

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 09 Jan 2026, 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	N4IS NN4T SM3GSK UA6A	VA3EF
341 EA8AK	325 EY8MM K9UWA UA2FF	316 IK4WMA K5RK N1DG OH3SR W2VO	310 I4AVG I4EWH RA3CQ SM5BFJ SM6CVX W5IZ	304 DJ0MDR GM3GAV	299 K4TEA N1BUG SV1FJA UX1UA W7UT
340 K1ZM	324 K2TQC K4PI OH2BO S50A W1NG	315 PE5T S50U W1JR	309 IK4MGP	303 F5LGE G0JHC GM3YTS JA1BK JA4LKB K1UO RU3DX	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ RA3DX SM5CEU
339 W4DR W4ZV	323 SP5EWY	314 IK4GME NX4D OG2M OK3GU OZ1LO RW2A UA4CR	308 IV3PRK K4SV K8GG N4RJ UT3UA	302 SV8JE	297 DK5PR N4CC OM2XW W0FLS
335 OH2BU R7LV	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	307 DJ7MI OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX PA3FQA SM3EVR SP3EPK	296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ
334 N4WW	321 WB9Z	312 OH1MA S54E	306 DL4MCF EA6SX K4CIA SM0AJU WT3Q YU1FW	300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU SV8CS	295 K3UA
332 UR0MC	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 CT1EEB JA7NI K4ZW		294 DL1AMQ JH2FXK JR2KDN
331 K5UR LZ2DF UT7QF	319 N0XA SM4CAN UT5UGR W9ZR				
330 AA1K HA0DU OH1XX R4GM	318 4X4DK				
329 K3UL UA4HBW					

LA5HE N0TB RJ3AA WD5COV	WK3N	281 DF2PY JA2PJC K1CP S59Z W4TO	I2AOX IK4CIE K2UO K4IQJ KF2O SP6AEG UW2ZM	K8PT RA3XDX W1MK	K5KC N6SS NO8D SP1S UX0FF
293 JH4UYB S58T SM3NRY	287 DL1RWN G3XTT N2QT RK4FD UR5WA VA3DX W4PK	280 EA6NB KG4W N9IW RV3LO SP6HEQ YO3APJ	274 CT1EKY G3TXF JA8ISU W6UB	267 G4OBK LU8DPM RW0LT RZ3DX SP5DIR W1GL	260 I1FQH K1LT K4DY UT9FJ
292 G4BWP IK1GPG IZ0AEG OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W5ZN W8TOP	286 DJ2YA K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 F6AOJ IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	266 K1QX NR1R R3LA W8TE W8XD	259 DF4PL G3ZSS IV3ODE K8FL R9FM
291 9A7V I5NPH KD9SV R7NW SM6CMU SP3E UA3LAR UT7UJ	285 G4CCZ K5XI	278 DK0EE F6BEE HB9AMO JA3FYC K5DU RU3FM SP9DWT	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	265 AA4V* AA6YQ AA7A EA5BM EI7BA K4XP YO5BRZ	258 KW9A N2NL RN3CT VE3QAA
290 UA3AKO UT1UY	284 IK6DLK NJ6P SP3DV UX1AA	277 AA4MM DJ9VA DK5WL IK5BAF K1ZZ OH3BU ON7TK	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV SP9JZU	264 IK2YCW IK5HHA K7ZV N3NT R5AJ	257 AA1QD JH1GZE K1GUN K9NW N4II N8TR W9YSX
289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX US5WE	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 F6GCP G3LZQ N8RR OK1AWZ VE2Tzt	270 AA1V KD5M LA3MHA OE5KE SV8BHN	263 IZ1ANU K9OW KX4R LA5IIA W2SM W3AP	256 9A5CY JA5BZL K5VRX KY7M SV8GFW W1TSP W3DF
288 CT1APE HB9BGV PA3GCV SL0ZG SP7VC UA4LY W0JX	282 DL1YD HB9BIN I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	275 9A1CCY F5NBU	269 K6ND W1ZC	262 G0DQS KR9U N5KD W1YY	255 K4QL N2MF VK4MA W3KX W5OZI
