

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

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 CT1EKY 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 EI7BA K4XP RW0LT SP5DIR SV8BHN YO5BRZ
293 N0TB S58T	285 G4CCZ HB9BGV UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU DL1DUL DL2OE OH1LEU SP6CIK	264 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 LA3MHA OE5KE	262 G0DQS IK5HHA KR9U N5KD W1YY
290 UA3AKO			269 K6ND KD5M RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS

NO8D SP1S	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 WA7NB 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
258 KW9A N2NL RN3CT VE3QAA	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
257 K1GUN N8TR W9YSX	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
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF	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
255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI	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
254 N0AT OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN YO9HP			
253 5B4AGN AA1QD K5ESW				

229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	SP8NR VA5DX W7KW	JA2FBY JA2FJP JF3KON KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	IZ8VYU JA2JW K4NA LA4GHA OK1DX RN7G W4NL	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO WP4U
228 AF9H AI0O E72A K4HB N2WK OH2BEN UW5ZM VE3DZ WB6RSE	224 IZ1LBG MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ	218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST 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	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX	217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY K4MQG K8ZH KE9I KG6I N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS
226 DL5WW I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR 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	221 JA2WYN K4MWB K8SIX N6VR W1ZK W6JRY WS6X	215 AD5A IZ8FWN JH0INP K3JGJ N7JW RA1QD W0UO W2LK W6YI	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW
	220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN VE3EXY	214 DL7BA HL3IUA		
	219 IK3VUU			

KA9FOX LA7HJA W8UN WB8ZRL	WA2HZO ZL3IX	RZ6FA UA0SC UT5EL W0FS XE2X	K4ODL N5LZ N9EN PA0LOU RN1ON UA0CA W9MU WA2VYA	188 AA1ON AB4IQ CT1FMX JA1KQX KB0EO KB1EFS KE9ET KL0S N8LJ RM0F W6SR W8JV WA3C WA6YEE
204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A N4NX N4QS N7FU UA0SR US6EX W2HUV WD8PKF WF4U W18A	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP W0MHK W2IRT W5TCX	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 AA5AM JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG LA5YJ RW4NN RW7M UY0ZG W0DD W1NT W3GG	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 DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV K9YY LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA	194 K4KDX K9JF KB9LIE KC9ARR LA7AFA SM7GIB W2LO W4FC WD8JJA WN6W	190 IZ8XQC JA1DUH JA1MCU K0BBC K2TE K9KU KM1D N4XU N5GH SP2LNW VE7VV WE9R	185 AB6QM CT1EAV EA6BF G3KWK IK3SWB JA2LCP K5ZD LA3WAA N4TJ N5UR OE2BZL SP3FAR SV1DPI UA9CBO
	198 DL1ROJ G3UJE G4BUE IT9JNR RX3APM W8HB	193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC	189 9A2F EA8PP FM5CD JA0VSH SP7HOV UA7T	184 HA5WA JA2ZL JF1NZW K4HGX

