

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

297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS	289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	OK1AWZ VE2TZT	268 DL5DSM G3WPH K8PT RA3XDX SP9JZU W1MK
296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ	288 PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	281 DF2PY HB9BIN JA2PJC K1CP S59Z W4TO	275 9A1CCY F5NBU I2AOX IK4CIE K2UO K4IQJ OH3BU SP6AEG UW2ZM	267 LU8DPM RZ3DX
295 K3UA SV8CS	287 CT1APE DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	280 EA6NB SP6HEQ YO3APJ	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK NR1R R3LA W8TE W8XD
294 DL1AMQ JH2FXK LA5HE RJ3AA WD5COV	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA4V AA6YQ AA7A K4XP RW0LT SV8BHN YO5BRZ
293 N0TB S58T	285 G4CCZ HB9BGV UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU CT1EKY DL1DUL DL2OE OH1LEU SP6CIK	264 EI7BA IK2YCW K7ZV W1GL
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP
291 9A7V IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW	270 AA1V JA5AUC OE5KE	262 G0DQS IK5HHA KR9U W1YY
290 UA3AKO			269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S

SP5DIR	S58Q UA1OMS W0YG	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ	240 EA6ET G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	N6DX OK1CF R7DX VE3XN WA7NS
260 EA5BM K1LT K4DY	252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 JR3GWZ K0KT K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK	234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR PY1BVY S51DI
259 DF4PL F6GCP G3ZSS I1FQH R9FM	251 DJ7RD DL9RT I1EIS JH0BBE K9NW N4II PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 DL8WN IK0XEZ JA0DAI RA0FF VO1HP W3LL	233 K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO WA7NB
258 KW9A N2NL N5KD RN3CT VE3QAA	250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G	237 DL7MAE NI0G OM4EX UR5EDX	232 DJ5FI EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP
257 K1GUN N8TR W9YSX	249 AB3CV AI9L JR3IIR K9RX SP5DRH	242 EA4KD KG7H SV8CKM	236 AB4I AC4G K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF	248 K3WW K5RX SM3VAC SV8GFW T77C UT9FJ W9NGA	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ
255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN YO9HP			
254 N0AT OM3DX WA4FFW				
253 5B4AGN AA1QD K5ESW				

229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	VA5DX W7KW	JA2FBY JA2FJP JF3KON KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	K4NA OK1DX RN7G W4NL	DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO
228 AF9H AI0O E72A K4HB N2WK OH2BEN UW5ZM VE3DZ	224 DL5WW IZ1LBG MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ	218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA LA7JO NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX	217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	207 IZ8FWN K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS
226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N8PR N9BX SM0CCM	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	211 EA1RT IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW
225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR	221 JA2WYN K4MWB K8SIX N6VR W1ZK W6JRY WS6X	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA
	220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	214 DL7BA HL3IUA IZ8VYU JA2JW	209 DL5CF	
	219 IK3VUU			

W8UN WB8ZRL	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP N4QS W0MHK W5TCX	UA0SC UT5EL W0FS	N9EN PA0LOU RN1ON UA0CA W9MU WA2VYA	AB4IQ CT1FMX JA1KQX KB0EO KB1EFS KE9ET KL0S N8LJ RM0F W6SR W8JV WA3C WA6YEE
204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W2IRT W3GG	196 4Z4DX AA4HP IK4PLW JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO RZ4FO W2FCR W4UM	192 9A2NA CT1IUA JA7JWF JH1RFR K3FN K4FJ K5XX K7GM K9EU KF7PG N4DB OH2IS W3UA W3YQ W8LGJ	187 AJ1H K0SR K6SRZ KN5O LA0FA N2NS OK1CZ SM0NJO W7AWA
203 JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA	195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K3PA K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	191 JA1ANR K0JGH K8FC K9LA NE1B RK2FWA	186 9A8A IK2QPR JA8DNV K0BJ K7LAY W1YM YL2TW
202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV K9YY LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR RX3APM W8HB	194 K4KDX K9JF KB9LIE KC9ARR LA7AFA SM7GIB W2LO W4FC WD8JJA WN6W	190 IZ8XQC JA1DUH JA1MCU K0BBC K2TE K9KU KM1D N4XU N5GH SP2LNW VE7VV WE9R XE2X	185 AB6QM CT1EAV EA6BF G3KWK IK3SWB JA2LCP K5ZD LA3WAA N4TJ N5UR OE2BZL SP3FAR SV1DPI UA9CBO
	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA	193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC K4ODL N5LZ	189 9A2F EA8PP FM5CD JA0VSH SP7HOV UA7T	184 HA5WA JA2ZL JF1NZW K4HGX K5KLA KB4ET
			188 AA1ON	

