

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

297 DK5PR N4CC OM2XW RA3DX W0FLS	289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	N2LT SM6CTQ US5WE UY5ZZ W0BV W2YC	275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU SP5CJQ SP6AEG UW2ZM	RK4FD W1MK
296 DF2UU F5NTV G4PWA JA2JPA ON5NT RY9C W1JZ	288 PA3GCV SL0ZG SP7VC UA4LY W0JX WK3N	281 DF2PY HB9BIN JA2PJC K1CP NJ6P S59Z W4TO	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD
295 K3UA	287 DL1RWN G3XTT N2QT VA3DX W4PK	280 EA6NB SM4DHF SP6HEQ YO3APJ	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA1V AA4V AA6YQ AA7A RWOLT SV8BHN YO5BRZ
294 DL1AMQ JH2FXK LA5HE RJ3AA SV8CS WD5COV	286 CT1APE DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN UA6MF	272 9A2EU CT1EKY DL1DUL DL2OE OH1LEU SP6CIK	264 IK2YCW K7ZV SP9JZU W1GL
293 N0TB S58T	285 G4CCZ HB9BGV	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM UR5WA	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW LA5IIA W2SM W3AP
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	270 JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA K4XP KR9U W1YY
291 9A7V DF3GY IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	283 JA5EXW JH4IFF N7NR NA0Y NO3M R3OK	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ VE2TZT	269 K6ND KD5M RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N3NT N6SS NO8D SP1S SP5DIR
290 UA3AKO	282 DL1YD I0WDX K4SO K8KS K9CT		268 DL5DSM G3WPH LA3MHA RA3XDX	

260 EA5BM K1LT K4DY KX4R	252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	F2JD JF8QNF N6TR TF4M W2TQC W5XZ	K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	234 AC4G AJ6T IZ8FFA K1AR K4UTE KF0QR NV9L PY1BVY
259 DF4PL F6GCP G3ZSS I1FQH R9FM	251 DJ7RD DL9RT I1EIS JH0BBE N4II PY2RO W5UN W7LR	245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY	239 G8VR JR3GWZ K0KT K1HTV KH6AT LY3UM RN3QN RU3QR SV1ELF SV1RK	233 JA0FSB K0CS K2UU KA7T SK3PY SV8CKM UA4HAU VA2WA W7AO
258 KW9A N5KD RN3CT VE3QAA	250 HB9RG NQ1K OZ8BZ	244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ	238 DL8WN EA6ET IK0XEZ JA0DAI K1DG RA0FF VO1HP	232 JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T S51DI UA3AP
257 K1GUN W9YSX	249 AI9L IV3ODE JR3IIR K9NW SP5DRH	243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G	237 DL7MAE NI0G OM4EX UR5EDX	231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL N8TR PA7MM W1TSP W3DF	248 K3WW K5RX K9RX N2NL SM3VAC SV8GFW T77C UT9FJ W9NGA	242 EA4KD KG7H	236 AB4I K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK W3LL YO9HP	230 DJ5FI FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ
255 K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI	247 AB3CV K0IEA K6XT NN4X NO2R R7IA WB3AVN	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN WA7NS	229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T
254 N0AT OM3DX WA4FFW	246 DJ2TI	240 JA5MHD K0JUH K1FZ		
253 5B4AGN AA1QD K5ESW S58Q UA1OMS W0YG				

228 AF9H AI0O E72A EA1N K4HB N2WK OH2BEN UW5ZM VE3DZ	IZ1LBG N0AV N8BM SP5INQ VK6VZ W2RQ	LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA NA2M RU4SO W0LYI W1FJ W2WG W3YY	JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT
227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W1TC W9BF WB6RSE	223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX	218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I KG6I KV7K LA7JO N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	222 DF6PB IV3JVJ K3SV K6EID N5AW N8PR N9BX SM0CCM SP7GAQ	217 DM5EE K5PC ON6YH UA3AGW	216 JA6LCJ JA9PPC JH1IFS K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	207 K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS
225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW WA7NB	221 K4MWB K8FH K8SIX MM0EAX N6VR W1ZK W6JRY WS6X	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	206 IK0IOL JA3PIS K2VV K5AQ K5MC KG9N N8DJX SM6BZV US0KW VE3BW
224 DL5WW	220 AG8B DK2NG HB9LCW HL5IVL JA2WYN JJ3PRT JR4OZR K8ZTT KA1R N1LN N5JR VE3EXY	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA OK1DX RN7G W4NL	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW K8AC KA9FOX LA7HJA PY2XB W8UN WB8ZRL
	219 IK3VUU JA2FBY JA2FJP JF3KON LA7GIA		209 DL5CF DL9MRF EA1RT EU1KY HB9CXZ HB9DDZ	204 DJ5AV IK7NXM JA9NFO

