

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

297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS	289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	N9IW OK1AWZ VE2TZT	268 DL5DSM G3WPH K8PT RA3XDX SP9JZU W1MK
296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ	288 CT1APE HB9BGV 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 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 UX1AA	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	265 AA4V AA6YQ AA7A EI7BA K4XP RW0LT SP5DIR SV8BHN W1GL YO5BRZ
293 JH4UYB N0TB S58T	285 G4CCZ UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU DL1DUL DL2OE OH1LEU SP6CIK	264 IK2YCW K7ZV
292 G4BWP JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP
291 9A7V I5NPH IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR	270 AA1V 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 JR3GWZ K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	EA6VQ JH4ADV K3SWZ 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 K0KT K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK UW5ZM	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 IZ1LBG JA0DAI RA0FF VO1HP W3LL	233 DJ5FI K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO
257 K1GUN N8TR W9YSX	250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG IK0MHR ON4ATW S57A SV8CKM W9RPM WX4G	237 DL7MAE IW1ARB NI0G OM4EX UR5EDX	232 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	236 AB4I AC4G K1JO K5EK 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		230 DF6PB JA1CMD KD0Q N8JV SM3NXS
254 N0AT OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN YO9HP			
253 5B4AGN AA1QD K5ESW			235 CX6VM	

W4GF W4VQ	SP3CGK SP8NR VA5DX W7KW	219 IK3VUU JA2FBY JA2FJP JF3KON KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA LA4GHA LA7JO OK1DX RN7G W4NL	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO WP4U
229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T	224 MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ	218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
228 AF9H AI0O E72A K4HB N2WK OH2BEN VE3DZ WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO UR5FEO 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
227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF	222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR N8PR N9BX SM0CCM	216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG		206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW
226 DL5WW I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	221 JA2WYN JJ3PRT K4MWB K8SIX N6VR W1ZK W6JRY WS6X	215 AD5A IZ8FWN JH0INP K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 EA1RT IK4DRR JA4DEN K3WA RU3SD WA5VGI	
225 A45XR JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ	220 AG8B DK2NG HB9LCW HL5IVL JR4OZR KA1R N1LN VE3EXY		210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW

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 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 JA0EOK JA1EOD JH1QAX JN7FAH K3PA K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	191 CT3MD 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 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 CT1IUA DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA1XEC	189 9A2F EA8PP FM5CD JA0VSH SP7HOV UA7T	184 HA5WA JA2ZL JF1NZW K4HGX