S57AC	OK1MG	PE1L	171	N4QQ
US8UA	S57UN	SP1MGM	AA9D	N8BJQ
W2YJ	SM4DDE	TF3SG	DL6KR	PA7F
183	SV3FUP	VE3FF	G0EHO	SP5GH
CT3MD	W8KEN	W8HC	HA9PP	W4SVO
IT9INO	178	WX0V	JA6HUG	W6VX
K4CN	4Z5CX	174	JR1TNE	W8OI
K8VC	EA3CJ	4Z5MU	K1NU	WA0MHJ
N9MB	JA4MRL	JA0GJJ	LA5LJA	WA5YNB
NN2L	K2UR	JA1PPW	N0RN	
ON6SAS	NE0U	JA2XW	N4OGW	167
W2FP	SM7DLK	JA7MOL	N7RO	DK5AD
W8NW	SV1JG	JF7DZA	N9RC	EC3A
182	W6NWS	JK1OPL	RA3DNC	EI6FR
DJ9ON	W7MEM	JR6PGB	SV1LK	JA6VQA
DK3UA	ZS1LS	K0TT	UN9L	K6KO
HK3W	177	K1KI	WA9PIE	K8NK
JA1SHE	9H1SP	K2KA	170	K9MBQ
JA3ENN	AE5E	K3AJ	DJ6TK	N0IJ
K8RRT	CT1GFK	K4TR	JA6JPS	N3BNA
N3OC	IK4ADE	K4WS	JE3ENP	PA3C
UR3EO	K3WC	N1EN	JF1WPB	RA1AOB
181	K4RG	OE1WHC	JM1GYQ	RN9N
DK3WW	K9NU	RN7F	K6ZZ	S51EC
JN4MMO	SM6DHU	UA3LNM	KI5BLU	VE6WQ
K2EP	W2OR	W8UV	N4PY	W1YW
LZ2ZG	W5LT	W8VVG	SP3GTS	WA4LOX
VE3OSZ	W7FI	WT8C	SV3KH	WC5N
W9AJ	WB7B	173	W3IP	166
180	176	5B4ALJ	W9EVI	4Z1UF
DM2DXA	EU1AB	I1JQJ	WA3AFS	DJ4SO
DM3VL	I6FLD	JA9TWN	WP4U	HB9FMN
EA8JF	JA0DET	K1NTR	169	IV3TDM
JA2BDR	JA5IU	K4XR	IK0PEA	JA1FNA
JE2URF	JA6BJV	K9YC	JA1ADT	JA9LJS
K6SSS	JA8KSF	KA1J	JE2LPC	K1KA
K7BG	JL1SAM	N5FG	JR1IZM	K3KY
LA9AJA	K8MN	PY5EW	K1LI	K4JLD
N1RR	N5OK	172	N4XX	K4PB
N4AH	OK1DWC	EA7TV	N7US	K4WA
ON5FP	RL3FA	G0BLB	UT8MM	K4ZYU
UT2UB	SM5FUG	G3NKC	UY5AA	OH2BLD
W1RM	W4BP	IZ5MOQ	W6RW	RM3DA
W7BEM	W4GD	JA3FGJ	W7YAQ	W0DJC
W8TN	YO7NE	JG0CQK	WB3JFS	W1RR
179	175	JG3IWL	168	W8ILC
CT1FPQ	JA1CHN	K0DEQ	G3MXJ	WA8TXT
IT9ELD	JA9NLE	K1BD	IK2EGL	165
IW0SAF	JS3CTQ	K6FG	JE7JDL	DL7UCX
JR7BDQ	K4DLI	KJ0M	JF2UPM	F6HDH
K8WK	K5GKC	W3JX	K4XD	I2ZGC
N2PK	N7IR	W4FQT	K5QY	IK0AGU
	N7XR	WC4X	K8RYU	JE7RJS
			KR4F	JH7CFX
				K5JZ