			268 DL5DSM G3WPH	261 9A4T DL9YX K2EK	254 I1EIS N0AT

OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R OE2LCM R7IA WA7NS WB3AVN YO9HP	OK1CF	237 DL7MAE IW1ARB OM4EX WA7NB	K2AZ K4XL NI6T UA3AP	226 9A8A DL5WW JA6BZI JF2KOZ JR6EZE K9FD* ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT
253 5B4AGN IV3YYK JQ3DUE K5ESW R5DT S58Q UA1OMS W0YG	246 DJ2TI F2JD IK0MHR JF8QNF N6TR TF4M UR5EDX W2TQC W5XZ	OK1DWJ SP5GRM UA3TT VE1YX VE3NH	236 AB4I K1JO K5EK K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	ON4GG SP3CGK US0SY UT5JAJ VE6WZ W0VTT
252 EA1DR JA2VPO JF2MBF JG3QZN JR3IIR ON4AOI PA4VHF S52F W3UM	245 DL4CF JA1GV JA7QVI N9US RL9F RY7G W9XY	240 EA6ET JA5MHD JR3GWZ K0JUH K0KT K1DG K1FZ K1ZG K9OT LA2XPA UR5MID VO1NA	235 CX6VM EA6VQ JA0FSB JH4ADV K3SWZ N6DX R7DX VE3XN	230 JA1CMD JA2NDQ 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 IZ8FFA JA1HGY ON4IQ SV1RK	239 AJ6T K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF UW5ZM W3LL	234 IK6FWJ JG1ULJ K1AR K4UTE KF0QR PY1BVY S51DI	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	224 IZ8FWN MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ
250 AB3CV HB9RG IK0XBX NQ1K OZ8BZ SV8CKM	243 DK2JX DK3DG JA0CRI ON4ATW S57A W9RPM WX4G	238 AC4G DL8WN IK0XEZ IZ1LBG NI0G RA0FF VO1HP	233 DF6PB DJ5FI JH1HGC K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO	228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	SP8NR VA5DX W7KW
249 AI9L K9RX SP5DRH	242 EA4KD G8VR KG7H		232 EA1N FK8CP JA8EAT	227 DL7HU ES1RA I3BUI IK0HBN JA1UQP JA9CHI K1FK K3NW N6JV W9BF	223 AB0X DJ8NK HA7TM JH2TPI KV7K N1LN RT6T SV2JAO UR5FEO ZS4TX
248 K2FF K3WW K5RX SM3VAC T77C W9NGA					222 IV3JVJ K3SV

K6EID K8FH K8ZTT N4PQX N5AW N5JR N8PR N9BX SM0CCM	K5UO UT4MF W5PJR 217 DM5EE JH1IFS K5PC ON6YH UA3AGW	W0LYI W1FJ W2WG W3YY WP4U WS9V 212 AA9A DL9GFB K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I SM5CZQ W1ECT WA5VGI WB9CIF	208 G3NSM I4LCK JA9FPI JF4VZT K2FU LA7HJA N5ORT RU3ZX RX3APM UN5J UY1HY W6PJ W9EWZ	K4JJW K9US KK4SI LX2A N4NX N4QS N7FU SM2OAN UA0SR US6EX W2HUV WD8PKF WF4U WI8A	201 AG4W CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK W2IRT W5TCX 200 G0OIL IK0FVC JA1GTF JH2RMU K1GE K1GG LA5YJ RW4NN RW7M UY0ZG W0DD W3GG
221 JA2WYN JJ3PRT K4MWB K8SIX LA7GIA LB8DC N6VR VE3LYC W1ZK W6JRY WS6X	216 F6DAY JA9PPC K3JGJ N5UL OE1ZL RA1QD RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	N1ZZ N4MM NX0I SM5CZQ W1ECT WA5VGI WB9CIF 211 EA1RT IK4DRR JA4DEN K3WA RU3SD	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW PY2XB W0LS	203 AA5AM JA2XYO JE1PNX K4XO K9MMS KK2I NK1K OH1TV PA0A R6AF W7DO W8GC WA2HZO	JH2RMU K1GE K1GG LA5YJ RW4NN RW7M UY0ZG W0DD W3GG 199 G0BNR JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
