQ	JA1RTX	YU2TW	SM4EMO	W2XI
JE3ENP	N0IJ	JA7ZP		W0SZ	WE1P
JF1WPB	N3BNA	JH2SON	160	W1OX	WS5W
JM1GYQ	OH2BLD	K1NJ	AD5Q	W2XL	ZS6EZ
K6ZZ	PA3C	N5WA	DK1WB	W3GQ	
N4PY	RA1AOB	RA3ZH	DL1DA	W4QN	154
SP3GTS	RN9N	RN3OG	IK0FUX		3V8SF
SV3KH	S51EC	W4DKS	IW2FND	157	GM3PPE
W9EVI	W1YW	W4NS*	JA2EPW	AA4H	HB9BUN
WA3AFS	WA4LOX	WP4G	JE2DZC	AC6DD	JA8NFV
	WB0TEV	WW3S	JE2OVG	DL4MM	JR3OEH
169	WC5N		JF2XGF	DL6MRS	K0KVR
IK0PEA			JR7MAZ	EA5BY	KR2Q

NX8Y	JA2VQF	SM6CUK	HI3T	K7CW	W4WT
SV1CNS	JA6BEE	UW7UA	IZ0RVI	N2RJ	W8GNM
W1NA	JH1NYM	W0GG	JE6TSP	N2WM	W8HW
W5DNT	JR1XIS	W7HPW	JH4HMG	N5UW	ZS1C
YS1RR	K2AX	WB8B	JJ3HGJ	N6PAT	
	K2FW	WD5K	JK1AJX	NN4R	140
153	N2ZN	YO3DDZ	K1OA	W0IZ	9A1CAL
AJ9C	N5JB		K3VAT	W6QUV	HB9RYZ
CU2AP	OK1ATP	148	K4OY	WB8CQV	JA4OK
DF2RG	RD3A	DK2CC	K8BL	WB8ZRV	K5WK
DL3ZA	RU3A	F5CQ	KF6HI	WD9DZV	K6KLY
G3TJW	S54A	F5LVL	KR0P		KF8DX
HL2CFY	SP7AWG	F5PAC	N1CGP	142	N4XP
IZ3ENH	SV9AHZ	G4FTC	N4GG	I5HOR	OH6NIO
JF1IRW	W7CT	JH1QDB	N6PSE	JA2ATE	ON7DR
JR9OPJ	W7RH	JL1UXH	RT0F	JH0BQX	UN1L
K7SP	WA1Z	N2WB	SM3DTR	JR7WFC	VE6SV
K8VFX	WA2BCK	N5XZ	W5ADD	K3PP	W0SEI
KD0PO		NE3F		K4WZ	W4NU
LZ1PM	150	W5FKX	144	K6EME	W7IV
N4TV	EA1AF	W9JJB	CU3EQ	KK1W	W8LWU
N5TW	IV3RAV		DL5CW	LA9VFA	WO2T
N8II	JA1SVP	147	DL5KUA	MM0SAJ	YL2MU
R9OK	JA2NQG	EA3GP	E70T	N7QT	YO9FNP
SM6CLU	K0RS	IV3VBM	EI6IZ	NA4D	
SP5CCC	K5TR	JA1XQC	GM3ITN	NQ7R	139
UT5UY	K7LV	JN1BMX	HB9BYQ	NY2NY	DF7EE
WB8BPU	K8AJS	K8UT	HS0ZEE	OK1DO	DJ4XA
	KU4XO	KM1H	I5MXX	W2OO	DL5EBE
152	LA6OP	N1IBM	IT9GSF	W5LUA	DL8OH
EW2A	N3QE	NA5C	IV3DXW	W5VQ	DS1JFY
JT1CO	N9CO	PC3T	IZ4GWE	WA5POK	HB9CQK
K9MK	OE8SPW	W1OP	JA3GN		JA1TMG
KQ4AV	ON6AA	W2KKZ	JE1FQV	141	K3ANS
KS3F	SQ5EBM		K0VSH	AC9S	K6AM
N9OY	UA6YW	146	KJ9C	DL5MHQ	K8GI
S55ZZ	W2/CT1GIF	EU4A	LA9GX	EW1BA	K8RF