K4JJW	200	KP2A	K3FN	WA6YEE
KK4SI	AG4W	ND0N	K4FJ	
LX2A	G0OIL	RA9CMO	K5XX	187
N4NX	JA1GTF	RZ4FO	K7GM	AJ1H
N7FU	JH2RMU	W0FS	K9EU	K0SR
UA0SR	K1GE	W2FCR	KF7PG	K6SRZ
US6EX	K9US	W4UM	N4DB	KL0S
W2HUV	K9YY		N5LZ	KN5O
WD8PKF	LA5YJ	195	W3UA	N2NS
WF4U	RW4NN	EA3JL	W3YQ	NE1B
W18A	RW7M	EA5RM	W8LGJ	OK1CZ
	UY0ZG	G3ZEM	WN6W	SM0NJO
203	W0DD	JA1EOD		W7AWA
JA2XYO	W0MHK	JH1QAX	191	
JE1PNX	W2IRT	JN7FAH	JA1ANR	186
K3LR	W3GG	K7SO	K0JGH	9A8A
K4XO		K9RT	K8FC	IK2QPR
K9MMS	199	KF8UN	K9LA	JA8DNV
KK2I	DK2LO	N1SV	RK2FWA	K0BJ
PA0A	G0BNR	NK1K		K3PA
R6AF	HB9DDO	W5ZG	190	K7LAY
W8GC	JA2DPC	W9OP	CT1IUA	YL2TW
	K1GG		IZ8XQC	
202	K6GXO	194	JA1DUH	185
AA5AM	N4DW	K4KDX	JA1MCU	AB6QM
DL1MGB	W1TO	K9JF	K2TE	EA6BF
DL2KQ	YO2DFA	KB9LIE	K9KU	G3KWK
DL9DRA		KC9ARR	KM1D	IK3SWB
JA2JNA	198	LA7AFA	N4XU	JA2LCP
JA3CSZ	DL1ROJ	W1NT	N5GH	K5ZD
JA5AQC	G3UJE	W2LO	SM7GIB	N4TJ
JH3VNC	G4BUE	W4FC	SP2LNW	N5UR
J12KXK	IT9JNR	W9OO	VE7VV	OE2BZL
K2NV	RX3APM	WD8JJA	WE9R	SV1DPI
LY1G	W8HB		XE2X	UA9CBO
N5ZM		193		
N7KA	197	DF2GH	189	184
OK1DOT	G3SNN	DK1FW	9A2F	I2AOX
R9TO	I5KKW	DL5ZB	EA8PP	JA2ZL
RA3S	IK0FVC	DL6ZXG	FM5CD	JF1NZW
SM2OAN	JH2UVL	EA3WD	JA0VSH	K4HGX
UA9FAR	K8NVR	HA5BSV	SP7HOV	K5KLA
W7DO	OE4PWW	JA0EOK	UA7T	KB4ET
WA2HZO	OE5FIN	JA1XEC		OH2IS
ZL3IX	ON4CD	K4ODL	188	S57AC
	RZ6FA	KB8VAO	AA1ON	US8UA
201	UA0SC	N9EN	AB4IQ	W2YJ
CU2DX	UT5EL	PA0LOU	JA1KQX	
DL1EJA		RN1ON	K0BBC	183
F4BKV	196	UA0CA	KB0EO	CT1FMX
JF1PUW	4Z4DX	W9MU	KB1EFS	CT3MD
JO7WXN	AA4HP	WA2VYA	KE9ET	IT9INO
K3HP	IK4PLW		N8LJ	K4CN
N4QS	IZ8FWN	192	RM0F	K8VC
W5TCX	JA3RAR	9A2NA	W6SR	LA3WAA
	JA4PXC	JA7JWF	W8JV	N9MB
	K8PO	JH1RFR	WA3C	NN2L