220 AG8B DK2NG HB9LCW HL5IVL JF3KON JR4OZR KA1R OZ1AXG VE3EXY	215 JH0INP N7JW W0UO W2LK W6YI	210 I8SAT JA7MSQ JJ2LPV RV0AR UW7LL W7JW	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC N8DJX SM6BZV US0KW VE3BW	202 DK2LO DL1MGB DL2KQ DL9DRA HB9DDO JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S UA9FAR W1NT ZL3IX	N4DW W1TO YO2DFA 198 DL1ROJ G3UJE G4BUE I5KKW IT9JNR JA4PXC W8HB
219 IK3VUU JA2FBY JA2FJP OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2IVK JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA K5RT KG9N N9LB VE1DX W0ZR W7KNT W9OO	205 F6EXV I4KDJ JA3AAW K9YY KA9FOX W8UN WB8ZRL	197 G3SNN JA0EOK JE1BMJ JH1QAX JH2UVL K8NVR LA7AFA OE4PWW OE5FIN	
218 AD5A DJ4PI DK0PM IK1YDB JA6LCJ JA8CDT K0EU K5EJ	213 DF2IS EI3IO HA1RW JF6DSZ K1ST NA2M* RU4SO		204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO		

ON4CD	HA5BSW	189	N5UR	IK4ADE	176
RZ6FA	K4ODL	9A2F	OE2BZL	JE2URF	EU1AB
UA0SC	N5LZ	AA1ON	SV1DPI	K6SSS	G0BLB
UT5EL	N9EN	CT1FMX	UA9CBO	K7BG	I6FLD
W0FS	PA0LOU	EA8PP		LA9AJA	JA0DET
W4UM	RN1ON	FM5CD	184	N1RR	JA5IU
XE2X	UA0CA	K4CN	HA5WA	N4AH	JA6BJV
	W9MU	SM0NJO	IW0SAF	ON5FP	JA8KSF
196	WA2VYA	SP7HOV	JF1NZW	W1RM	K8MN
4Z4DX	WE9R	UA7T	K4HGX	W2OR	N5OK
AA4HP		WA3C	K5KLA	W7BEM	RL3FA
IK4PLW	192		KB4ET	W8TN	SM5FUG
JA3RAR	9A2NA	188	N9RC		SP1MGM
K8PO	JA7JWF	AB4IQ	S57AC	179	W4BP
KP2A	JH1RFR	JA1KQX	US8UA	IT9ELD	W4GD
ND0N	K3FN	JA8DNV	UT2UB	JA9NLE	YO7NE
RA9CMO	K4FJ	KB0EO	W2YJ	K0TT	
RZ4FO	K5XX	KE9ET		K8WK	175
W2FCR	K7GM	KL0S	183	N2PK	JA1CHN
	K9EU	N8LJ	CT1FPQ	OK1MG	JG0CQK
195	KF7PG	RM0F	HK3W	S57UN	JH2QMT
EA3JL	LA0FA	W1YM	IT9INO	SM4DDE	JS3CTQ
EA5RM	N4DB	W6SR	K8RRT	SV3FUP	K4DLI
G3ZEM	NE1B	W8JV	K8VC	W8KEN	LA5LJA
JA1EOD	W3UA	WA6YEE	N9MB		N7IR
JN7FAH	W3YQ		NN2L	178	PE1L
K3PA	W8LGJ	187	ON6SAS	4Z5CX	TF3SG
K7SO		AJ1H	W2FP	EA3CJ	VE3FF
K9RT	191	K0SR	W8NW	JA4MRL	W8HC
KF8UN	CT3MD	K6SRZ		JL1SAM	WA9PIE
N1SV	JA1ANR	KN5O	182	K2UR	WX0V
W4FC	K0BBC	N2NS	DJ9ON	N7XR	
W5ZG	K0JGH	OK1CZ	DK3UA	NE0U	174
W9OP	K8FC	SP3FAR	JA1SHE	SM7DLK	JA0GJJ
WN6W	K9LA	W7AWA	JA3ENN	SV1JG	JA1PPW
	RK2FWA		JR7BDQ	W6NWS	JA2XW
194		186	N3OC	W7MEM	JA7MOL
JA1XEC	190	IK2QPR	UR3EO	ZS1LS	JF7DZA
K4KDX	IZ8XQC	JA2LCP			JK1OPL
K9JF	JA0VSH	JA2ZL	181	177	JR6PGB
KB9LIE	JA1DUH	K0BJ	DK3WW	9H1SP	K1KI
OH2IS	JA1MCU	K7LAY	JA2BDR	AE5E	K2KA
SM7GIB	K2TE	YL2TW	JA9TWN	CT1GFK	K3AJ
W2LO	K9KU		JN4MMO	K3WC	K4TR
WD8JJA	KB1EFS	185	K2EP	K4RG	K4WS
	KM1D	AB6QM	LZ2ZG	K5GKC	N1EN
193	N4XU	CT1EAV	VE3OSZ	K9NU	OE1WHC
CT1IUA	N5GH	EA6BF		OK1DWC	RN7F
DF2GH	SP2LNW	G3KWK	180	PY5EW	UA3LNM
DK1FW	VE7VV	IK3SWB	4Z5MU	SM6DHU	W8UV
DL5ZB	W9AJ	K5ZD	DM2DXA	W5LT	W8VVG
DL6ZXG		LA3WAA	DM3VL	W7FI	WT8C
EA3WD		N4TJ	EA8JF	WB7B	