UA6IGI	W6DAO	JA1HQG	N1IX	HB9FMT	KA8SYV
UN7LZ	WW2DX	JA4DHN	N3KK	JA1PTJ	KM3T
UT5AB		JA5XAE	SM4OLL	JA9RRH	KU0A
VE6LB	149	JH1GNU	SM5CLE	JH1HHC	LA8WG
W1SKU	DL7CX	K5KV	W4GE	JH4JNG	OK1MP*
W1VT	HB9HFN	K5SM	W7ZI	J11DCW	SM5CBM
W6RLL	I0JBL	K6NR	W8RLS	JR2LJO	SV8ZC
W7AJ	IK4FNF	K7WP	WC5M	K2RW	W0SD
WB3CQM	JL1ARF	N7BT	WD5T	N8OC	WA8WV
	K3TN	OH1JP	YO3CD	NJ3K	
151	K4YYL	RU0SN		OE6VIE	138
AA7G	K5VWW	W1IZL	143	SV3FUO	DK8MCT
DK2OY	K7HP	W1ZT	DL1DUO	W2CG	DK8YY
EI9JF	K8ME		DL6EN	W3BW	EI9FBB
F3SG	K8ROX	145	IT9BLB	W4JVN	F6DDR
HB9SLO	R8TX	AF4HX	K7CMZ	W4VIC	IK8EPC

JA3OOK	IU0HDC	IK5DNF	JJ1TEA	JA1NWD	JH3AIU
JF3LOP	IZ7EVZ	IZ8DFO	JM1FHL	JA8JO	JS2LHI
JH7RXU	JA2KVD	JA6CBG	K1UU	K6XM	K0RW
K1RO	JA7LMZ	JA7GLB	K5VIP	K8DV	K3TRM
K2RET	JA8BNP	JA9AGN	K6SIK	LB7ZG	N1AC
KJ6P	JA8JL	JR6FC	K9DR	N0YY	N1GC
LB5WB	K1ZE	JR7FRW	KC2LSD	N2BJ	N9RD
OZ8X	K4TT	K2CDJ	KH2L	N3KS	OE8HIK
RW4CY	K4ZRJ	KS4YT	KM3V	N3RR	PA3EWP
UN7JID	K7FL	KU2A	KM4H	W0YVA	SK7AX
V51B	K7XB	OE1KM	N3MK	W7QHE	SP6A
W1GD	NZ9R	ON4CAS	N4QWZ	W8MET	SP7ASZ
W2YE	R7LP	RA5BM	N5PHT		W0CP
W4YV	RN3RQ	RV4LC	N6RK	128	W0RT
W7OM	SM3LGO	UQ2PZ	ON4ON	AA4SC	W1OPD
	SM5CZK	VE3WT	PY5EG	DM2RM	W3BG
137	SP3XR	W0NFL	R0SR	IK2SGB	W3FOX
EA1YO	SV5DKL	W2QO	R9MJ	IT9ZZO	W3MF
GM3YOR	W1DIG	W5AJ	R9SA	JA1XCZ	W8LMG
IZ2FOS	W1EQ		W8DCH	JA2AHH	XE1KK
JA3APU	W2GD	132	ZS1A	JA2KSP	
K2QMF	W4BUW	AA4NC		JA5FDJ	126
K8NS	W4MBD	AB9M	130	JA9AA	AC9EM
RA3CO	W4RFZ	AD6W	DF9ZW	JE1LFX	DJ8WD
RG7G	W6DR	IK3VBB	E73M	JH4GJR	F8BPN
UU1JA	W6JTI	IT9RDG	EI2JD	K0FF	G4IUF
W1ITU	WE4S	K6YUI	G7VJR	K3XA	JA7KY
W5ODD		K9ZM	HK0HEU	K4JAF	JH3CUL
WB5JID	134	N6HY	IK3XJP	K4SE	JJ1DWT
	CT3HF	OZ2RH	JA2FBC	K6LPO	JN1RQV
136	HA1RB	SM4BZH	JG1DUZ	KG7CW	K2ZD
E72U	IK4DCS	SM6BGG	JI4POR	KM4NS	K4JKB