K5KLA	K8WK	N7IR	WC4X	KR4F
KB4ET	N2PK	N7XR		N4QQ
S57AC	OK1MG	PE1L	171	N8BJQ
US8UA	S57UN	SP1MGM	AA9D	PA7F
W2YJ	SM4DDE	TF3SG	DL6KR	SP5GH
	SV3FUP	VE3FF	G0EHO	W4SVO
183	W8KEN	W8HC	HA9PP	W6VX
CT3MD		WX0V	JA6HUG	W8OI
IT9INO	178		JR1TNE	WA0MHJ
K4CN	4Z5CX	174	K1NU	WA5YNB
K8RRT	EA3CJ	4Z5MU	LA5LJA	
K8VC	JA4MRL	JA0GJJ	N0RN	167
N9MB	K2UR	JA1PPW	N4OGW	DK5AD
NN2L	NE0U	JA2XW	N7RO	EC3A
ON6SAS	SM7DLK	JA7MOL	N9RC	EI6FR
W2FP	SV1JG	JF7DZA	RA3DNC	JA6VQA
W8NW	W6NWS	JK1OPL	SV1LK	K6KO
	W7MEM	JR6PGB	UN9L	K8NK
182	ZS1LS	K0TT	WA9PIE	K9MBQ
DJ9ON		K1KI		N0IJ
DK3UA	177	K2KA	170	N3BNA
HK3W	9H1SP	K3AJ	DJ6TK	OH2BLD
JA1SHE	AE5E	K4TR	JA6JPS	PA3C
JA3ENN	CT1GFK	K4WS	JE3ENP	RA1AOB
N3OC	IK4ADE	N1EN	JF1WPB	RN9N
UR3EO	K3WC	OE1WHC	JM1GYQ	S51EC
	K4RG	RN7F	K6ZZ	VE6WQ
181	K9NU	UA3LNM	KI5BLU	W1YW
DK3WW	SM6DHU	W8UV	N4PY	WA4LOX
JN4MMO	W2OR	W8VVG	SP3GTS	WC5N
K2EP	W5LT	WT8C	SV3KH	
LZ2ZG	W7FI		W3IP	166
VE3OSZ	WB7B	173	W9EVI	4Z1UF
W9AJ		5B4ALJ	WA3AFS	DJ4SO
	176	I1JQJ		HB9FMN
180	EU1AB	JA9TWN	169	IV3TDM
DM2DXA	I6FLD	K1NTR	IK0PEA	JA1FNA
DM3VL	JA0DET	K4XR	JA1ADT	JA9LJS
EA8JF	JA5IU	K9YC	JE2LPC	K1KA
JA2BDR	JA6BJV	KA1J	JR1IZM	K3KY
JE2URF	JA8KSF	N5FG	K1LI	K4JLD
K6SSS	JL1SAM	PY5EW	N4XX	K4PB
K7BG	K8MN		N7US	K4WA
LA9AJA	N5OK	172	UT8MM	K4ZYU
N1RR	OK1DWC	EA7TV	UY5AA	RM3DA
N4AH	RL3FA	G0BLB	W6RW	W0DJC
ON5FP	SM5FUG	G3NKC	W7Yaq	W1RR
UT2UB	W4BP	IZ5MOQ	WB3JFS	W8ILC
W1RM	W4GD	JA3FGJ		WA8TXT
W7BEM	YO7NE	JG0CQK	168	
W8TN		JG3IWL	G3MXJ	165
	175	K0DEQ	IK2EGL	DL7UCX
179	JA1CHN	K1BD	JE7JDL	F6HDH
CT1FPQ	JA9NLE	K6FG	JF2UPM	I2ZGC
IT9ELD	JS3CTQ	KJ0M	K4XD	IK0AGU
IW0SAF	K4DLI	W3JX	K5QY	JE7RJS
JR7BDQ	K5GKC	W4FQT	K8RYU	JH7CFX

K5JZ	JA1DOF	W0SZ	154	F3SG
KK4CB	JH4ALY	W1OX	3V8SF	HB9SLO
N4HB	JH4CPC	W2XL	GM3PPE	IZ3ENH
N9FN	K1USA	W3GQ	HB9BUN	JA2VQF
NY0V	K5GO	W4QN	JA8NFV	JA6BEE
RC9F	K8ND		JR3OEH	JH1NYM
SM4CTT	LB2TB	157	K0KVR	JR1XIS
SP6EQZ	N4GN	AA4H	NX8Y	K2AX
W5BN	OH6RA	AC6DD	W1NA	K2FW
	VK3HJ	DL6MRS	W2XI	KD0PO
	YU2TW	EA5BY	W5DNT	N5JB
164		G3TQZ	WB0TEV	OK1ATP
GU4YOX	160	G4GIR	WS7L	RD3A
HA7UW	AD5Q	JA1GHH	YS1RR	RU3A
HB9BZA	DK1WB	JE2DZC		S54A
JA1RTX	DL1DA	JH2QMT	153	SP7AWG
JA7ZP	IK0FUX	JH7IAJ	AA6AA	SV9AHZ
JH2SON	IW2FND	LY5A	AJ9C	W7CT
K1NJ	JA2EPW	N5MOA	DL3ZA	W7RH
N5WA	JE2OVG	NE9Z	G3TJW	WA1Z
RA3ZH	JF2XGF	RU4UR	HL2CFY	WA2BCK
RN3OG	JR7MAZ	SM3PHM	JF1IRW	WP4G
SV2AEL	K3MSB	SV8ZS	JR9OPJ	
W4DKS	NR4M	W2TA	K7SP	150
W4NS*	RU6L	W5GZ	K8VFF	EA1AF
WW3S	UA0FZ	YV2IF	KR2Q	IV3RAV
	UX5UO		N4TV	JA1SVP
163	W1BR	156	N5TW	JA2NQG
9A2JK	W5XC	AB9V	N8II	K0RS
DJ9HX	W9RN	DL4MM	R9OK	K5TR
JE2LUN	WX0B	IZ8IEV	SM6CLU	K7LV
K7NN		JO7HAM	SP5CCC	K8AJS
K8TL	159	K0QC	UT5UY	KU4XO
OK2QA	JA4FKX	K8YSE	WB8BPU	N3QE
UR4CWQ	JH6QFJ	KS1J		N9CO
VE3CFK	K4RO	N3RC	152	OE8SPW
W7AL	OK2ZV	N3UA	EW2A	SQ5EBM
	UN7JX	N7WS	JT1CO	SV1CNS
162	W3HKK	OE5RLM	KQ4AV	UA6YW
4O3A	W6BJH	UA3SAQ	KS3F	W6DAO
9A4W	W7SX	VA3LX	N9OY	WW2DX
F3AT	WD5BJT	W1YIF	S55ZZ	
HB9TKS		W4TV	UA6IGI	149
IZ4DPV	158		UN7LZ	DL7CX
JA6GIJ	DJ4PT	155	UT5AB	HB9HFN
JR5JAQ	DL1FKA	DL1RK	VE6LB	IK4FNF
LB6KC	IT9DSZ	DL4SZB	W1SKU	JL1ARF
N8MR	JA9APS	HB0CC	W1VT	K3RA
RW3RN	JH1TWT	JE3GRQ	W6RLL	K3TN
W0HT	J11FXS	K2LS	W7AJ	K4YYL
W0TT	J11NJC	NE0DX	WB3CQM	K8ME
W1LW	JR1GJP	NW7E		K8ROX
W8WEJ	K5TT	SM6VR	151	K9MK
	K9GA	WE1P	AA7G	R8TX
161	OZ1HX	ZS6EZ	CU2AP	SM6CUK
DK2GZ	RU6M		DK2OY	UW7UA
DL6RAI	SM4EMO		EI9JF	W0GG
HB9DHK				