173 5B4ALJ I1JQJ JE3ENP K1NTR K4XR K9YC KA1J N5FG RC9F UN9L VE6WQ W3IP	SP3GTS SV3KH W9EVI 169 JA1ADT JE2LPC JR1IZM K1LI N4XX N7US RN3OG UT8MM UY5AA W6RW W7YAQ WB3JFS	RA1AOB RN9N S51EC W1YW WA4LOX WB0TEV WC5N 166 4Z1UF DJ4SO IV3TDM JA1FNA JA9LJS K1KA K3KY K4JLD K4PB K4WA K4ZYU RM3DA W0DJC W1RR W8ILC WA8TXT	WW3S 163 9A2JK DJ9HX JE2LUN JH4CPC K7NN K8TL OK2QA RW3RN UR4CWQ VE3CFK W7AL 162 4O3A 9A4W F3AT HB9BUN IZ4DPV JA6GIJ JH4ALY JR5JAQ LB6KC N8MR VE7SL W0HT W0TT W1LW W2XL W8WEJ	IW2FND JA2EPW JE2DZC JE2OVG JF2XGF JR7MAZ K3MSB K3RA NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B 159 DL6MRS JA4FKX JA9APS JH6QFJ JL1RUC K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT 158 AA6AA CT1FCX DJ4PT DL1FKA G4GIR IT9DSZ JH1TWT JI1FXS JI1NJC JR1GJP K1CA K5TT K9GA OZ1HX RU6M SM4EMO W0SZ W1OX W3GQ W4QN	157 AA4H AC6DD DL4MM EA5BY G3TQZ HB0CC JA1GHH JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ WS7L YV2IF 156 AB9V FM5BH IZ8IEV JE3GRQ JO7HAM K0QC K8YSE KS1J N3RC N3UA N7WS UA3SAQ VA3LX W1YIF W4TV 155 DL1RK DL4SZB JR3OEH K2LS NE0DX NW7E SM6VR W2XI WE1P WS5W ZS6EZ 154 3V8SF GM3PPE
172 EA7TV G3NKC HB9FMN IZ5MOQ JA3FGJ JG3IWL K0DEQ K1BD K6FG KJ0M W3JX W4FQT WC4X	168 G3MXJ HB9TKS I2ZGC IK2EGL JA6VQA JE7JDL JF2UPM K4XD K5QY K8RYU KR4F N4QQ N8BJQ PA7F SP5GH SP6EQZ SV2AEL W4SVO W6VX W8OI WA0MHJ WA5YNB	165 DL7UCX F6HDH IK0AGU JE7RJS JH7CFX K5JZ KK4CB N4HB N9FN NY0V SM4CTT W5BN 164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH W4DKS W4NS* WP4G	161 DK2GZ DL6RAI HB9DHK IK0FUX JA1DOF K1USA K5GO K8ND LB2TB N4GN OE5RLM OH6RA VK3HJ YU2TW 160 AD5Q DK1WB DL1DA		
171 AA9D DL6KR G0EHO HA9PP JA6HUG JR1TNE K1NU KI5BLU N0RN N4OGW N7RO RA3DNC SV1LK WA3AFS	167 DK5AD EC3A EI6FR K6KO K8NK K9MBQ N0IJ N3BNA OH2BLD PA3C				
170 DJ6TK IK0PEA JA6JPS JF1WPB JM1GYQ K6ZZ N4PY					

IZ3ENH	151	IK4FNF	N7BT	W4GE	JH4JNG
JA8NFV	AA7G	JL1ARF	OH1JP	W7ZI	J11DCW
K0KVR	DK2OY	K3TN	RU0SN	W8RLS	JR2LJO
KR2Q	EI9JF	K4YYL	W1IZL	WC5M	K2RW
NX8Y	F3SG	K7HP	W1ZT	WD5T	NJ3K
SV1CNS	HB9SLO	K8ME		YO3CD	SV3FUO
W1NA	JA6BEE	R8TX	145		W2CG
W5DNT	JH1NYM	SM6CUK	AF4HX	143	W3BW
YS1RR	JR1XIS	UW7UA	HI3T	DL6EN	W4JVN
	K2AX	W0GG	IT9ZZO	HB9RYZ	W4VIC
153	K2FW	W7HPW	JE6TSP	IK8GYS	W4WT
AJ9C	K8ROX	WB8B	JH4HMG	IT9BLB	W8GNM
CU2AP	N2ZN	WD5K	JH7RXU	K7CMZ	W8HW
DF2RG	N5JB	YO3DDZ	JJ3HGJ	K7CW	ZS1C
DL1DUO	OK1ATP		JK1AJX	N2RJ	
DL3ZA	RD3A	148	K3VAT	N5UW	140
G3TJW	RU3A	DK2CC	K4OY	N6PAT	9A1CAL
HL2CFY	S54A	F5CQ	K8BL	NN4R	JA4OK
JF1IRW	SP7AWG	F5LVL	KF6HI	W0IZ	K5WK
JR9OPJ	SV9AHZ	F5PAC	KR0P	W6QUV	K6KLY
K7SP	W7CT	G4FTC	N1CGP	WB8CQV	KF8DX
K8VFX	W7RH	JA9RRH	N4GG	WB8ZRV	N4XP
KD0PO	WA1Z	JH1QDB	N6PSE	WD9DZV	OH6NIO
LZ1PM	WA2BCK	N2WB	N8OC		ON7DR
N4TV		N5XZ	OE6VIE	142	UN1L
N5TW	150	NE3F	RT0F	AB9M	VE6SV
N8II	EA1AF	W5FKX	SM3DTR	I5HOR	W0SEI