ER0FEO	JA7LGE	SP6M	K2MYR	N5KM	K4XU
HB9IQB	K1TO	VE3CRG	K3NK	OZ1IKY	N8NA
IK8CNT	K1ZN	W4AXL	K7LFY	R9SG	OE3SGU
K0TV	K3OX	W4RBO	K8BCK	S53X	OK3CQD
K4ZO	KX4TT	W4WM	K9GL	S55DX	PA5TT
K7TM	N9MR*	W5SL	KO8SCA	SM3GQP	VE3CX
KR6C	N9RS	W7AH	NA4EA	SV3DCX	VE7BV
NA5DX	OE1TKW	W7CD	NO9E	US8UW	W8MK
OK1DW	OH1ZK	W9FR	OZ2ABI	VQ9LA	W8REW
SM5OJH	PY5HOT	WB3D	R3VA	W2WC	W9ILY
SP2BMX	RG6G	XE2S	R5QA	W4IS	WB0O
UT3UZ	RX4HW		R9AB	W6RKC	WB2REM
UW8SM	SM0BYD	131	RU1AO	ZS6UT	WD4LBR
W2OIB	SP6JIU	DK7YY	S51NM		YU1EXY
WB7QXU	UA0ACG	DL9FCY	TA1CM	127	
	W4JKC	G3UHU	VE3DO	CT3KN	125
135	YU1AM	HS1NGR	W2MPK	HK1MW	9A1AD
5B4MF		IV3KFB	W9ZT	JA1DDH	AG1A
DJ9ZB	133	JA0AOO		JA1WLO	GW3TMP
F6FXU	9K2NO	JA2TBS	129	JA8RJE	HK4SAN
IK8GYS	EU1U	JH4ADK	HB9AZZ	JA9KRO	JA4IYL

JA6VU	JK1EXO	121	N4UFP	XE1RCS	K9FN
JE1TSD	JR1EBE	AA6RR	N8PW		N2JJ
JE6UWU	K2PK	AA8CH	OE3EVA	118	N4IR
JF2WXS	K3FRK	DF1DB	OZ2A	5T5PA	N8AA
JH1AGU	K3XO	DK1EI	PZ5RA	AB2E	N8XI
K1HAP	K4ZIN	DK6CQ	RL3BZ	DL5OCE	NY4G
K5KG	K5GH	EI2GLB	SP7ITB	JA4FHE	ON5UE
KA6BIM	K5JC	HB9DHG	SV1IW	J18DGO	OZ5HP
KI4WCQ	K7UT	IT9AAI	UR5IKN	JN7DOS	SM7BIC
LZ1XL	K9CS	JA2HYD	US0YA	K3WGR	SP8HKT
N2KA	KV4T	KD8RQE	W0RX	K4CNW	UA6J
N3EN	N2ED	KG9Z	W2YR	K5XM	UB3A
N4JT	N4DWK	N0OK	W3OA	K7PI	UR9IDX
ND5S	N6MZ	N1JP	W4PRO	K8LN	US1CT
NW6S	N9JV	N3ND	W6RFL	K8WVA	W4ZRZ
OE1AZS	N9LQ	N4TL	W7RN	K9GWH	W6SL
RA0BA	NA2P	N6HC	WP3R	KD2T	W8ZR
UU7JM	NA9RB	SV1AHX	ZL4AS	KD6UO	WA2USA
VE3UTT	S50B	SV1FKZ		KG8CW	
W5DAW	UA3DK	UQ1GWW	119	KV4AA	116
W9CG*	UR9QQ	UT4EO	AA3AZ	LZ2HM	AJ4F
WV4TN	UT3QU	UU2JQ	AA4DD	N2MM	DL7URH
YO2RR	W1AO	VA3AYA	AE3T	N4DJ	EA5BRE
	W4NF	W0QQ	AJ4A	N6MB	HA7PF
124	W8NJR	W2GG	DK3GG	PY2PA	IK0EIE
AA7XT	WT4Q	W3RJW	DL9OBY	RN3TT	IK2OHG
AB1OC	XE1H	W6XI	EW4M	SV9COL	IT9TQH