K5KLA	K0TT	LA5LJA	WC4X	N4QQ
KB4ET	K8WK	N7IR		N8BJQ
S57AC	N2PK	N7XR	171	PA7F
US8UA	OK1MG	PE1L	AA9D	SP5GH
W2YJ	S57UN	SP1MGM	DL6KR	W4SVO
	SM4DDE	TF3SG	G0EHO	W6VX
183	SV3FUP	VE3FF	HA9PP	W8OI
IT9INO	W8KEN	W8HC	JA6HUG	WA0MHJ
K4CN		WX0V	JR1TNE	WA5YNB
K8RRT	178		K1NU	
K8VC	4Z5CX	174	N0RN	167
N9MB	EA3CJ	4Z5MU	N4OGW	DK5AD
NN2L	JA4MRL	JA0GJJ	N7RO	EC3A
ON6SAS	K2UR	JA1PPW	N9RC	EI6FR
W2FP	NE0U	JA2XW	RA3DNC	JA6VQA
W8NW	SM7DLK	JA7MOL	SV1LK	K6KO
	SV1JG	JF7DZA	UN9L	K8NK
182	W6NWS	JK1OPL	WA9PIE	K9MBQ
DJ9ON	W7MEM	JR6PGB		N0IJ
DK3UA	ZS1LS	K1KI	170	N3BNA
HK3W		K2KA	DJ6TK	OH2BLD
JA1SHE	177	K3AJ	JA6JPS	PA3C
JA3ENN	9H1SP	K4TR	JE3ENP	RA1AOB
N3OC	AE5E	K4WS	JF1WPB	RN9N
UR3EO	CT1GFK	N1EN	JM1GYQ	S51EC
	IK4ADE	OE1WHC	K6ZZ	VE6WQ
181	K3WC	RN7F	KI5BLU	W1YW
DK3WW	K4RG	UA3LNM	N4PY	WA4LOX
JA2BDR	K9NU	W8UV	SP3GTS	WC5N
JN4MMO	SM6DHU	W8VVG	SV3KH	
K2EP	W2OR	WT8C	W3IP	166
LZ2ZG	W5LT		W9EVI	4Z1UF
VE3OSZ	W7FI	173	WA3AFS	DJ4SO
W9AJ	WB7B	5B4ALJ		HB9FMN
		I1JQJ	169	IV3TDM
180	176	JA9TWN	IK0PEA	JA1FNA
DM2DXA	EU1AB	JG0CQK	JA1ADT	JA9LJS
DM3VL	I6FLD	K1NTR	JE2LPC	K1KA
EA8JF	JA0DET	K4XR	JR1IZM	K3KY
JE2URF	JA5IU	K9YC	K1LI	K4JLD
K6SSS	JA6BJV	KA1J	N4XX	K4PB
K7BG	JA8KSF	N5FG	N7US	K4WA
LA9AJA	JL1SAM	PY5EW	UT8MM	K4ZYU
N1RR	K8MN		UY5AA	RM3DA
N4AH	N5OK	172	W6RW	W0DJC
ON5FP	OK1DWC	EA7TV	W7Yaq	W1RR
UT2UB	RL3FA	G0BLB	WB3JFS	W8ILC
W1RM	SM5FUG	G3NKC		WA8TXT
W7BEM	W4BP	IZ5MOQ	168	
W8TN	W4GD	JA3FGJ	G3MXJ	165
	YO7NE	JG3IWL	IK2EGL	DL7UCX
179	175	K0DEQ	JE7JDL	F6HDH
CT1FPQ	JA1CHN	K1BD	JF2UPM	I2ZGC
IT9ELD	JS3CTQ	K6FG	K4XD	IK0AGU
IW0SAF	K4DLI	KJ0M	K5QY	JE7RJS
JA9NLE	K5GKC	W3JX	K8RYU	JH7CFX
JR7BDQ		W4FQT	KR4F	K5JZ