R9OK	IV3RAV	W9JJB	W5ADD	JA2ATE	W4NU
SM6CLU	JA1SVP			JH0BQX	W7IV
SP5CCC	JA2NQG	147	144	JR7WFC	W8LWU
UT5UY	JL1UXH	EA3GP	CU3EQ	K3PP	WO2T
WB8BPU	K0RS	IV3VBM	DL5CW	K4WZ	YL2MU
	K1OA	IZ0RVI	DL5KUA	K6EME	YO9FNP
152	K5TR	JA1XQC	E70T	KK1W	
EW2A	K5VWW	JN1BMX	EI6IZ	KM3T	139
JA2VQF	K7LV	K8UT	GM3ITN	MM0SAJ	DF7EE
JT1CO	K8AJS	KM1H	HB9BYQ	N7QT	DJ4XA
K9MK	KU4XO	N1IBM	HS0ZEE	NA4D	DL5EBE
KQ4AV	LA6OP	NA5C	I5MXX	NQ7R	DL8OH
KS3F	N3QE	PC3T	IT9GSF	NY2NY	DS1JFY
N9OY	N9CO	W1OP	IV3DXW	OK1DO	HB9CQK
S55ZZ	OE8SPW	W2KKZ	IZ4GWE	W2OO	JA1TMG
UA6IGI	ON6AA		JA3GN	W5LUA	K2RET
UN7LZ	SQ5EBM	146	JE1FQV	W5VQ	K3ANS
UT5AB	UA6YW	EU4A	K0VSH	WA5POK	K6AM
VE6LB	W2/CT1GIF	JA1HQG	KJ9C		K8GI
W1SKU	W6DAO	JA4DHN	LA9GX	141	K8RF
W1VT	WW2DX	JA5XAE	LA9VFA	AC9S	KA8SYV
W6RLL		JH1GNU	N1IX	DL5MHQ	KU0A
W7AJ	149	K5KV	N2WM	EW1BA	LA8WG
WB3CQM	DL7CX	K5SM	N3KK	HB9FMT	OK1MP*
	HB9HFN	K6NR	SM4OLL	JA1PTJ	SM5CBM
	IOJBL	K7WP	SM5CLE	JH1HHC	SV8ZC

W0SD	UT3UZ	ON4CAS	WB3D	R9AB	W4IS
WA8WV	UW8SM	PY5HOT	XE2S	RU1AO	W6RKC
	W2OIB	RG6G		S51NM	WB0O
138	WB7QXU	RX4HW	131	TA1CM	ZS6UT
DK8MCT		SM0BYD	DK7YY	VE3DO	
DK8YY	135	UA0ACG	DL9FCY	W2MPK	127
EI9FBB	5B4MF	W4JKC	HS1NGR	W9ZT	AC9EM
F6DDR	BA4RF	YU1AM	IV3KFB		CT3KN
IK8EPC	DJ9ZB		JA0AOO	129	HK1MW
JA3OOK	F6FXU	133	JA2TBS	HB9AZZ	JA1DDH
JF3LOP	IZ7EVZ	9K2NO	JH4ADK	JA1NWD	JA1WLO
K1RO	JA2KVD	EU1U	JJ1TEA	JA8JO	JA8RJE
KJ6P	JA7LMZ	G4XEE	JM1FHL	JK1EXO	JA9KRO
LB5WB	JA8BNP	IK5DNF	K1UU	K6XM	JH3AIU
NA5DX	JA8JL	IZ8DFO	K6SIK	K8DV	JN1RQV
OZ8X	K1ZE	JA6CBG	K9DR	LB7ZG	JS2LHI
RW4CY	K4TT	JA7GLB	KC2LSD	N0YY	K0RW
UN7JID	K4ZRJ	JA9AGN	KH2L	N2BJ	K3TRM
V51B	K7FL	JR6FC	KM3V	N3KS	N1AC
W1GD	K7XB	JR7FRW	KM4H	N3RR	N1GC
W2YE	NZ9R	K2CDJ	N3MK	PA3EWP	N9RD
W4YV	R3VA	KS4YT	N4QWZ	W0YVA	OE3SGU
W7OM	R7LP	KU2A	N5PHT*	W7QHE	OE8HIK
	RN3RQ	OE1KM	N6RK	W8MET	SK7AX
137	SM0LGO	RA5BM	ON4ON	W8MK	SP6A
EA1YO	SM5CZK	RV4LC	PY5EG		SP7ASZ
GM3YOR	SP3XR	UQ2PZ	R0SR	128	W0CP
IZ2FOS	SV5DKL	VE3WT	R9MJ	AA4SC	W0RT
JA3APU	UB3A	W0NFL	R9SA	DM2RM	W1OPD
K2QMF	W1DIG	W2QO	W8DCH	IK2SGB	W3BG
K8NS	W1EQ	W5AJ	W8KA	JA1XCZ	W3FOX
RA3CO	W2GD		ZS1A	JA2AHH	W3MF
RG7G	W4BUW	132		JA2KSP	W8LMG
UU1JA	W4MBD	AA4NC	130	JA5FDJ	XE1KK
W1ITU	W4RFZ	AD6W	DF9ZW	JA9AA	
W5ODD	W6DR	G3UHU	E73M	JE1LFX	126
WB5JID	W6JTI	IK3VBB	EI2JD	JH4GJR	DJ8WD
	WE4S	IT9RDG	G7VJR	K0FF	F8BPN
136		K6YUI	HK0HEU	K3XA	G4IUF
E72U	134	K9ZM	IK3XJP	K4JAF	JA7KY
ER0FEO	CT3HF	N6HY	JA2FBC	K4SE	JH3CUL
HB9IQB	HA1RB	OZ2RH	JG1DUZ	K6LPO	JJ1DWT
IK8CNT	IK4DCS	SM4BZH	JI4POR	KG7CW	K2ZD
IU0HDC	JA7LGE	SM6BGG	K2MYR	KM4NS	K4JKB
K0TV	K1TO	SP6M	K3NK	N5KM	K4XU
K4ZO	K1ZN	VE3CRG	K7LFY	OZ1IKY	N8NA
K7TM	K3OX	W4AXL	K8BCK	R9SG	OK3CQD
KR6C	K5VIP	W4RBO	K9GL	S53X	PA5TT
OK1DW	KX4TT	W4WM	KO8SCA	S55DX	VE3CX
SM3GQP	N9MR*	W5SL	NA4EA	SV3DCX	VE7BV
SM5OJH	N9RS	W7AH	NO9E	US8UW	W8REW
SP2BMX	OE1TKW	W7CD	OZ2ABI	VQ9LA	W9ILY
SP6JIU	OH1ZK	W9FR	R5QA	W2WC	WB2REM