J11DHY		W9XX	G4DJJ	TA2RC	IV3HYD
KD4POJ	122	W9YE	HB9AAQ	W1KSZ	JA1WTI
NA2U	BA4RF	WA1PMA	HB9BCI	W4DAO	JE2EHP
PA0TCA	G3NDC	WY1G	I2TZK	W4NJ	JH3GCN
UA0BA	IU0LFQ	XE1VIC	I4MKN	W5JMW	K1DC
VA7CRZ	JA1MRM		JA3AZD	W9FI	K1RI
VE1DUN	K1BZ	120	JA4XGC	WX3P	KT1V
W2JU	K1ESE	9A5F	JE2JMV	YO4AUL	KV1J
W2RIJ	K1YT	AA5JF	JH6CDI		NA9Q
W3FM	K2MP	AL7TC	K3NF	117	OZ1LCG
W6CYX	K7ZA	DL2VWR	K5UZ	9Y4VU	PA0JSE
WB8K	LA7WCA	FG5FR	K7EG	AE0P	RV3ID
	LA8PT	HB9BLQ	K8KWT	BH4IGO	TZ4AM
123	N3NR	IZ0LKV	K9SG	DL1DWT	UA4PCM
AC4TO	N9AW	IZ5NFD	N0KV	G3PLP	W1ENE
DL7JRD	NN7X	JA4EPE	N9UA	IT9DAA	W1WEF
F4GTB	OZ3Y	JR3UIC	NT2A	JA1HQT	W7GG
G4WFQ	RD4A	JR6LLN	NY7T	JA4FM	W7OEV
G5LP	SP9WZS	K2BA	OH5NG	JA7GYP	W8LRO
HB0WR	UU4JMG	K2HK	OK1DT	JA7IC	WQ5L
IK2CHZ	VE6AX	K3QIA	R6FFB	JM3GXU	
JA0CRG	VK4CAG	K6FW	SV1ACK	JR2UBS	115
JA1SJV	W2TB	KA8ZPE	VE3YF	K2BB	C6AGU
JA3MHA	WA3I	N4BAF	W4HZ	K6PJ	CU2CE
JA6WJL	WA7BNG	N4LR	W8FIB	K8OOK	DL9GOA
J14WAO		N4TB	WC2K	K8QM	G4XEE

G8BCG	K3OSX	UN7TW	W2CVW	W8MIL	WL7E
G8DX	K5CD	VE3KI	W2SKI	W9RB	XE1FAS
HA5UK	K5RJ	W2GW	W3UL	WA2BOT	YU7AU
HK3PJ	KB8U	W6BK	W4VHF	WA2MUA	ZL3NW
IW0HEX	KZ4V	W8FAX	W5VX	WB4TDH	
IZ7JVR	N1QY	W9DX	W6TC	WB9EEE	109
JA2KNW	N3MN	W9VNE	W8GEX	YL3DQ	DF1KG
JA3NHL	N4IQ	WA4DOU	W8HMK	YO6HOY	EA3GHZ
JG3LGD	NU8Z	WB2HJV	W9SE		EU4T
JH1RFM	UA3FT	WB2UFF	WA8OLN	110	F8EZE
K0GD	W0VX	WS4C	WT9U	BA4MY	G3SVD
K0SD	W3MR	XE1RBV	ZP6CW	DL1VDL	IW0HQE
K4CMS	W4TUN	ZL1BYZ		EA5BYP	JA2CXF
K4GHS	W9HBH		111	F5BAR	K2ONP
K4GK	WA1FCN	112	9K2OD	G3LNS	K4RDU
K8YTO	WA4CEM	A92IO	AA4U	G8AJM	K5FZ
KZ5DX	WA8MCD	DJ1RL	AF4OX	HC1BI	K5KA
LY4T	WA9YYY	DK5RL	CU3AN	HI8R	K5KPE
N0IRM	WN9O	DL5CL	DG7RO	I2BBJ	K6MW
N4OA	XE3ARV	EA1JO	DK2WH	IK5RUN	KE1F
N5BO		EI8IU	DK6ED	IK8UHA	N1BZ
N8KOL	113	EW1DO	DL1HRN	IZ0CKJ	N2WLG