KK4CB N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN	JH4ALY JH4CPC K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW	W1OX W2XL W3GQ W4QN	HB9BUN JA8NFV JR3OEH K0KVR NX8Y W1NA W2XI W5DNT WB0TEV WS7L YS1RR	IZ3ENH JA2VQF JA6BEE JH1NYM JR1XIS K2AX K2FW N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7CT W7RH WA1Z WA2BCK WP4G
164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG SV2AEL W4DKS W4NS*	160 AD5Q DK1WB DL1DA IK0FUX IW2FND JA2EPW JE2OVG JF2XGF JR7MAZ K3MSB NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B	157 AA4H AC6DD DL6MRS EA5BY G3TQZ G4GIR JA1GHH JE2DZC JH2QMT JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ YV2IF	153 AA6AA AJ9C DL3ZA G3TJW HL2CFY JF1IRW JR9OPJ K7SP K8VFX KR2Q N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU	150 EA1AF IV3RAV JA2NQG K0RS K5TR K7LV K8AJS KD0PO KU4XO N3QE N9CO OE8SPW SQ5EBM SV1CNS UA6YW W6DAO WW2DX
163 9A2JK DJ9HX JE2LUN K7NN K8TL OK2QA UR4CWQ VE3CFK W7AL WW3S	159 JA4FKX JH6QFJ K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT	156 AB9V DL4MM IZ8IEV JO7HAM K0QC K8YSE KS1J N3RC N3UA N7WS OE5RLM UA3SAQ VA3LX W1YIF W4TV	152 EW2A HB0CC JT1CO KQ4AV KS3F N9OY S55ZZ UA6IGI UN7LZ UT5AB VE6LB W1SKU W1VT W6RLL W7AJ WB3CQM	149 DL7CX HB9HFN IK4FNF JA1SVP JL1ARF K3RA K3TN K4YYL K8ME K8ROX K9MK R8TX SM6CUK UW7UA W0GG W2/CT1GIF W7HPW
162 4O3A 9A4W F3AT HB9TKS IZ4DPV JA6GIJ JR5JAQ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ	158 DJ4PT DL1FKA IT9DSZ JA9APS JH1TWT JI1FXS JI1NJC JR1GJP K5TT K9GA OZ1HX RU6M SM4EMO W0SZ	155 DL1RK DL4SZB JE3GRQ K2LS NE0DX NW7E SM6VR WE1P ZS6EZ	151 AA7G CU2AP DK2OY EI9JF F3SG HB9SLO	
161 DK2GZ DL6RAI HB9DHK JA1DOF		154 3V8SF GM3PPE		

WB8B
WD5K
WS5W
YO3DDZ

148
CT1FCX
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143
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142
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141
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JA2ATE
JA9RRH
JH1HHC
JL1UXH
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SV3FUO
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K6KLY
KF8DX
N4XP
OH6NIO
ON7DR
UN1L
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W0SEI

W4NU
W7IV
W8GNM
W8LWU
WO2T
YL2MU
YO9FNP

139
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JA1TMG
JI1DCW
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137
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NZ9R
R7LP
RN3RQ
SM3LGO
SM5CZK
SP3XR
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W1EQ
W2GD
W4BUW