W2/CT1GIF
W7HPW
WB8B
WD5K
WS5W
YO3DDZ

148

CT1FCX
DK2CC
F5CQ
F5LVL
G4FTC
JH1QDB
K5VWW
LA6OP
N2WB
NE3F
W5FKX
W9JJB

147

EA3GP
F5PAC
IV3VBM
JA1XQC
K7HP
K8UT
KM1H
N1IBM
PC3T
W1OP
W2KKZ

146

EU4A
JA1HQG
JA4DHN
JA5XAE
JH1GNU
K1CA
K5KV
K5SM
K6NR
K7WP
N7BT
RU0SN
W1IZL
W1ZT

145

AF4HX
HI3T
IOJBL
IZ0RVI
JE6TSP
JJ3HGJ

JK1AJX
JN1BMX
K1OA
K3VAT
K4OY
K8BL
KF6HI
N1CGP
N4GG
N5XZ
NA5C
RT0F
SM3DTR

144

CU3EQ
DL5CW
DL5KUA
E70T
EI6IZ
GM3ITN
HB9BYQ
I5MXX
IT9GSF
IV3DXW
IZ4GWE
JA3GN
JE1FQV
K0VSH
KJ9C
N1IX
N3KK
SM4OLL
SM5CLE
W4GE
W5ADD
W7ZI
W8RLS
WC5M
WD5T
YO3CD

143

DL1DUO
DL6EN
HS0ZEE
K7CMZ
K7CW
N2RJ
N2WM
N5UW
N6PAT
N6PSE
NN4R
W0IZ
W6QUV
WB8ZRV

WD9DZV

142

DF2RG
I5HOR
IT9BLB
JH0BQX
JR7WFC
K3PP
K4WZ
KK1W
LA9VFA
MM0SAJ
N2ZN
N7QT
NA4D
NQ7R
NY2NY
OK1DO
W2OO
W5LUA
W5VQ
WA5POK
WB8CQV

141

AC9S
DL5MHQ
EW1BA
HB9FMT
JA1PTJ
JA2ATE
JA9RRH
JH1HHC
JL1UXH
K2RW
N8OC
NJ3K
OE6VIE
SV3FUO
W2CG
W3BW
W4JVN
W4VIC
W4WT
W8HW
ZS1C