OH8LXT	9A1A	G3XGC	EV1R	J68HZ	N7TY
PA3AXU	DJ5DT	HB9CEX	F6ECI	JA7EPO	N8NN
RZ6MJ	DJ9RR	HB9CRV	G4DBN	JE2UFF	ND4V
UA1ANA	DL8CM	HB9G	HL3GOB	JH1VHU	NN4RR
UA1CGS	DL8DYL	IK2ANI	JA1AUD	K2BLA	NU4I
UA6XT	G4AFJ	IU8FRE	JA1FGB	K3JRR	NX7U
UN6T	HB9EFK	IZ4DIW	JA1NCZ	K3PH	PY5CC
W4UCK	JA0GCI	JA1SXR	JE8TGI	K4WW	RW4UU
W5VY	JA4ITW	JA4BXL	K0FLY	K6MI	RW9QA
YL2CZ	JH1ORA	JA7BXS	K5WAF	K6VKO	RX3AGD
	K0TPP	JF2WGN	K7ORK	KB4MRX	TG9NX
114	K8SL	JR7TEQ	K9AJ	KC2STA	UB5ZAL
AB4GE	KA4RRU	K0JPL	KM1R	N2CG	UT7KF
BA4DW	KH6DX	K1EDG	KP4AA	N3HBX	VU2CPL
BA7IO	KI0G	K1EO	KZ0X	N3IQ	W5WP
CT3FN	KT1J	K1KO	LA0CX	N3JB	WB5TUF
CU3AK	N6PE	K4UAS	N4WJ	N4KE	WN0L
DL6NB	N7KO	K8CC	N7BD	NC6K	YV3AGT
F6CWA	N9ISN	KB2FCV	N9HF	NK7C	
G3SDL	NA3F	KI4DLS	NA1DX	NY4I	108
HP3TA	NG0G	KM1C	UR6QA	RD9M	AI2Q
I5OYY	NI5F	LA8HGA	VE6KC	SM5BHW	AL7R
IK7YZG	NK5B	N5ZC	VE7CT	SV1VS	DL6CNG
JA1OVD	NZ3M	N6MA	VE7UF	UA3O	ER1LW
JA4KDT	R7NA	RU4SU	W0VHF	US7MM	G3VAO
JA5WIZ	RA4UN	SM3DMP	W1FO	W0UY	HB9BAT
JH6WMJ	RZ3AUL	UA1ACG	W4HOG	W3XY	HB9FAN
K1RV	SM5ARL	UA1CEI	W4OX	W4DC	IK0PRG
K2DC	SP3EPG	UT6UD	W5AQ	W4NE	IZ0BTB
K2HAT	SV1JFV	VE7XF	W7VS	W5ZPA	IZ2EWR
K3MD	SV2AVP	W1HEO	W8KA	W6KK	JA2MOG

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

DL8YRM	VA2ZO	LA6UL	DM3ML	OK2BOB	AI2S
DM5TI	VA3IC	N5RZ	EA1WX	OK3EY	DJ6OI
DS3HWS	VE3EDY	OH2EA	EU1TT	OK4MM	DK8MM
EA7SG	VE3MFA	OK1DTN	G3ZFC	ON4LG	DL1TPY
EU6MM	VE3VV	OK1JDX	G4FJK	PA4WM	DL1TRK
EW3LB	W0QC	OK3CSQ	GM3WTA	RA3AH	DL9GTB
G3BDQ	W0UVC	PA7TWO	HB9NL	RA4P	DU7ET
G3OIL	W1CTN	PV8ABC	IV3GOW	RA4SD	EA2AAZ
G4AAW	W4AVY	PY2DO	IV3KCB	RB7GG	EA3ALD
G4PUQ	W4MZ	R2AB	JA1VVX	RK9F	EA8AXT
G4VGO	W5THT	R3IS	JA2VMU	RY6M	EC5A
I0OSI	W5VU	RU3UN	JA6TMU	SM2DMU	EI3ISB
JA1JAT	W6SZN	S59DJK	JA7SFD	SM7NDX	ES5NC