W4MBD	ON4CAS	KO8SCA	W2WC	WB0O
W4RFZ	OZ2RH	NA4EA	W4IS	WB2REM
W6JTI	SM4BZH	NO9E	W6RKC	WD4LBR
WE4S	SM6BGG	OZ2ABI	ZS1A	YU1EXY
134	SP6M	PY5EG	ZS6UT	125
CT3HF	VE3CRG	R3VA		9A1AD
IK4DCS	W4AXL	R5QA	127	AG1A
JA7LGE	W4RBO	R9AB	CT3KN	GW3TMP
K1TO	W4WM	RU1AO	HK1MW	HK4SAN
K1ZN	W5SL	S51NM	JA1DDH	IK5DNF
K3OX	W6DR	SP6JIU	JA1WLO	JA4IYL
KX4TT	W7AH	TA1CM	JA8RJE	JA6VU
N9MR*	W7CD	VE3DO	JA9KRO	JE1TSD
N9RS	W9FR	W2MPK	JH3AIU	JE6UWU
NA5DX	WB3D	W9ZT	JS2LHI	JF2WXS
OE1TKW	XE2S	129	K0RW	JL1RUC
PY5HOT	131	HA1RB	K3TRM	K1HAP
RG6G	DK7YY	HB9AZZ	KM3T	K5KG
RX4HW	G3UHU	JA1NWD	N1AC	K8DV
SM0BYD	HS1NGR	JA8JO	N1GC	KA6BIM
SV5DKL	IV3KFB	J14POR	OE8HIK	KI4WCQ
UA0ACG	JA0AOO	K4TT	SK7AX	LZ1XL
W4JKC	JA2TBS	K6XM	SP6A	N2KA
YU1AM	JH4ADK	N0YY	SP7ASZ	N3EN
	JJ1TEA	N3KS	W0CP	N4JT
133	JM1FHL	N3RR	W0RT	N9RD
9K2NO	K1UU	W0YVA	W1OPD	ND5S
EU1U	K5VIP	W7QHE	W3BG	NW6S
HB9CQK	KC2LSD	W8MET	W3FOX	OE1AZS
IZ8DFO	KH2L	128	W3MF	RA0BA
JA7GLB	KM3V	AA4SC	XE1KK	UU7JM
JA9AGN	KM4H	DM2RM	126	VE3UTT
JR6FC	N3MK	IT9ZZO	DJ8WD	W5DAW
JR7FRW	N4QWZ	JA2AHH	DL9FCY	W8LMG
K2CDJ	N5PHT	JA2KSP	F8BPN	W9CG*
KS4YT	N6RK	JA9AA	G4IUF	WV4TN
KU2A	ON4ON	JE1LFX	IZ7EVZ	YO2RR
OE1KM	R0SR	JH4GJR	JA1XCZ	124
RA5BM	R9MJ	K0FF	JA7KY	AA7XT
RV4LC	R9SA	K3XA	JH3CUL	IK3VBB
UQ2PZ	W8DCH	K4JAF	JJ1DWT	J11DHY
VE3WT	130	K4SE	JN1RQV	KD4POJ
W0NFL	DF9ZW	K6LPO	K2ZD	NA2U
W2QO	E73M	KG7CW	K4JKB	PA0TCA
W5AJ	EI2JD	KM4NS	K4XU	UA0BA
132	G7VJR	N5KM	LB7ZG	VA7CRZ
AA4NC	HK0HEU	OH1ZK	N8NA	VE1DUN
AB9M	JA2FBC	OZ1IKY	OE3SGU	W2JU
AD6W	JG1DUZ	R9SG	OK3CQD	W2RIJ
IT9RDG	K2MYR	S53X	PA3EWP	W3FM
JA2KVD	K3NK	S55DX	PA5TT	W6CYX
JA6CBG	K6SIK	SM3GQP	VE3CX	123
K6YUI	K7LFY	SV3DCX	VE7BV	AB1OC
K9ZM	K8BCK	US8UW	W8MK	AC4TO
N6HY	K9GL	VQ9LA	W8REW	
			W9ILY	