140

9A1CAL
JR2LJO
K5WK
K6KLY
KF8DX
N4XP
OH6NIO
ON7DR

UN1L
VE6SV
W0SEI
W4NU
W7IV
W8GNM
W8LWU
WO2T
YL2MU
YO9FNP

139

DF7EE
DJ4XA
DL5EBE
DL8OH
DS1JFY
JA1TMG
JI1DCW
K3ANS
K6AM
K8GI
K8RF
KA8SYV
KU0A
LA8WG
OH1JP
OK1MP*
SM5CBM
SV8ZC
W0SD
WA8WV

138

DK8MCT
DK8YY
EI9FBB
F6DDR
IK8EPC
JA3OOK
JF3LOP
JH7RXU
K1RO
K2RET
KJ6P
LB5WB
ON6AA
OZ8X
RW4CY
UN7JID
V51B
W1GD
W2YE
W4YV
W7OM

137

EA1YO
GM3YOR
HB9CQK
HB9RYZ
IZ2FOS
JA3APU
JA4OK
JH4JNG
K2QMF
K6EME
K8NS
LA9GX
RA3CO
RG7G
UU1JA
W1ITU
W5ODD
WB5JID

136

E72U
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HB9IQB
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JH4HMG
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K4ZO
K7TM
KR6C
OK1DW
SM5OJH
SP2BMX
UT3UZ
UW8SM
W2OIB
WB7QXU

135

5B4MF
DJ9ZB
F6FXU
IK8GYS
IU0HDC
JA7LMZ
JA8BNP
JA8JL
K1ZE
K4ZRJ
K7FL
K7XB
NZ9R
R7LP
RN3RQ
SM3LGO
SM5CZK
SP3XR

W1DIG	JA6CBG	K6SIK	SV3DCX	W8MK
W1EQ	K6YUI	K7LFY	US8UW	W8REW
W2GD	K9ZM	K8BCK	VQ9LA	W9ILY
W4BUW	N6HY	K9GL	W2WC	WB0O
W4MBD	OZ2RH	KO8SCA	W4IS	WB2REM
W4RFZ	SM4BZH	NA4EA	W6RKC	WD4LBR
W6JTI	SM6BGG	NO9E	ZS1A	YU1EXY
WE4S	SP6M	OZ2ABI	ZS6UT	
	VE3CRG	PY5EG		125
134	W4AXL	R3VA	127	9A1AD
CT3HF	W4RBO	R5QA	CT3KN	AG1A
IK4DCS	W4WM	R9AB	HK1MW	GW3TMP
JA7LGE	W5SL	RU1AO	JA1DDH	HK4SAN
K1TO	W6DR	S51NM	JA1WLO	IK5DNF
K1ZN	W7AH	SP6JIU	JA8RJE	JA4IYL
K3OX	W7CD	TA1CM	JA9KRO	JA6VU
KX4TT	W9FR	VE3DO	JH3AIU	JE1TSD
N9MR*	WB3D	W2MPK	JS2LHI	JE6UWU
N9RS	XE2S	W9ZT	K0RW	JF2WXS
NA5DX			K3TRM	JL1RUC
OE1TKW	131	129	KM3T	K1HAP
PY5HOT	DK7YY	HA1RB	N1AC	K5KG
RG6G	G3UHU	HB9AZZ	N1GC	K8DV
RX4HW	HS1NGR	JA1NWD	OE8HIK	KA6BIM
SM0BYD	IV3KFB	JA8JO	PA3EWP	KI4WCQ
SV5DKL	JA0AOO	K4TT	SK7AX	LZ1XL
UA0ACG	JA2TBS	K6XM	SP6A	N2KA
W4JKC	JH4ADK	N0YY	SP7ASZ	N3EN
YU1AM	JJ1TEA	N3KS	W0CP	N4JT
	JM1FHL	N3RR	W0RT	N9RD
133	K1UU	W0YVA	W1OPD	ND5S
9K2NO	K5VIP	W7QHE	W3BG	NW6S
EU1U	KC2LSD	W8MET	W3FOX	OE1AZS
IZ8DFO	KH2L		W3MF	RA0BA
JA7GLB	KM3V	128	XE1KK	UU7JM
JA9AGN	KM4H	AA4SC		VE3UTT
JR6FC	N3MK	DM2RM	126	W5DAW
JR7FRW	N4QWZ	IT9ZZO	DJ8WD	W8LMG
K2CDJ	N5PHT	JA2AHH	DL9FCY	W9CG*
KS4YT	N6RK	JA2KSP	F8BPN	WV4TN
KU2A	ON4ON	JA9AA	G4IUF	YO2RR
OE1KM	R0SR	JE1LFX	IZ7EVZ	
ON4CAS	R9MJ	JH4GJR	JA1XCZ	124
RA5BM	R9SA	K0FF	JA7KY	AA7XT
RV4LC	W8DCH	K3XA	JH3CUL	IK3VBB
UQ2PZ		K4JAF	JJ1DWT	J11DHY
VE3WT	130	K4SE	JN1RQV	KD4POJ
W0NFL	DF9ZW	K6LPO	K2ZD	NA2U
W2QO	E73M	KG7CW	K4JKB	PA0TCA
W5AJ	EI2JD	KM4NS	K4XU	UA0BA
	G7VJR	N5KM	LB7ZG	VA7CRZ
132	HK0HEU	OH1ZK	N8NA	VE1DUN
AA4NC	JA2FBC	OZ1IKY	OE3SGU	W2JU
AB9M	JG1DUZ	R9SG	OK3CQD	W2RIJ
AD6W	J14POR	S53X	PA5TT	W3FM
IT9RDG	K2MYR	S55DX	VE3CX	W6CYX
JA2KVD	K3NK	SM3GQP	VE7BV	