JA2GQO	YO7APA	SM6WET	JF1RPZ	SP7JLH	FM5GU
JA2OLJ		SP5MXZ	JH3HGH	SV1PL	G0VXE
JA3FHL	102	T77V	JH3PRR	UA0FDX	G4CGG
JA8EJO	A6/RV6LNA	UA1AIR	JH7BKN	UG6GAW	GM3ZSP
JE1SYN	CT4BD	UA1CKC	JI3KDH	UR7CQ	I2VGW
JH1DGQ	DK3QM	UA6HOF	K0LW	UT1CC	IK0HFO
JM2RUV	DL3DXX	UA9MR	K1YR	UT4IS	IK4MSV
K0EOO	DL3NCR	UA9UCO	K2BX	UT7HA	IK5ZUK
K2UVV	DL4CW	UW7CN	K2TER	VE2OJ	IS0/YO3RA
K4LQ	DL4KUG	VE2FYR	K3SEW	VE3XB	IT9CVO
K5JUC	DL5RDI	W0JMP	K4NNX	VK2GR	IW0BYL
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K8CCV	EA8AKN	W1PV	K6AAW	W1GF	JA1CPU
K9MUG	EI4DQ	W2LW	K6XJ	W2SF	JA1ILA
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KE1IU	ES5RW	W3EKT	K7IA	W4BUE	JA5DQH
KJ4R	F6BWO	W4ALF	K8BN	W4PM	JA9CGW
KJ7WY	FM5WD	W5TO	K9JU	W5RF	JE1PHH
KM9E	HB9AHL	W7IUV	K9PG	W7AV	JF3DRI
LX1DA	I8LWL	WA0IDK	KC4PX	W7CB	JS6TWW
N0RU	IT9SFT	WA1S	KD3UY	W8GB	K0LB
N1HOQ	IZ4MJP	WD8DSB	KE1VT	W9MAF	K0XM
N9BBQ	JA0HXV	WS4Y	KE4S	W9ZCL	K1NA
NU1T	JA8OW	WW5G	KF7NN	WA3EKL	K1NZ
OH3GD	K0YN	YO2CMI	KN6J	WB3HLH	K2CBI
OK1DQT	K1PTF	YO2IS	KQ1F	WC4H	K2CYE
OK2BQU	K2LP		KS4XQ	WK9U	K3TZV
OK3BRK	K2TK	101	LA2GV	WR2G	K4FT
OZ7JZ	K3KG	AA2VG	LZ1XZ	WV9L	K4KSY
R9GM	K4AQQ	AA3LX	N0STL	YO2OXD	K4QS
RA0FA	K4KAY	AA4NU	N2AJ	YO6BHN	K4UQC
RA4HT	K5ZO	AC2AC	N5AQ	YV4DYJ	K7VIC
RK3QY	K7BHM	AC5O	N8AG		K8BZ
RU3OW	K7UA	CT1JGA	N9JCS	100	K8CR
SM3CBR	K8BHZ	D44BC	NE1F	9M6YBG	K8CS
SM6EHY	KJ6NZ	DH2FW	NX2X	A41ZZ	K8LE
SM7BHH	KN4KL	DK9WI	OA4TT	AA4AK	K9NZ
UA3PFN	KW4BY	DL1KS	OE3WQB	AA4UC	KA9UVY
US2WU	KY6R	DL3ANK	OH3TY	AB4VV	KB0EL
UT2AB	LA3ANA	DL5JS	OK1PGF	AC4VM	KC0V

KC4D	TI5CDA
KC5LT	UA3AKI
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	
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S59SV	
SM0CXU	
SV1VJ	
SV2DSJ	