DL7JRD	WA3I	N8PW	JA4FHE	UB3A
F4GTB	WA7BNG	OE3EVA	JI8DGO	UR9IDX
G4WFAQ		OZ2A	K3FRK	US1CT
G5LP	121	PZ5RA	K3WGR	VE3YF
HB0WR	AA6RR	RL3BZ	K4CNW	W4ZRZ
IK2CHZ	DF1DB	SP7ITB	K7PI	W6SL
IK3XJP	DK1EI	SV1IW	K8LN	W8ZR
JA0CRG	DK6CQ	UR5IKN	K8WVA	WA2USA
JA1SJV	HB9DHG	US0YA	K9DR	
JA3MHA	IK2SGB	W2YR	KD2T	116
JA6WJL	JA2HYD	W3OA	KD6UO	AA8CH
JK1EXO	JI4WAO	W4PRO	KG8CW	AJ4F
JR1EBE	KD8RQE	W6RFL	KV4AA	DL7URH
K2PK	KG9Z	W7RN	LZ2HM	EA5BRE
K3XO	N0OK	WT4Q	N2MM	HA7PF
K4ZIN	N1JP	ZL4AS	N4DJ	IK0EIE
K5GH	N3ND		PY2PA	IK2OHG
K7UT	N6HC	119	RN3TT	IT9TQH
K9CS	SV1AHX	AA3AZ	SV9COL	IV3HYD
KV4T	UQ1GWW	AA4DD	TA2RC	JA1WTI
N2ED	UT4EO	AE3T	VK4CAG	K1DC
N4DWK	UU2JQ	AJ4A	W1KSZ	K1RI
N6MZ	VA3AYA	DK3GG	W4DAO	K9FN
N9JV	W0QQ	EW4M	W4NJ	KT1V
N9LQ	W2GG	G4DJJ	W5JMW	KV1J
NA2P	W3RJW	HB9AAQ	W9FI	NA9Q
NA9RB	W6XI	HB9BCI	WX3P	OZ1LCG
S50B	W9XX	I2TZK	YO4AUL	PA0JSE
UA3DK	W9YE	I4MKN		RV3ID
UR9QQ	WA1PMA	IU0LFQ	117	TZ4AM
UT3QU	WY1G	JA3AZD	9Y4VU	UA4PCM
W1AO	XE1VIC	JA4XGC	AE0P	W1ENE
W4NF		JE2JMV	BH4IGO	W1WEF
W8NJR	120	JH6CDI	DL1DWT	W7GG
WB8K	9A5F	K5UZ	G3PLP	W7OEV
XE1H	AC9EM	K7EG	IT9AAI	W8LRO
	AL7TC	K8KWT	IT9DAA	WQ5L
122	DL2VWR	K9SG	JA1HQT	
BA4RF	EI2GLB	N0KV	JA4FM	115
G3NDC	FG5FR	N9UA	JA7GYP	AA5JF
JA1MRM	HB9BLQ	NT2A	JA7IC	C6AGU
JH1AGU	IZ0LKV	NY7T	JM3GXU	CU2CE
K1ESE	IZ5NFD	OH5NG	JR2UBS	DL9GOA
K1YT	JA4EPE	OK1DT	K1BZ	G4XEE
K2MP	JR3UIC	R6FFB	K2BB	G8BCG
K7ZA	JR6LLN	SV1ACK	K6PJ	G8DX
KR0P	K2BA	W0RX	K8OOK	HA5UK
LA7WCA	K2HK	W4HZ	K8QM	HK3PJ
LA8PT	K3QIA	W8FIB	N2BJ	IZ7JVR
N3NR	K5JC	WC2K	N4IR	JA2KNW
N9AW	K6FW	WP3R	N6MB	JA3NHL
NN7X	KA8ZPE	XE1RCS	N8AA	JA5FDJ
OZ3Y	N4BAF		N8XI	JG3LGD
RD4A	N4LR	118	NY4G	JH1RFM
UU4JMG	N4TB	5T5PA	SM7BIC	K0GD
VE6AX	N4TL	AB2E	SP8HKT	K0SD
W2TB	N4UFP	DL5OCE	UA6J	K4CMS

K4GHS	113	EI8IU	HL3GOB	K3JRR
K4GK	9A1A	EW1DO	JA1AUD	K3PH
K5XM	DJ5DT	G3XGC	JA1FGB	K4WW
K8YTO	DJ9RR	HB9CEX	JA1NCZ	K6MI
LY4T	DL8CM	HB9CRV	JE2EHP	K6VKO
N0IRM	DL8DYL	HB9G	JE8TGI	KB4MRX
N4OA	G4AFJ	IK2ANI	JF2WGN	KC2STA
N5BO	HB9EFK	IU8FRE	K0FLY	LZ1PM
N8KOL	JA0GCI	IZ4DIW	K5WAF	N2CG
PA3AXU	JA1OVD	JA1SXR	K7ORK	N3HBX
RZ6MJ	JA4ITW	JA4BXL	K9AJ	N3IQ
UA1ANA	JH1ORA	JA7BXS	KM1R	N3JB
UA1CGS	JH3GCN	JR7TEQ	KZ0X	N4KE
UA6XT	K0TPP	K0JPL	LA0CX	NC6K
UN6T	K2HAT	K1EDG	N4WJ	NK7C
W4UCK	K8SL	K1KO	N7BD	NY4I
YL2CZ	K9GWH	K4UAS	N9HF	RD9M
	KA4RRU	K8CC	NA1DX	SM5BHW
114	KH6DX	KB2FCV	UR6QA	SP9WZS
BA4DW	KI0G	KI4DLS	UT1UY	SV1VS
BA7IO	KT1J	KM1C	VE6KC	UA3O
CT3FN	N7KO	LA8HGA	VE7CT	US7MM
CU3AK	N9ISN	N5ZC	VE7UF	W0UY
DL6NB	NA3F	N6MA	W0VHF	W3XY
F6CWA	NG0G	N6PE	W1FO	W4DC
G3SDL	NI5F	RU4SU	W4HOG	W4NE
HP3TA	NK5B	SM3DMP	W4OX	W5ZPA
I5OYY	ON5UE	UA1ACG	W5AQ	W6KK
IK7YZG	R7NA	UA1CEI	W7VS	WL7E
IW0HEX	RA4UN	UT6UD	W8KA	XE1FAS
JA4KDT	RZ3AUL	VE7XF	W8MIL	YU7AU
JA5WIZ	SM5ARL	W1HEO	W9RB	ZL3NW
JH6WMJ	SP3EPG	W2CVW	WA2BOT	
K1RV	SV1FKZ	W2SKI	WA2MUA	109
K2DC	SV1JFV	W3MR	WB4TDH	DF1KG
K3MD	SV2AVP	W3UL	WB9EEE	EA3GHZ
K3NF	UN7TW	W4VHF	YL3DQ	EU4T
K3OSX	VE3KI	W5VX	YO6HOY	F8EZE
K5CD	W2GW	W6TC		G3SVD
K5RJ	W6BK	W8GEX	110	J68HZ
KB8U	W8FAX	W8HMK	BA4MY	JA2CXF
KZ4V	W9DX	W9SE	DG7RO	K2ONP
N1QY	W9HBH	WA8OLN	DL1VDL	K4RDU
N2JJ	W9VNE	WT9U	EA5BYP	K5FZ
N3MN	WA4DOU	ZP6CW	F5BAR	K5KA
N4IQ	WB2HJV		G3LNS	K5KPE
NU8Z	WB2UFF	111	G8AJM	K6MW
UA3FT	WS4C	AA4U	HC1BI	KE1F
W0VX	XE1RBV	AB4GE	I2BBJ	KZ5DX
W4TUN	ZL1BYZ	AF4OX	IK5RUN	N1BZ
W5VY		CU3AN	IK8UHA	N2WLG
WA1FCN	112	DK2WH	IZ0CKJ	N7TY
WA4CEM	A92IO	DK6ED	JA7EPO	N8NN
WA8MCD	DJ1RL	DL1HRN	JE2UFF	ND4V
WA9YYY	DK5RL	EV1R	JH1VHU	NN4RR
WN9O	DL5CL	F6ECI	K1EO	NU4I
XE3ARV	EA1JO	G4DBN	K2BLA	NX7U