123	OZ3Y	N4BAF	XE1RCS	N8AA
AB1OC	RD4A	N4LR		N8XI
AC4TO	UU4JMG	N4TB	118	NY4G
DL7JRD	VE6AX	N4TL	5T5PA	OZ5HP
F4GTB	W2TB	N4UFP	AB2E	SM7BIC
G4WFQ	WA3I	N8PW	DL5OCE	SP8HKT
G5LP	WA7BNG	OE3EVA	JA4FHE	UA6J
HB0WR		OZ2A	JI8DGO	UB3A
IK2CHZ	121	PZ5RA	JN7DOS	UR9IDX
IK3XJP	AA6RR	RL3BZ	K3WGR	US1CT
JA0CRG	DF1DB	SP7ITB	K4CNW	VE3YF
JA1SJV	DK1EI	SV1IW	K7PI	W4ZRZ
JA3MHA	DK6CQ	UR5IKN	K8LN	W6SL
JA6WJL	HB9DHG	US0YA	K8WVA	W8ZR
JI4WAO	IK2SGB	W2YR	K9DR	WA2USA
JK1EXO	JA2HYD	W3OA	KD2T	
JR1EBE	KD8RQE	W4PRO	KD6UO	116
K2PK	KG9Z	W6RFL	KG8CW	AJ4F
K3XO	N0OK	W7RN	KV4AA	DL7URH
K4ZIN	N1JP	WT4Q	LZ2HM	EA5BRE
K5GH	N3ND	ZL4AS	N2MM	HA7PF
K7UT	N6HC		N4DJ	IK0EIE
K9CS	SV1AHX	119	PY2PA	IK2OHG
KV4T	UQ1GWW	AA3AZ	RN3TT	IT9TQH
N2ED	UT4EO	AA4DD	SV9COL	IV3HYD
N4DWK	UU2JQ	AE3T	TA2RC	JA1WTI
N6MZ	VA3AYA	AJ4A	VK4CAG	K1DC
N9JV	W0QQ	DK3GG	W1KSZ	K1RI
N9LQ	W2GG	EW4M	W4DAO	K9FN
NA2P	W3RJW	G4DJJ	W4NJ	KT1V
NA9RB	W6XI	HB9AAQ	W5JMW	KV1J
S50B	W9XX	HB9BCI	W9FI	NA9Q
UA3DK	W9YE	I2TZK	WX3P	OZ1LCG
UR9QQ	WA1PMA	I4MKN	YO4AUL	PA0JSE
UT3QU	WY1G	IU0LFQ		RV3ID
W1AO	XE1VIC	JA3AZD	117	TZ4AM
W4NF		JA4XGC	9Y4VU	UA4PCM
W8NJR	120	JE2JMV	AA8CH	W1ENE
WB8K	9A5F	JH6CDI	AE0P	W1WEF
XE1H	AA5JF	K3FRK	BH4IGO	W7GG
	AC9EM	K5UZ	DL1DWT	W7OEV
122	AL7TC	K7EG	G3PLP	W8LRO
BA4RF	DL2VWR	K8KWT	IT9AAI	WQ5L
G3NDC	EI2GLB	K9SG	IT9DAA	
JA1MRM	FG5FR	N0KV	JA1HQT	115
JH1AGU	HB9BLQ	N9UA	JA4FM	C6AGU
K1BZ	IZ0LKV	NT2A	JA7GYF	CU2CE
K1ESE	IZ5NFD	NY7T	JA7IC	DL9GOA
K1YT	JA4EPE	OH5NG	JM3GXU	G4XEE
K2MP	JR3UIC	OK1DT	JR2UBS	G8BCG
K7ZA	JR6LLN	R6FFB	K2BB	G8DX
KR0P	K2BA	SV1ACK	K6PJ	HA5UK
LA7WCA	K2HK	W0RX	K8OOK	HK3PJ
LA8PT	K3QIA	W4HZ	K8QM	IW0HEX
N3NR	K5JC	W8FIB	N2BJ	IZ7JVR
N9AW	K6FW	WC2K	N4IR	JA2KNW
NN7X	KA8ZPE	WP3R	N6MB	JA3NHL