KK4CB	JH4ALY	W1OX	154	EI9JF
N4HB	JH4CPC	W2XL	3V8SF	F3SG
N9FN	K1USA	W3GQ	GM3PPE	HB9SLO
NY0V	K5GO	W4QN	HB9BUN	JA2VQF
RC9F	K8ND		JA8NFV	JA6BEE
SM4CTT	LB2TB	157	JR3OEH	JH1NYM
SP6EQZ	N4GN	AA4H	K0KVR	JR1XIS
W5BN	OH6RA	AC6DD	KR2Q	K2AX
	VK3HJ	DL6MRS	NX8Y	K2FW
	YU2TW	EA5BY	W1NA	KD0PO
164		G3TQZ	W5DNT	N5JB
GU4YOX	160	G4GIR	WB0TEV	OK1ATP
HA7UW	AD5Q	JA1GHH	WS7L	RD3A
HB9BZA	DK1WB	JE2DZC	YS1RR	RU3A
JA1RTX	DL1DA	JH2QMT		S54A
JA7ZP	IK0FUX	JH7IAJ	153	SP7AWG
JH2SON	IW2FND	LY5A	AA6AA	SV9AHZ
K1NJ	JA2EPW	N5MOA	AJ9C	W7CT
N5WA	JE2OVG	NE9Z	DF2RG	W7RH
RA3ZH	JF2XGF	RU4UR	DL3ZA	WA1Z
RN3OG	JR7MAZ	SM3PHM	G3TJW	WA2BCK
SV2AEL	K3MSB	SV8ZS	HL2CFY	WP4G
W4DKS	NR4M	W2TA	IZ3ENH	
W4NS*	RU6L	W5GZ	JF1IRW	150
WW3S	UA0FZ	YV2IF	JR9OPJ	EA1AF
	UX5UO		K7SP	IV3RAV
163	W1BR	156	K8VFX	JA1SVP
9A2JK	W5XC	AB9V	N4TV	JA2NQG
DJ9HX	W9RN	DL4MM	N5TW	K0RS
JE2LUN	WX0B	IZ8IEV	N8II	K5TR
K7NN		JO7HAM	R9OK	K7LV
K8TL	159	K0QC	SM6CLU	K8AJS
OK2QA	JA4FKX	K8YSE	SP5CCC	KU4XO
UR4CWQ	JH6QFJ	KS1J	UT5UY	N3QE
VE3CFK	K4RO	N3RC	WB8BPU	N9CO
W7AL	OK2ZV	N3UA		OE8SPW
	UN7JX	N7WS	152	SQ5EBM
162	W3HKK	OE5RLM	EW2A	SV1CNS
4O3A	W6BJH	UA3SAQ	JT1CO	UA6YW
9A4W	W7SX	VA3LX	KQ4AV	W6DAO
F3AT	WD5BJT	W1YIF	KS3F	WW2DX
HB9TKS		W4TV	N9OY	
IZ4DPV	158		S55ZZ	149
JA6GIJ	DJ4PT	155	UA6IGI	DL7CX
JR5JAQ	DL1FKA	DL1RK	UN7LZ	HB9HFN
LB6KC	IT9DSZ	DL4SZB	UT5AB	IK4FNF
N8MR	JA9APS	HB0CC	VE6LB	JL1ARF
RW3RN	JH1TWT	JE3GRQ	W1SKU	K3RA
W0HT	J11FXS	K2LS	W1VT	K3TN
W0TT	J11NJC	NE0DX	W6RLL	K4YYL
W1LW	JR1GJP	NW7E	W7AJ	K8ME
W8WEJ	K5TT	SM6VR	WB3CQM	K8ROX
	K9GA	W2XI		K9MK
161	OZ1HX	WE1P	151	R8TX
DK2GZ	RU6M	ZS6EZ	AA7G	SM6CUK
DL6RAI	SM4EMO		CU2AP	UW7UA
HB9DHK	W0SZ		DK2OY	W0GG
JA1DOF				

W2/CT1GIF
W7HPW
WB8B
WD5K
WS5W
YO3DDZ

148

CT1FCX
DK2CC
F5CQ
F5LVL
G4FTC
JH1QDB
K5VWW
LA6OP
N2WB
N5XZ
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
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

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

WD9DZV

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I5HOR
IT9BLB
JH0BQX
JR7WFC
K3PP
K4WZ
K6EME
KK1W
LA9VFA
MM0SAJ
N2ZN
N7QT
NA4D
NQ7R
NY2NY
OK1DO
W2OO
W5LUA
W5VQ
WA5POK
WB8CQV

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AC9S
DL5MHQ
EW1BA
HB9FMT
JA1PTJ
JA2ATE
JA9RRH
JH1HHC
JL1UXH
JR2LJO
K2RW
N8OC
NJ3K
OE6VIE
SV3FUO
W2CG
W3BW
W4JVN
W4VIC
W4WT
W8HW
ZS1C

140

9A1CAL
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K6KLY
KF8DX
N4XP
OH6NIO
ON7DR

UN1L
VE6SV
W0SEI
W4NU
W7IV
W8GNM
W8LWU
WO2T
YL2MU
YO9FNP

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

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

137

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

136

E72U
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K7TM
KR6C
OK1DW
SM5OJH
SP2BMX
UT3UZ
UW8SM
W2OIB
WB7QXU

135

5B4MF
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F6FXU
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IU0HDC
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JA8BNP
JA8JL
K1ZE
K4ZRJ
K7FL
K7XB
NZ9R
R7LP
RN3RQ
SM3LGO
SM5CZK
SP3XR
SV5DKL