PY5CC	WA8MOA	WB6CJT	W2EQ	R6YY
RW4UU	WB8BZK	WB8ART	W2LE	RA6AF
RW9QA	WC1M	WS1L	W2NO	RD4WM
RX3AGD	WC6DX	XE2YWH	W3ICM	SP5JXK
TG9NX	WD9EQU	YL1XZ	W4IR	UA6LCN
UB5ZAL	WW1WW	ZL3RJ	W5JAY	UR1RWX
UT7KF			W8OP	UR2RGN
VU2CPL	107	106	WA4MYO	VE1PZ
W5WP	4Z5LA	AA4FL	WA6TLA	VR2MY
WB5TUF	DJ8ES	AE2U	YL2GN	VY2ZM
WN0L	DK3FB	DJ6OZ	YU3EF	W1LE
YV3AGT	DL1QQ	DL2NOM		W1LY
	DL2CHN	DL3JSW	105	W4OWY
108	DL5XU	DL6JZ	DF2PI	W5KI
AI2Q	DO4DXA	EA3CCN	DF8AA	W6FF
AL7R	EA5AT	HA8DZ	DJ3XD	WQ5W
DL6CNG	EA7QW	IK0ZIO	DJ6KH	YU1NR
ER1LW	FG8OJ	IW3GJF	DL4ZAB	
G3VAO	G4AKY	JA1VLK	DL6XK	104
HB9BAT	G4RGK	JA2MNB	DO1CTL	9K2OD
HB9FAN	HI8R	JE6IGP	ES1GO	9M2AX
IK0PRG	I5IHE	JG3HBO	G3YUV	AD1C
IZ0BTV	IT9XTP	JG5RVQ	HA8FW	AG4Q
IZ2EWR	JA5EY	JH2KKW	JA1BWA	AH0U
JA2MOG	JA8JTH	JH6PFY	JA1TAA	CP8HD
JJ2PIK	JH9DRL	JJ0NCC	JA4EVN	CX3CE
JK1MZT	K0MD	JR0EQQ	JA6VA	DK3BK
K1EP	K3SW	K0DEW	JA7BME	DL4FAP
K1XM	K3YBN	K1PX	JA8RRF	DL7UPN
K2CJ	K4SAF	K4DSE	JA9APM	E73D
K2KQ	K8LBT	K5AM	JF1RYU	EA8ZS
K2MK	K8ZR	K5ZQ	JO4CFV	EI9E
K4WY	KB9DAK	K8JJC	JR1BAS	F6AJA
K4YJ	KE2R	KD9HL	K1DJ	F8GB
K6UT	KZ1W	KK8X	K2XF	G3BRD
K8OM	N2RR	KK9H	K4MS	HB9CIP
KM8AM	N3DAP	KP4AA	K5AV	HK3O
KN4JX	N4RF	KQ3F	K7OX	IK0DWN
LU2DKT	N6EE	N0JZ	K7PO	JA1SDV
N4MEC	N8AGU	N2CW	K9RO	JA2FGL
N6RFM	NA5Q	N2SQW	KI5T	JF1EGO
N9SF	OE1CP	N3XM	KT2E	JF6WTY
N9TF	OK2BUZ	N8AID	KX2A	JK1BSM
NU4Y	OK3CQR	NA5Z	LZ1JZ	JO1WYO
PA0ZH	R0FA	NI5M	N2DPF	K0WK
R5FY	RN4AA	NS3L	N4JI	K1BG
R7LA	RV6ARZ	OE5CSP	N4NW	K3FM
RX6DX	SP3BQD	OH2OT	N4PL	K4KEW
S57J	SP6AXW	OK1AYU	N4SC	K4MF
SM6AOU	US5CB	OK2BVG	N4VN	K4VIG
UX7UN	VE3OI	S57AL	N6NU	K5HK
UZ6LWZ	VK3NX	UR3CRO	N7DR	K6UM
W2UB	W3KB	UT7UU	ON7PQ	K7TJR
W3NRJ	W6TDX	UU5WW	OZ4AAL	K9EA
W4ZYT	W8IW	V73AZ	PF7M	KA2BZS
W7ACD	W8VK	VQ9SS	PJ2/K8ND	KH6KG/W5
WA2ALY	W9CPV	W1CWU	PY2DS	KI0KB