WD4LBR	WT4Q	N3NR	AL7TC	JE2JMV	9Y4VU
YU1EXY		N9AW	DL2VWR	JH6CDI	AE0P
125	123	NN7X	FG5FR	K3NF	BH4IGO
9A1AD	AC4TO	OZ3Y	HB9BLQ	K5UZ	DL1DWT
AG1A	DL7JRD	RD4A	IZ0LKV	K7EG	G3PLP
GW3TMP	F4GTB	SP9WZS	IZ5NFD	K8KWT	IT9DAA
HK4SAN	G4WFQ	UU4JMG	JA4EPE	N0KV	JA1HQT
IW0HEX	G5LP	VE6AX	JR3UIC	N4DJ	JA4FM
JA4IYL	HB0WR	VK4CAG	JR6LLN	N9UA	JA7GYP
JA6VU	IK2CHZ	W2TB	K2BA	NT2A	JA7IC
JE1TSD	JA0CRG	WA3I	K2HK	NY7T	JM3GXU
JE6UWU	JA1SJV	WA7BNG	K3QIA	OH5NG	JR2UBS
JF2WXS	JA3MHA	121	K9SG	OK1DT	K2BB
JH1AGU	JA6WJL	AA6RR	KA8ZPE	R6FFB	K6PJ
K1HAP	J14WAO	AA8CH	N4BAF	SV1ACK	K8OOK
K5KG	JR1EBE	DF1DB	N4LR	W4HZ	K8QM
K9GWH	K2PK	DK1EI	N4TB	W8FIB	K9FN
KA6BIM	K3FRK	DK6CQ	N4UFP	WC2K	N2JJ
KI4WCQ	K3XO	EI2GLB	OE3EVA	XE1RCS	N4IR
LZ1XL	K4ZIN	HB9DHG	OZ2A	118	N8AA
N2KA	K5GH	IT9AAI	PZ5RA	5T5PA	N8XI
N3EN	K5JC	JA2HYD	RL3BZ	AB2E	NY4G
N4JT	K6FW	KD8RQE	SP3PLD	DL5OCE	ON5UE
ND5S	K7UT	KG9Z	SP7ITB	JA4FHE	OZ5HP
NW6S	K9CS	KV4AA	SV1IW	J18DGO	SM7BIC
OE1AZS	KV4T	N0OK	UR5IKN	JN7DOS	SP8HKT
RA0BA	N2ED	N1JP	US0YA	K3WGR	UA6J
UU7JM	N4DWK	N3ND	US1CT	K4CNW	UR9IDX
VE3UTT	N6MZ	N4TL	VE3YF	K5XM	W4ZRZ
W5DAW	N9JV	N6HC	W0RX	K7PI	W6SL
W9CG*	N9LQ	N8PW	W2YR	K8LN	W8ZR
W9DX	NA2P	SV1AHX	W3OA	K8WVA	WA2USA
WV4TN	NA9RB	SV1FKZ	W4PRO	KD6UO	116
YO2RR	S50B	UQ1GWW	W6RFL	KG8CW	AJ4F
	UA3DK	UT4EO	W7RN	LZ2HM	DL7URH
	UR9QQ	UU2JQ	WP3R	N2MM	EA5BRE
124	UT3QU	VA3AYA	ZL4AS	N5BO	HA7PF
AA7XT	W1AO	W0QQ	119	N6MB	HB9EFK
AB1OC	W4NF	W2GG	AA3AZ	PY2PA	IK0EIE
J11DHY	W8NJR	W3RJW	AE3T	RN3TT	IK2OHG
KD2T	XE1H	W6XI	AJ4A	SV9COL	IK7YZG
KD4POJ	122	W9FI	DK3GG	TA2RC	IT9TQH
KZ5DX	G3NDC	W9XX	DL9OBY	W1KSZ	IV3HYD
NA2U	IU0LFQ	W9YE	EW4M	W4DAO	JA1WTI
PA0TCA	JA1MRM	WA1PMA	G4DJJ	W4NJ	JE2EHP
UA0BA	K1BZ	WY1G	HB9AAQ	W5JMW	JH3GCN
VA7CRZ	K1ESE	XE1VIC	HB9BCI	W5VY	K1DC
VE1DUN	K1YT	120	I2TZK	WX3P	K1RI
W2JU	K2MP	9A5F	I4MKN	YO4AUL	K6RO
W2RIJ	K7ZA	AA4DD	IK0ZIO	117	KT1V
W3FM	LA7WCA	AA5JF	JA3AZD	9K2OD	KV1J
W6CYX	LA8PT		JA4XGC		NA9Q
WB8K					

OH8LXT	CU3AK	KT1J	KB2FCV	N7BD	SM5BHW
OZ1LCG	DL6NB	N6PE	KI4DLS	NA1DX	SV1VS
PA0JSE	DL6UAA	N7KO	KM1C	UR6QA	UA3O
RV3ID	EI8IU	N9ISN	LA8HGA	VE6KC	US7MM
TZ4AM	F6CWA	NA3F	N5ZC	VE7CT	W0UY
UA4PCM	G3SDL	NG0G	N6MA	VE7UF	W3XY
W1ENE	HP3TA	NI5F	N9HF	W0VHF	W4DC
W1WEF	I5OYY	NK5B	RU4SU	W1FO	W4NE
W7GG	JA1OVD	NZ3M	SM3DMP	W4HOG	W5ZPA
W7OEV	JA4BXL	R7NA	UA1ACG	W4OX	W6KK
W8LRO	JA4KDT	RA4UN	UA1CEI	W5AQ	WL7E
WQ5L	JH6WMJ	RZ3AUL	UT6UD	W7VS	XE1FAS
	K1RV	SM5ARL	VE7XF	W8MIL	YU7AU
115	K2DC	SP3EPG	W1HEO	W9RB	ZL3NW
C6AGU	K2HAT	SV1JFV	W2CVW	WA2MUA	
CU2CE	K3MD	SV2AVP	W2SKI	WB4TDH	109
DL9GOA	K3OSX	UN7TW	W3UL	WB9EEE	DF1KG
G8BCG	K5CD	VE3KI	W4VHF	YL3DQ	EA3GHZ
G8DX	K5RJ	W2GW	W5VX	YO6HOY	EU4T
HA5UK	KB8U	W6BK	W6TC		F8EZE
HK3PJ	KZ4V	W8FAX	W8GEX	110	G3SVD
IZ0CKJ	N1QY	W9VNE	W8HMK	BA4MY	IW0HQE
IZ7JVR	N3MN	WA2BOT	W9SE	DL1VDL	JA2CXF
JA2KNW	N4IQ	WA4DOU	WA8OLN	EA5BYP	K2CJ
JA3NHL	NU8Z	WB2HJV	WT9U	F5BAR	K2ONP