W1DIG	JA6CBG	K3NK	S55DX	VE3CX
W1EQ	K6YUI	K6SIK	SM3GQP	VE7BV
W2GD	K9ZM	K7LFY	SV3DCX	W8MK
W4BUW	N6HY	K8BCK	US8UW	W8REW
W4MBD	OZ2RH	K9GL	VQ9LA	W9ILY
W4RFZ	SM4BZH	KO8SCA	W2WC	WB0O
W6JTI	SM6BGG	NA4EA	W4IS	WB2REM
WE4S	SP6M	NO9E	W6RKC	WD4LBR
	VE3CRG	OZ2ABI	ZS1A	YU1EXY
134	W4AXL	PY5EG	ZS6UT	
CT3HF	W4RBO	R3VA		125
IK4DCS	W4WM	R5QA	127	9A1AD
JA7LGE	W5SL	R9AB	CT3KN	AG1A
K1TO	W6DR	RU1AO	HK1MW	GW3TMP
K1ZN	W7AH	S51NM	IK2SGB	HK4SAN
K3OX	W7CD	SP6JIU	JA1DDH	IK5DNF
KX4TT	W9FR	TA1CM	JA1WLO	JA4IYL
N9MR*	WB3D	VE3DO	JA8RJE	JA6VU
N9RS	XE2S	W2MPK	JA9KRO	JE1TSD
NA5DX		W9ZT	JH3AIU	JE6UWU
OE1TKW	131		JS2LHI	JF2WXS
PY5HOT	DK7YY	129	K0RW	JH1AGU
RG6G	G3UHU	HA1RB	K3TRM	JL1RUC
RX4HW	HS1NGR	HB9AZZ	KM3T	K1HAP
SM0BYD	IV3KFB	JA1NWD	N1AC	K5KG
UA0ACG	JA0AOO	JA8JO	N1GC	K8DV
W4JKC	JA2TBS	K4TT	OE8HIK	KA6BIM
YU1AM	JH4ADK	K6XM	PA3EWP	KI4WCQ
	JJ1TEA	LB7ZG	SK7AX	LZ1XL
133	JM1FHL	N0YY	SP6A	N2KA
9K2NO	K1UU	N3KS	SP7ASZ	N3EN
EU1U	K5VIP	N3RR	W0CP	N4JT
IZ8DFO	K9DR	W0YVA	W0RT	N9RD
JA7GLB	KC2LSD	W7QHE	W1OPD	ND5S
JA9AGN	KH2L	W8MET	W3BG	NW6S
JR6FC	KM3V		W3FOX	OE1AZS
JR7FRW	KM4H	128	W3MF	RA0BA
K2CDJ	N3MK	AA4SC	XE1KK	UU7JM
KS4YT	N4QWZ	DM2RM		VE3UTT
KU2A	N5PHT	IT9ZZO	126	W5DAW
OE1KM	N6RK	JA2AHH	DJ8WD	W8LMG
ON4CAS	ON4ON	JA2KSP	DL9FCY	W9CG*
RA5BM	R0SR	JA9AA	F8BPN	WV4TN
RV4LC	R9MJ	JE1LFX	G4IUF	YO2RR
UQ2PZ	R9SA	JH4GJR	IZ7EVZ	
VE3WT	W8DCH	K0FF	JA1XCZ	124
W0NFL		K3XA	JA7KY	AA7XT
W2QO	130	K4JAF	JH3CUL	J11DHY
W5AJ	DF9ZW	K4SE	JJ1DWT	KD4POJ
	E73M	K6LPO	JN1RQV	NA2U
132	EI2JD	KG7CW	K2ZD	PA0TCA
AA4NC	G7VJR	KM4NS	K4JKB	UA0BA
AB9M	HK0HEU	N5KM	K4XU	VA7CRZ
AD6W	JA2FBC	OH1ZK	N8NA	VE1DUN
IK3VBB	JG1DUZ	OZ1IKY	OE3SGU	W2JU
IT9RDG	J14POR	R9SG	OK3CQD	W2RIJ
JA2KVD	K2MYR	S53X	PA5TT	W3FM