KW0A	G4AAW	W6SZN	SP5MXZ	K0LW
LZ2XF	G4PUQ	YO7APA	T77V	K1YR
N3ER	G4VGO		UA1AIR	K2BX
N3TR	I0OSI	102	UA1CKC	K2TER
N4GU	JA2GQO	A6/RV6LNA	UA6HOF	K3SEW
N4TTE	JA2OLJ	CT4BD	UA9MR	K4NNX
N6PF	JA3FHL	DK3QM	UA9UCO	K5DNL
N6WM	JA8EJO	DL3DXX	UW7CN	K6AAW
N8MZ	JH1DGQ	DL3NCR	VE2FYR	K6XJ
N9DR	JM2RUV	DL4CW	W0JMP	K7AR
N9PGG	K0EOO	DL4KUG	W1MRH	K7IA
ND3L	K2UVV	DL5RDI	W1PV	K8BN
NJ9C	K4LQ	EA8AKN	W2LW	K9JU
NN3Q	K5JUC	EI4DQ	W2TX	K9PG
RA1QX	K7BTW	EI6GF	W3EKT	KC4PX
RU3UR	K8CCV	ES5RW	W4ALF	KD3UY
RZ6DX	K9MUG	F6BWO	W5TO	KE1VT
RZ6LB	K9XJ	FM5WD	W7IUV	KE4S
SM5CCE	KE1IU	HB9AHL	WA0IDK	KF7NN
SM7CQY	KJ4R	I8LWL	WA1S	KN6J
SO5AS	KJ7WY	IT9SFT	WD8DSB	KQ1F
UA9FGJ	KM9E	IZ4MJP	WS4Y	KS4XQ
US5CAO	LX1DA	JA0HXV	WW5G	LA2GV
UT4EK	N0RU	JA1JAT	YO2CMI	LA6UL
UT7EC	N1HOQ	JA6OXT	YO2IS	LZ1XZ
UX4UM	N9BBQ	JA8OW		N0STL
UY0MM	NU1T	K0YN	101	N2AJ
VE3VHB	OH3GD	K1PTF	AA2VG	N5AQ
W0YBS	OH4UI	K2LP	AA3LX	N8AG
W1QA	OK1DQT	K2TK	AA4NU	N9JCS
W3DRY	OK2BQU	K3KG	AC2AC	NE1F
W3TMZ	OK3BRK	K4AQQ	AC5O	NX2X
W5CWQ	OZ7JZ	K4KAY	CT1JGA	OA4TT
W5GJ	PA0GMM	K5ZO	D44BC	OE3WQB
W5ZO	R9GM	K6DJ	DH2FW	OH3TY
W6PH	RA0FA	K7BHM	DK9WI	OK1PGF
W7DR	RA4HT	K7UA	DL1KS	OK2BOB
WA0I	RK3QY	K8BHZ	DL3ANK	OK3EY
WA0RVK	RU3OW	KJ6NZ	DL5JS	OK4MM
WA9ETW	SM3CBR	KN4KL	DM3ML	ON4LG
YC0LOW	SM6EHY	KW4BY	EA1WX	OZ5HP
YO5ODE	SM7BHH	KY6R	EU1TT	PA4WM
	UA3PFN	LA3ANA	G3ZFC	RA3AH
103	US2WU	N5RZ	G4FJK	RA4P
AG1I	UT2AB	NZ3M	GM3WTA	RA4SD
AI3Q	VA2ZO	OH2EA	HB9NL	RB7GG
DJ1MM	VA3IC	OK1DTN	IV3GOW	RK9F
DJ3GZ	VE3EDY	OK1JDX	IV3KCB	RY6M
DJ7PI	VE3MFA	OK3CSQ	JA1VVX	SM2DMU
DL2HX	VE3VV	PA7TWO	JA2VMU	SM7NDX
DL8YRM	W0QC	PV8ABC	JA6TMU	SP7JLH
DM5TI	W0UVC	PY2DO	JA7SFD	SV1PL
DS3HWS	W1CTN	R2AB	JE1SYN	UA0FDX
EA7SG	W4AVY	R3IS	JF1RPZ	UG6GAW
EU6MM	W4MZ	RU3UN	JH3HGH	UR7CQ
EW3LB	W5THT	S59DJK	JH3PRR	UT1CC
G3BDQ	W5VU	SM6WET	JI3KDH	UT4IS