JA5FDJ	WA1FCN	112	DG7RO	IZ0CKJ
JG3LGD	WA4CEM	A92IO	DK2WH	J68HZ
JH1RFM	WA8MCD	DJ1RL	DK6ED	JA7EPO
K0GD	WA9YYY	DK5RL	DL1HRN	JE2UFF
K0SD	WN9O	DL5CL	EV1R	JH1VHU
K4CMS	XE3ARV	EA1JO	F6ECI	K2BLA
K4GHS		EI8IU	G4DBN	K3JRR
K4GK	113	EW1DO	HL3GOB	K3PH
K5XM	9A1A	G3XGC	JA1AUD	K4WW
K8YTO	DJ5DT	HB9CEX	JA1FGB	K6MI
LY4T	DJ9RR	HB9CRV	JA1NCZ	K6VKO
N0IRM	DL8CM	HB9G	JE2EHP	KB4MRX
N4OA	DL8DYL	IK2ANI	JE8TGI	KC2STA
N5BO	G4AFJ	IU8FRE	JF2WGN	LZ1PM
N8KOL	HB9EFK	IZ4DIW	K0FLY	N2CG
PA3AXU	JA0GCI	JA1SXR	K5WAF	N3HBX
RZ6MJ	JA1OVD	JA4BXL	K7ORK	N3IQ
UA1ANA	JA4ITW	JA7BXS	K9AJ	N3JB
UA1CGS	JH1ORA	JR7TEQ	KM1R	N4KE
UA6XT	JH3GCN	K0JPL	KZ0X	NC6K
UN6T	K0TPP	K1EDG	LA0CX	NK7C
W4UCK	K2HAT	K1EO	N4WJ	NY4I
YL2CZ	K8SL	K1KO	N7BD	RD9M
	K9GWH	K4UAS	N9HF	SM5BHW
114	KA4RRU	K8CC	NA1DX	SP9WZS
AB4GE	KH6DX	KB2FCV	UR6QA	SV1VS
BA4DW	KI0G	KI4DLS	UT1UY	UA3O
BA7IO	KT1J	KM1C	VE6KC	US7MM
CT3FN	N7KO	LA8HGA	VE7CT	W0UY
CU3AK	N9ISN	N5ZC	VE7UF	W3XY
DL6NB	NA3F	N6MA	W0VHF	W4DC
F6CWA	NG0G	N6PE	W1FO	W4NE
G3SDL	NI5F	RU4SU	W4HOG	W5ZPA
HP3TA	NK5B	SM3DMP	W4OX	W6KK
I5OYY	ON5UE	UA1ACG	W5AQ	WL7E
IK7YZG	R7NA	UA1CEI	W7VS	XE1FAS
JA4KDT	RA4UN	UT6UD	W8KA	YU7AU
JA5WIZ	RZ3AUL	VE7XF	W8MIL	ZL3NW
JH6WMJ	SM5ARL	W1HEO	W9RB	
K1RV	SP3EPG	W2CVW	WA2BOT	109
K2DC	SV1FKZ	W2SKI	WA2MUA	DF1KG
K3MD	SV1JFV	W3MR	WB4TDH	EA3GHZ
K3NF	SV2AVP	W3UL	WB9EEE	EU4T
K3OSX	UN7TW	W4VHF	YL3DQ	F8EZE
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K5RJ	W2GW	W6TC		JA2CXF
KB8U	W6BK	W8GEX	110	K2ONP
KZ4V	W8FAX	W8HMK	BA4MY	K4RDU
N1QY	W9DX	W9SE	DL1VDL	K5FZ
N2JJ	W9HBH	WA8OLN	EA5BYP	K5KA
N3MN	W9VNE	WT9U	F5BAR	K5KPE
N4IQ	WA4DOU	ZP6CW	G3LNS	K6MW
NU8Z	WB2HJV		G8AJM	KE1F
UA3FT	WB2UFF	111	HC1BI	KZ5DX
W0VX	WS4C	AA4U	I2BBJ	N1BZ
W4TUN	XE1RBV	AF4OX	IK5RUN	N2WLG
W5VY	ZL1BYZ	CU3AN	IK8UHA	N7TY