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123	OZ3Y	N4BAF	XE1RCS	N4IR
AB1OC	RD4A	N4LR	118	N6MB
AC4TO	UU4JMG	N4TB	5T5PA	N8AA
DL7JRD	VE6AX	N4UFP	AB2E	N8XI
F4GTB	W2TB	N8PW	DL5OCE	NY4G
G4WFQ	WA3I	OE3EVA	JA4FHE	OZ5HP
G5LP	WA7BNG	OZ2A	J18DGO	SM7BIC
HB0WR	121	PZ5RA	JN7DOS	SP8HKT
IK2CHZ	AA6RR	RL3BZ	K3WGR	UA6J
IK3XJP	DF1DB	SP7ITB	K4CNW	UB3A
JA0CRG	DK1EI	SV1FKZ	K5XM	UR9IDX
JA1SJV	DK6CQ	SV1IW	K7PI	US1CT
JA3MHA	EI2GLB	UR5IKN	K8LN	VE3YF
JA6WJL	HB9DHG	US0YA	K8WVA	W4ZRZ
J14WAO	JA2HYD	W0RX	KD2T	W6SL
JK1EXO	KD8RQE	W2YR	KD6UO	W8ZR
JR1EBE	KG9Z	W3OA	KG8CW	WA2USA
K2PK	N0OK	W4PRO	KV4AA	116
K3XO	N1JP	W6RFL	LZ2HM	AJ4F
K4ZIN	N3ND	W7RN	N2MM	DL7URH
K5GH	N4TL	WT4Q	N4DJ	EA5BRE
K7UT	N6HC	ZL4AS	PY2PA	HA7PF
K9CS	SV1AHX	119	RN3TT	IK0EIE
KV4T	UQ1GWW	AA3AZ	SV9COL	IK2OHG
N2ED	UT4EO	AA4DD	TA2RC	IT9TQH
N4DWK	UU2JQ	AE3T	VK4CAG	IV3HYD
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N9JV	W0QQ	DK3GG	W4DAO	JH3GCN
N9LQ	W2GG	EW4M	W4NJ	K1DC
NA2P	W3RJW	G4DJJ	W5JMW	K1RI
NA9RB	W6XI	HB9AAQ	W9FI	K9FN
S50B	W9XX	HB9BCI	WX3P	KT1V
UA3DK	W9YE	I2TZK	YO4AUL	KV1J
UR9QQ	WA1PMA	I4MKN	117	NA9Q
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W4NF	120	JA4XGC	AE0P	RV3ID
W8NJR	9A5F	JE2JMV	BH4IGO	TZ4AM
WB8K	AA5JF	JH6CDI	DL1DWT	UA4PCM
XE1H	AC9EM	K3FRK	G3PLP	W1ENE
122	AL7TC	K5UZ	IT9AAI	W1WEF
BA4RF	DL2VWR	K7EG	IT9DAA	W7GG
G3NDC	FG5FR	K8KWT	JA1HQT	W7OEV
JA1MRM	HB9BLQ	K9SG	JA4FM	W8LRO
K1BZ	IZ0LKV	N0KV	JA5FDJ	WQ5L
K1ESE	IZ5NFD	N9UA	JA7GYP	115
K1YT	JA4EPE	NT2A	JA7IC	C6AGU
K2MP	JR3UIC	NY7T	JM3GXU	CU2CE
K7ZA	JR6LLN	OH5NG	JR2UBS	DL9GOA
KR0P	K2BA	OK1DT	K2BB	G4XEE
LA7WCA	K2HK	R6FFB	K3NF	G8BCG
LA8PT	K3QIA	SV1ACK	K6PJ	G8DX
N3NR	K5JC	W4HZ	K8OOK	HA5UK
N9AW	K6FW	W8FIB	K8QM	HK3PJ
		WC2K		