JA5WIZ	UA3FT	WB2UFF	ZP6CW	G3LNS	K4RDU
JG3LGD	W0VX	WS4C		G8AJM	K5FZ
JH1RFM	W3MR	ZL1BYZ	111	HI8R	K5KA
K0GD	W4TUN		AA4U	I2BBJ	K5KPE
K0SD	WA1FCN	112	AF4OX	IK5RUN	K6MW
K4CMS	WA4CEM	A92IO	CU3AN	IK8UHA	KA9UVY
K4GHS	WA8MCD	DJ1RL	DG7RO	IZ2EWR	KE1F
K4GK	WA9YYY	DK5RL	DK2WH	J68HZ	N1BZ
K8YTO	WN9O	DL5CL	DK6ED	JA7EPO	N2WLG
LY4T	XE1RBV	EA1JO	DL1HRN	JE2UFF	N7TY
N0IRM	XE3ARV	EW1DO	EV1R	JH1VHU	N8NN
N4OA		G3XGC	F6ECI	K2BLA	ND4V
N8KOL	113	HB9CEX	G4DBN	K3JRR	NN4RR
PA3AXU	9A1A	HB9CRV	HC1BI	K3PH	NU4I
RZ6MJ	DJ5DT	HB9G	HL3GOB	K4WW	NX7U
UA1ANA	DJ9RR	IK2ANI	JA1AUD	K6MI	PY5CC
UA1CGS	DL8CM	IU8FRE	JA1FGB	K6VKO	RW4UU
UA6XT	DL8DYL	IZ4DIW	JA1NCZ	KB4MRX	RW9QA
UN6T	DL9GTB	JA1SXR	JE8TGI	KC2STA	RX3AGD
W4UCK	G4AFJ	JA7BXS	K0FLY	N2CG	TG9NX
W9HBH	JA0GCI	JF2WGN	K5WAF	N3HBX	UB5ZAL
YL2CZ	JA4ITW	JR7TEQ	K7ORK	N3IQ	UT7KF
	JH1ORA	K0JPL	K9AJ	N3JB	VU2CPL
114	K0TPP	K1EDG	KM1R	N4KE	W5WP
AB4GE	K8SL	K1EO	KP4AA	NC6K	WB5TUF
BA4DW	KA4RRU	K1KO	KZ0X	NK7C	WN0L
BA7IO	KH6DX	K4UAS	LA0CX	NY4I	YV3AGT
CT3FN	KI0G	K8CC	N4WJ	RD9M	

108	WW1WW	W6TDX	S57AL	N4NW	JF1EGO
AI2Q	ZS2DL	W8VK	UR3CRO	N4PL	JF6WTY
AL7R		W9CPV	UT7UU	N4SC	JK1BSM
DL6CNG	107	WA0RVK	UU5WW	N4VN	JO1WXO
ER1LW	4Z5LA	WB6CJT	V73AZ	N6NU	K0WK
G3VAO	DJ8ES	WB8ART	VQ9SS	N7DR	K1BG
HB9BAT	DK3FB	WS1L	W1CWU	ND3L	K3FM
HB9FAN	DL1QQ	XE2YWH	W2EQ	ON7PQ	K4KEW
IK0PRG	DL2CHN	YL1XZ	W2LE	OZ4AAL	K4MF
IZ0BTV	DL5XU	ZL3RJ	W2NO	PF7M	K4VIG
JA2MOG	DO4DXA		W3ICM	PJ2/K8ND	K5HK
JJ2PIK	EA5AT	106	W4IR	PY2DS	K6UM
JK1MZT	EA7QW	AA4FL	W5JAY	R6YY	K7TJR
K1EP	FG8OJ	AE2U	W5KI	RA6AF	K9EA
K1XM	G4AKY	DJ6OZ	W8OP	RD4WM	KA2BZS
K2KQ	G4RGK	DL2NOM	WA4MYO	SP5JXK	KH6KG/W5
K2MK	I5IHE	DL3JSW	WA6TLA	UA6LCN	KI0KB
K4SAF	IT9XTP	DL6JZ	YL2GN	UR1RWX	KW0A
K4WY	JA5EY	EA1CP	YU3EF	UR2RGN	LZ2XF
K4YJ	JA6OXT	EA3CCN		VE1PZ	N3ER
K6UT	JA8JTH	HA8DZ	105	VR2MY	N3TR
K8OM	JH9DRL	IW3GJF	DF2PI	VY2ZM	N4GU
KM8AM	JR1BAS	JA1VLK	DF8AA	W1LE	N4TTE
KN4JX	K0MD	JA2MNB	DJ3XD	W1LY	N6PF
KX2A	K1TZQ	JE6IGP	DJ6KH	W1MRH	N6WM
KZ1W	K3SW	JG3HBO	DL4ZAB	W4OWY	N8MZ
LU2DKT	K3YBN	JG5RVQ	DL6XK	W6FF	N9DR
LZ3YY	K4MS	JH2KKW	DO1CTL	WQ5W	NJ9C
N4MEC	K8LBT	JH6PFY	ES1GO	YU1NR	NN3Q
N6RFM	K8ZR	JJ0NCC	G3YUV		OH4UI
N9SF	KB9DAK	JR0EQQ	HA8FW	104	PA0GMM
N9TF	KE2R	K0DEW	JA1BWA	9M2AX	RA1QX
NU4Y	N2RR	K1PX	JA1TAA	AD1C	RU3UR
PA0ZH	N3DAP	K4DSE	JA4EVN	AG4Q	RZ6DX
R5FY	N4RF	K5AM	JA6VA	AH0U	RZ6LB
R7LA	N6EE	K5ZQ	JA7BME	CP8HD	SM5CCE
RA1OHX	N8AGU	K8JJC	JA8RRF	CX3CE	SM7CQY
RX6DX	N9PGG	KD9HL	JA9APM	DK3BK	SO5AS
S57J	NA5Q	KK8X	JF1RYU	DL4FAP	UA9FGJ
SM6AOU	NE1F	KK9H	JF2VAX	DL7UPN	US5CAO
UX7UN	OE1CP	KQ3F	JO4CFV	E73D	UT4EK
UZ6LWZ	OK2BUZ	N0JZ	K1DJ	EA8ZS	UT7EC
W2UB	OK3CQR	N2CW	K2XF	EI9E	UX4UM
W3NRJ	R0FA	N2SQW	K5AV	F6AJA	UY0MM
W4ZYT	RN4AA	N3XM	K6DJ	F8GB	VE3VHB
W7ACD	RV6ARZ	N8AID	K7OX	G3BRD	W0YBS
W8IW	SP3BQD	NA5Z	K7PO	HB9CIP	W1QA
WA2ALY	SP6AXW	NI5M	K9RO	HK3O	W3DRY
WA8MOA	US5CB	NS3L	KI5T	IK0DWN	W3TMZ