N8NN	W2UB	VE3OI	S57AL	N7DR
ND4V	W3NRJ	VK3NX	UR3CRO	ON7PQ
NN4RR	W4ZYT	W3KB	UT7UU	OZ4AAL
NU4I	W7ACD	W6TDX	UU5WW	PF7M
NX7U	WA2ALY	W8IW	V73AZ	PJ2/K8ND
PY5CC	WA8MOA	W8VK	VQ9SS	PY2DS
RW4UU	WB8BZK	W9CPV	W1CWU	R6YY
RW9QA	WC1M	WB6CJT	W2EQ	RA6AF
RX3AGD	WC6DX	WB8ART	W2LE	RD4WM
TG9NX	WD9EQU	WS1L	W2NO	SP5JXK
UB5ZAL	WW1WW	XE2YWH	W3ICM	UA6LCN
UT7KF		YL1XZ	W4IR	UR1RWX
VU2CPL	107	ZL3RJ	W5JAY	UR2RGN
W5WP	4Z5LA		W8OP	VE1PZ
WB5TUF	DJ8ES	106	WA4MYO	VR2MY
WN0L	DK3FB	AA4FL	WA6TLA	VY2ZM
YV3AGT	DL1QQ	AE2U	YL2GN	W1LE
	DL2CHN	DJ6OZ	YU3EF	W1LY
108	DL5XU	DL2NOM		W4OWY
AI2Q	DO4DXA	DL3JSW	105	W5KI
AL7R	EA5AT	DL6JZ	DF2PI	W6FF
DL6CNG	EA7QW	EA3CCN	DF8AA	WQ5W
ER1LW	FG8OJ	HA8DZ	DJ3XD	YU1NR
G3VAO	G4AKY	IK0ZIO	DJ6KH	
HB9BAT	G4RGK	IW3GJF	DL4ZAB	104
HB9FAN	HI8R	JA1VLK	DL6XK	9K2OD
IK0PRG	I5IHE	JA2MNB	DO1CTL	9M2AX
IZ0BTV	IT9XTP	JE6IGP	ES1GO	AD1C
IZ2EWR	JA5EY	JG3HBO	G3YUV	AG4Q
JA2MOG	JA6OXT	JG5RVQ	HA8FW	AH0U
JJ2PIK	JA8JTH	JH2KKW	JA1BWA	CP8HD
JK1MZT	JH9DRL	JH6PFY	JA1TAA	CX3CE
K1EP	JR1BAS	JJ0NCC	JA4EVN	DK3BK
K1XM	K0MD	JR0EQQ	JA6VA	DL4FAP
K2CJ	K3SW	K0DEW	JA7BME	DL7UPN
K2KQ	K3YBN	K1PX	JA8RRF	E73D
K2MK	K4SAF	K4DSE	JA9APM	EA8ZS
K4WY	K8LBT	K5AM	JF1RYU	EI9E
K4YJ	K8ZR	K5ZQ	JO4CFV	F6AJA
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K8OM	KE2R	KD9HL	K2XF	G3BRD
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KN4JX	N2RR	KK9H	K5AV	HK3O
LU2DKT	N3DAP	KP4AA	K7OX	IK0DWN
N4MEC	N4RF	KQ3F	K7PO	JA1SDV
N6RFM	N6EE	N0JZ	K9RO	JA2FGL
N9SF	N8AGU	N2CW	KI5T	JF1EGO
N9TF	NA5Q	N2SQW	KT2E	JF6WTY
NU4Y	OE1CP	N3XM	KX2A	JK1BSM
PA0ZH	OK2BUZ	N8AID	LZ1JZ	JO1WXO
R5FY	OK3CQR	NA5Z	N2DPF	K0WK
R7LA	R0FA	NI5M	N4JI	K1BG
RX6DX	RN4AA	NS3L	N4NW	K3FM
S57J	RV6ARZ	OE5CSP	N4PL	K4KEW
SM6AOU	SP3BQD	OH2OT	N4SC	K4MF
UX7UN	SP6AXW	OK1AYU	N4VN	K4VIG
UZ6LWZ	US5CB	OK2BVG	N6NU	K5HK