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IZ7JVR	W5VY	A92IO	DK6ED	J68HZ
JA2KNW	WA1FCN	DJ1RL	DL1HRN	JA7EPO
JA3NHL	WA4CEM	DK5RL	EV1R	JE2UFF
JG3LGD	WA8MCD	DL5CL	F6ECI	JH1VHU
JH1RFM	WA9YYY	EA1JO	G4DBN	K2BLA
K0GD	WN9O	EI8IU	HL3GOB	K3JRR
K0SD	XE3ARV	EW1DO	JA1AUD	K3PH
K4CMS		G3XGC	JA1FGB	K4WW
K4GHS	113	HB9CEX	JA1NCZ	K6MI
K4GK	9A1A	HB9CRV	JE2EHP	K6VKO
K8YTO	DJ5DT	HB9G	JE8TGI	KB4MRX
LY4T	DJ9RR	IK2ANI	JF2WGN	KC2STA
N0IRM	DL8CM	IU8FRE	K0FLY	LZ1PM
N4OA	DL8DYL	IZ4DIW	K5WAF	N2CG
N5BO	G4AFJ	JA1SXR	K7ORK	N3HBX
N8KOL	HB9EFK	JA4BXL	K9AJ	N3IQ
PA3AXU	JA0GCI	JA7BXS	KM1R	N3JB
RZ6MJ	JA1OVD	JR7TEQ	KP4AA	N4KE
UA1ANA	JA4ITW	K0JPL	KZ0X	NC6K
UA1CGS	JH1ORA	K1EDG	LA0CX	NK7C
UA6XT	K0TPP	K1EO	N4WJ	NY4I
UN6T	K2HAT	K1KO	N7BD	RD9M
W4UCK	K8SL	K4UAS	N9HF	SM5BHW
YL2CZ	K9GWH	K8CC	NA1DX	SP9WZS
	KA4RRU	KB2FCV	UR6QA	SV1VS
114	KH6DX	KI4DLS	UT1UY	UA3O
AB4GE	KI0G	KM1C	VE6KC	US7MM
BA4DW	KT1J	LA8HGA	VE7CT	W0UY
BA7IO	N7KO	N5ZC	VE7UF	W3XY
CT3FN	N9ISN	N6MA	W0VHF	W4DC
CU3AK	NA3F	N6PE	W1FO	W4NE
DL6NB	NG0G	RU4SU	W4HOG	W5ZPA
F6CWA	NI5F	SM3DMP	W4OX	W6KK
G3SDL	NK5B	UA1ACG	W5AQ	WL7E
HP3TA	ON5UE	UA1CEI	W7VS	XE1FAS
I5OYY	R7NA	UT6UD	W8KA	YU7AU
IK7YZG	RA4UN	VE7XF	W8MIL	ZL3NW
JA4KDT	RZ3AUL	W1HEO	W9RB	
JA5WIZ	SM5ARL	W2CVW	WA2BOT	109
JH6WMJ	SP3EPG	W2SKI	WA2MUA	DF1KG
K1RV	SV1JFV	W3UL	WB4TDH	EA3GHZ
K2DC	SV2AVP	W4VHF	WB9EEE	EU4T
K3MD	UN7TW	W5VX	YL3DQ	F8EZE
K3OSX	VE3KI	W6TC	YO6HOY	G3SVD
K5CD	W2GW	W8GEX		JA2CXF
K5RJ	W6BK	W8HMK	110	K2ONP
KB8U	W8FAX	W9SE	BA4MY	K4RDU
KZ4V	W9DX	WA8OLN	DL1VDL	K5FZ
N1QY	W9HBH	WT9U	EA5BYP	K5KA
N2JJ	W9VNE	ZP6CW	F5BAR	K5KPE
N3MN	WA4DOU		G3LNS	K6MW
N4IQ	WB2HJV	111	G8AJM	KE1F
NU8Z	WB2UFF	AA4U	HC1BI	KZ5DX
UA3FT	WS4C	AF4OX	I2BBJ	N1BZ
W0VX	XE1RBV	CU3AN	IK5RUN	N2WLG
W3MR	ZL1BYZ	DG7RO	IK8UHA	N7TY