WB8BZK	VE3OI	OE5CSP	KT2E	IZ4MJP	W5BK
WC1M	VK3NX	OH2OT	LZ1JZ	JA1JAT	W5CWQ
WC6DX	W3KB	OK1AYU	N2DPF	JA1SDV	W5GJ
WD9EQU	W4MAY	OK2BVG	N4JI	JA2FGL	W5ZO

W6PH	OK3BRK	K3KG	101	KQ1F	WA3PTF
W7DR	OZ7JZ	K4AQQ	AA2VG	KS4XQ	WB3HLH
WA0I	R9GM	K4KAY	AA3LX	LA2GV	WC4H
WA9ETW	RA0FA	K5ZO	AA4NU	LZ1XZ	WK9U
YC0LOW	RA4HT	K7BHM	AC2AC	N0STL	WR2G
YO5ODE	RK3QY	K7UA	AC5O	N2AJ	WV9L
103	RU3OW	K8BHZ	CT1JGA	N5AQ	YO2OXD
AG1I	SM3CBR	KJ6NZ	D44BC	N8AG	YO6BHN
AI3Q	SM6EHY	KN4KL	DH2FW	N9JCS	YV4DYJ
DJ1MM	SM7BHH	KW4BY	DK9WI	NX2X	ZS1J
DJ3GZ	UA3PFN	KY6R	DL1KS	OA4TT	100
DJ7PI	US2WU	LA3ANA	DL3ANK	OE3WQB	9M6YBG
DL2HX	UT2AB	LA6UL	DL5JS	OH3TY	A41ZZ
DL8YRM	VA2ZO	N5RZ	DM3ML	OK1PGF	AA4AK
DM5TI	VA3IC	OH2EA	EA1WX	OK2BOB	AA4UC
DS3HWS	VE3EDY	OK1DTN	EU1TT	OK3EY	AB4VV
EA7SG	VE3MFA	OK1JDX	G3ZFC	OK4MM	AC4VM
EU6MM	VE3VV	OK3CSQ	G4FJK	ON4LG	AI2S
EW3LB	W0QC	PA7TWO	GM3WTA	PA4WM	DJ6OI
G3BDQ	W0UVC	PV8ABC	HB9NL	RA3AH	DK8MM
G3OIL	W1CTN	PY2DO	IK5ZUK	RA4P	DL1TPY
G4AAW	W4AVY	R2AB	IV3GOW	RA4SD	DL1TRK
G4PUQ	W4MZ	R3IS	IV3KCB	RB7GG	DU7ET
G4VGO	W5THT	RU3UN	JA1VVX	RK9F	EA2AAZ
I0OSI	W5VU	S59DJK	JA2VMU	RY6M	EA3ALD
JA2GQO	W6SZN	SM6WET	JA6TMU	SM2DMU	EA8AXT
JA2OLJ	YO7APA	SP5MXZ	JA7SFD	SM7NDX	EC5A
JA3FHL	102	T77V	JE1PHH	SP7JLH	EI3ISB
JA8EJO	A6/RV6LNA	UA1AIR	JF1RPZ	SV1PL	ES5NC
JE1SYN	CT4BD	UA1CKC	JH3HGH	UA0FDX	FM5GU
JH1DGQ	DK3QM	UA6HOF	JH3PRR	UG6GAW	G0VXE
JM2RUV	DL3DXX	UA9MR	JH7BKN	UR5WIF	G4CGG
K0EOO	DL3NCR	UA9UCO	JI3KDH	UR7CQ	GM3ZSP
K2UVV	DL4CW	UW7CN	K0LW	UT1CC	I2VGW
K4LQ	DL4KUG	VE2FYR	K1YR	UT4IS	IK0HFO
K5JUC	DL5RDI	W0JMP	K2BX	UT7HA	IK4MSV
K7BTW	EA8AKN	W1AW	K3SEW	VE2OJ	IS0/YO3RA
K8CCV	EI4DQ	W1PV	K4NNX	VE3ARF	IT9CVO
K9MUG	EI6GF	W2LW	K5DNL	VE3XB	IW0BYL
K9XJ	ES5RW	W2TX	K5WE	VK2GR	JA1BRK
KE1IU	F6BWO	W3EKT	K6AAW	W1FC	JA1CPU
KJ4R	FM5WD	W4ALF	K6XJ	W1GF	JA1ILA
KJ7WY	HB9AHL	W4KK	K7AR	W2SF	JA4FSH
KM9E	I8LWL	W5TO	K7IA	W3WH	JA5DQH
LX1DA	IT9SFT	W7IUU	K8BN	W4BUE	JA9CGW
N0RU	JA0HXV	WA0IDK	K9JU	W4PM	JF3DRI
N1HOQ	JA8OW	WA1S	K9PG	W5RF	JS6TWW
N9BBQ	K0YN	WD8DSB	KC4PX	W7AV	K0LB
NU1T	K1PTF	WS4Y	KD3UY	W7CB	K0XM
OH3GD	K2LP	WW5G	KE1VT	W8GB	K1NA
OK1DQT	K2TER	YO2CMI	KE4S	W9MAF	K1NZ
OK2BQU	K2TK	YO2IS	KF7NN	W9ZCL	K2CBI
			KN6J	WA3EKL	

K2CYE	PA0INA
K3TZV	PA7RA
K4FT	PY7DJ
K4KGG	R3PJN
K4KSY	R9JX
K4QS	RA3SD
K4UQC	RA4LW
K7VIC	RA6XB
K8BZ	RC2A
K8CR	RN1A
K8CS	RT5A
K8LE	RU3GF
K9NZ	S53MJ
KB0EL	S59SV
KB1HY	SM0CXU
KC0V	SV1VJ
KC4D	SV2DSJ
KC5LT	TI5CDA
KD8BZY	UA3AKI
KP4N	UA4PAY
KQ5M	UA6CEY
LA8W	UN6P
LU5OM	UR4CW
LU5YF	UR4LRG
MM0SJH	UR8IDX
N0AH	VE1RGB
N0ATQ	VE3OAT
N1KI	VE7JKZ
N1MD	VP2VA
N2SG	VR2PX
N2XQM	W0GYH
N3AF	W0MU
N4CRI	W1AN
N4ZR	W1YRC
N7DED	W2CCC
N7TK	W3BBO
N8IL	W4HHN
N8NB	W4OEP
N8OQ	W4OV
N9ADG	W6WA
NA6O	W7DT
NB3R	W7JET
NG7A	W8CNL
NJ3I	W8FN
NN4SS	W8GDQ
OE5JDL	WB4SON
OK1DXD	WB8TGY
OK2PAZ	WU2M
ON4ANN	YB1TJ
ON7EH	YL2SM
ON7GB	YO9FLD
ON9CC	ZP9MCE
OZ1ZD	