K6UM	DM5TI	W0QC	PY2DO	JA7SFD
K7TJR	DS3HWS	W0UVC	R2AB	JF1RPZ
K9EA	EA7SG	W1CTN	R3IS	JH3HGH
KA2BZS	EU6MM	W4AVY	RU3UN	JH3PRR
KH6KG/W5	EW3LB	W4MZ	S59DJK	JI3KDH
KI0KB	G3BDQ	W5THT	SM6WET	K0LW
KW0A	G4AAW	W5VU	SP5MXZ	K1YR
LZ2XF	G4PUQ	W6SZN	T77V	K2BX
N3ER	G4VGO	YO7APA	UA1AIR	K2TER
N3TR	I0OSI		UA1CKC	K3SEW
N4GU	JA2GQO	102	UA6HOF	K4NNX
N4TTE	JA2OLJ	A6/RV6LNA	UA9MR	K5DNL
N6PF	JA3FHL	CT4BD	UA9UCO	K6AAW
N6WM	JA8EJO	DK3QM	UW7CN	K6XJ
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ND3L	K0EOO	DL4KUG	W1PV	K9JU
NJ9C	K2UVV	DL5RDI	W2LW	K9PG
NN3Q	K4LQ	EA8AKN	W2TX	KC4PX
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RU3UR	K7BTW	EI6GF	W4ALF	KE1VT
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SM5CCE	K9XJ	FM5WD	WA0IDK	KN6J
SM7CQY	KE1IU	HB9AHL	WA1S	KQ1F
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US5CAO	KM9E	IZ4MJP	WW5G	LA6UL
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UY0MM	N9BBQ	K0YN	101	N5AQ
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YO5ODE	SM6EHY	KY6R	EU1TT	RA4P
	SM7BHH	LA3ANA	G3ZFC	RA4SD
103	UA3PFN	N5RZ	G4FJK	RB7GG
AG1I	US2WU	NZ3M	GM3WTA	RK9F
AI3Q	UT2AB	OH2EA	HB9NL	RY6M
DJ1MM	VA2ZO	OK1DTN	IV3GOW	SM2DMU
DJ3GZ	VA3IC	OK1JDX	IV3KCB	SM7NDX
DJ7PI	VE3EDY	OK3CSQ	JA1VVX	SP7JLH
DL2HX	VE3MFA	PA7TWO	JA2VMU	SV1PL
DL8YRM	VE3VV	PV8ABC	JA6TMU	UA0FDX

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UT7HA	JA1CPU	NN4SS	YO9FLD
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VE3XB	JA4FSH	OK1DXD	ZS2DL
VK2GR	JA5DQH	OK2PAZ	
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W1FC	JF3DRI	ON7EH	
W1GF	JH7BKN	ON7GB	
W2SF	JS6TWW	ON9CC	
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W4BUE	K0XM	PA0INA	
W4PM	K1NA	PA7RA	
W5RF	K1NZ	R3PJN	
W7AV	K1TZQ	R9JX	
W7CB	K2CBI	RA3SD	
W8GB	K2CYE	RA4LW	
W9MAF	K3TZV	RA6XB	
W9ZCL	K4FT	RC2A	
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WB3HLH	K4QS	RT5A	
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WR2G	K8BZ	S59SV	
WV9L	K8CR	SV1VJ	
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	KB0EL	UA4PAY	
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AB4VV	KP4N	UR8IDX	
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DJ6OI	LU5OM	VE7JKZ	
DL1TPY	LU5YF	VP2VA	
DL1TRK	LZ3YY	VR2PX	
DL9GTB	MM0SJH	W0GYH	
DU7ET	N0AH	W0MU	
EA1CP	N0ATQ	W1AN	
EA2AAZ	N1KI	W1YRC	
EA3ALD	N1MD	W2CCC	
EA8AXT	N2SG	W3BBO	
EC5A	N2XQM	W4HHN	
ES5NC	N3AF	W4MAY	
FM5GU	N4CRI	W4OEP	
G0VXE	N4ZR	W4OV	
G3OIL	N7DED	W5BK	
G4CGG	N7TK	W7DT	
GM3ZSP	N8IL	W7JET	
I2VGW	N8NB	W8CNL	
IK0HFO	N8OQ	W8FN	
IK4MSV	N9ADG	W8GDQ	