UT7HA	JA4FSH	OK1DXD	ZS2DL
VE2OJ	JA5DQH	OK2PAZ	
VE3XB	JA9CGW	ON4ANN	
VK2GR	JF3DRI	ON7EH	
W1AW	JH7BKN	ON7GB	
W1FC	JS6TWW	ON9CC	
W1GF	K0LB	OZ1ZD	
W2SF	K0XM	PA0INA	
W3WH	K1NA	PA7RA	
W4BUE	K1NZ	R3PJN	
W4PM	K1TZQ	R9JX	
W7AV	K2CBI	RA3SD	
W7CB	K2CYE	RA4LW	
W8GB	K3TZV	RA6XB	
W9MAF	K4FT	RC2A	
W9ZCL	K4KSY	RN1A	
WA3EKL	K4QS	RT5A	
WB3HLH	K4UQC	RU3GF	
WC4H	K7VIC	S53MJ	
WK9U	K8BZ	S59SV	
WR2G	K8CR	SV1VJ	
YO2OXD	K8CS	SV2DSJ	
YO6BHN	K8LE	UA3AKI	
YV4DYJ	K9NZ	UA4PAY	
	KB0EL	UA6CEY	
100	KC0V	UN6P	
9M6YBG	KC4D	UR4CW	
A41ZZ	KC5LT	UR4LRG	
AA4AK	KD8BZY	UR8IDX	
AB4VV	KP4N	VE1RGB	
AC4VM	KQ5M	VE3OAT	
AI2S	LA8W	VE7JKZ	
DJ6OI	LU5OM	VP2VA	
DL1TPY	LU5YF	VR2PX	
DL1TRK	LZ3YY	W0GYH	
DL9GTB	MM0SJH	W0MU	
DU7ET	N0AH	W1AN	
EA1CP	N0ATQ	W1YRC	
EA2AAZ	N1KI	W2CCC	
EA3ALD	N1MD	W3BBO	
EA8AXT	N2SG	W4HHN	
EC5A	N2XQM	W4MAY	
ES5NC	N3AF	W4OEP	
FM5GU	N4CRI	W4OV	
G0VXE	N4ZR	W5BK	
G3OIL	N7DED	W7DT	
G4CGG	N7TK	W7JET	
GM3ZSP	N8IL	W8CNL	
I2VGW	N8NB	W8FN	
IK0HFO	N8OQ	W8GDQ	
IK4MSV	N9ADG	WB4SON	
IS0/YO3RA	NA6O	WU2M	
IW0BYL	NB3R	WV9L	
IW0HQE	NG7A	YB1TJ	
JA1BRK	NJ3I	YL2SM	
JA1CPU	NN4SS	YO9FLD	
JA1ILA	OE5JDL	ZP9MCE	