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NN4RR	W4ZYT	VE3OI	OK2BVG	N7DR
NU4I	W7ACD	VK3NX	S57AL	ON7PQ
NX7U	WA2ALY	W3KB	UR3CRO	OZ4AAL
PY5CC	WA8MOA	W4MAY	UT7UU	PF7M
RW4UU	WB8BZK	W6TDX	UU5WW	PJ2/K8ND
RW9QA	WC1M	W8IW	V73AZ	PY2DS
RX3AGD	WC6DX	W8VK	VQ9SS	R6YY
TG9NX	WD9EQU	W9CPV	W1CWU	RA6AF
UB5ZAL	WW1WW	WA0RVK	W2EQ	RD4WM
UT7KF		WB6CJT	W2LE	SP5JXK
VU2CPL	107	WB8ART	W2NO	UA6LCN
W5WP	4Z5LA	WS1L	W3ICM	UR1RWX
WB5TUF	DJ8ES	XE2YWH	W4IR	UR2RGN
WN0L	DK3FB	YL1XZ	W5JAY	VE1PZ
YV3AGT	DL1QQ	ZL3RJ	W8OP	VR2MY
	DL2CHN		WA4MYO	VY2ZM
108	DL5XU	106	WA6TLA	W1LE
AI2Q	DO4DXA	AA4FL	YL2GN	W1LY
AL7R	EA5AT	AE2U	YU3EF	W4OWY
DL6CNG	EA7QW	DJ6OZ		W5KI
ER1LW	FG8OJ	DL2NOM	105	W6FF
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HB9FAN	HI8R	EA3CCN	DJ3XD	
IK0PRG	I5IHE	HA8DZ	DJ6KH	104
IZ0BTV	IT9XTP	IK0ZIO	DL4ZAB	9K2OD
IZ2EWR	JA5EY	IW3GJF	DL6XK	9M2AX
JA2MOG	JA6OXT	JA1VLK	DO1CTL	AD1C
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K1XM	K0MD	JG5RVQ	JA1BWA	CX3CE
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K2KQ	K3SW	JH6PFY	JA4EVN	DL4FAP
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N6RFM	N3DAP	KK8X	K7OX	IK0DWN
N9SF	N4RF	KK9H	K7PO	JA1SDV
N9TF	N6EE	KQ3F	K9RO	JA2FGL
NU4Y	N8AGU	N0JZ	KI5T	JF1EGO
PA0ZH	NA5Q	N2CW	KT2E	JF6WTY
R5FY	OE1CP	N2SQW	KX2A	JK1BSM
R7LA	OK2BUZ	N3XM	LZ1JZ	JO1WXO
RX6DX	OK3CQR	N8AID	N2DPF	K0WK
S57J	R0FA	NA5Z	N4JI	K1BG
SM6AOU	RN4AA	NI5M	N4NW	K3FM
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K5HK	DM5TI	VE3VV	PY2DO	JA7SFD
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K7TJR	EA7SG	W0UVC	R3IS	JH3HGH
K9EA	EU6MM	W1CTN	RU3UN	JH3PRR
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KH6KG/W5	G3BDQ	W4MZ	SM6WET	K0LW
KI0KB	G4AAW	W5THT	SP5MXZ	K1YR
KW0A	G4PUQ	W5VU	T77V	K2BX
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RU3UR	K7BTW	EI6GF	W5TO	KE4S
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	SM6EHY	LA3ANA	G3ZFC	RA4SD
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DJ3GZ	VA2ZO	OK1JDX	IV3KCB	SM7NDX
DJ7PI	VA3IC	OK3CSQ	JA1VVX	SP7JLH
DL2HX	VE3EDY	PA7TWO	JA2VMU	SV1PL

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UT7HA	JA1CPU	OE5JDL	ZS2DL
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VK2GR	JA5DQH	ON4ANN	
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	KC0V	UA6CEY	
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AA4AK	KP4N	UR8IDX	
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AI2S	LU5OM	VE7JKZ	
DJ6OI	LU5YF	VP2VA	
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DL1TRK	MM0SJH	W0GYH	
DL9GTB	N0AH	W0MU	
DU7ET	N0ATQ	W1AN	
EA1CP	N1KI	W1YRC	
EA2AAZ	N1MD	W2CCC	
EA3ALD	N2SG	W3BBO	
EA8AXT	N2XQM	W4HHN	
EC5A	N3AF	W4OEP	
ES5NC	N4CRI	W4OV	
FM5GU	N4ZR	W5BK	
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G3OIL	N7TK	W7JET	
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GM3ZSP	N8NB	W8FN	
I2VGW	N8OQ	W8GDQ	
IK0HFO	N9ADG	WB4SON	