ON6SAS	LA0FA	JA0GJJ	N4OGW	K6KO
W2FP	NE0U	JA2XW	N7RO	K8NK
W8NW	SM7DLK	JA7MOL	N9RC	K9MBQ
182	SV1JG	JF7DZA	RA3DNC	N0IJ
DJ9ON	W6NWS	JK1OPL	SV1LK	N3BNA
DK3UA	W7MEM	JR6PGB	170	PA3C
HA5WA	ZS1LS	K0TT	DJ6TK	RA1AOB
HK3W	177	K1KI	JA6JPS	RN9N
JA1SHE	9H1SP	K2KA	JF1WPB	S51EC
K8RRT	AE5E	K3AJ	JM1GYQ	SP3FAR
UR3EO	CT1EAV	K4TR	K6ZZ	UN9L
W1YM	CT1GFK	K4WS	KI5BLU	VE6WQ
181	IK4ADE	OE1WHC	N4PY	W1YW
DK3WW	JE1BMJ	RN7F	SP3GTS	WA0MHJ
JA3ENN	K3WC	UA3LNM	SV3KH	WA4LOX
JN4MMO	K9NU	W8UV	W3IP	WC5N
K2EP	SM6DHU	W8VVG	W9EVI	166
N3OC	W2OR	WT8C	WA3AFS	4Z1UF
VE3OSZ	W5LT	173	169	DJ4SO
W9AJ	W7FI	5B4ALJ	IK0PEA	HB9FMN
180	WB7B	I1JQJ	JA1ADT	IV3TDM
DM2DXA	176	JA1PPW	JR1IZM	JA1FNA
DM3VL	CT1FPQ	JA9TWN	K1LI	JA9LJS
EA8JF	EU1AB	K1NTR	N1EN	K1KA
JA2BDR	I6FLD	K4XR	N4XX	K3KY
K6SSS	JA0DET	K9YC	N7US	K4JLD
K7BG	JA5IU	KA1J	UT8MM	K4PB
LA9AJA	JA6BJV	N5FG	UY5AA	K4ZYU
N1RR	JA8KSF	PY5EW	W6RW	OH2BLD
N4AH	JL1SAM	W8HC	WB3JFS	RM3DA
ON5FP	K8MN	172	168	W1RR
UT2UB	N5OK	G0BLB	G3MXJ	W8ILC
W1RM	OK1DWC	G3NKC	IK2EGL	WA8TXT
W7BEM	RL3FA	IZ5MOQ	JE2LPC	165
W8TN	SM5FUG	JA3FGJ	JE7JDL	DL7UCX
179	W4BP	JG0CQK	JF2UPM	EA7TV
IT9ELD	W4GD	JG3IWL	K5QY	I2ZGC
IW0SAF	YO7NE	K0DEQ	K8RYU	IK0AGU
JR7BDQ	175	K1BD	KR4F	JE7RJS
K8WK	JA1CHN	K6FG	N4QQ	K5JZ
N2PK	JA9NLE	KJ0M	N8BJQ	KK4CB
OK1MG	JS3CTQ	W3JX	PA7F	N9FN
S57UN	K4DLI	W4FQT	SP5GH	NY0V
SM4DDE	K5GKC	WC4X	W4SVO	RC9F
SV3FUP	N7IR	171	W6VX	SM4CTT
W8KEN	N7XR	AA9D	W7YAQ	SP6EQZ
178	PE1L	DL6KR	W8OI	W0DJC
4Z5CX	SP1MGM	G0EHO	WA5YNB	W5BN
EA3CJ	TF3SG	HA9PP	167	164
JA4MRL	VE3FF	JA6HUG	DK5AD	GU4YOX
JE2URF	WX0V	JR1TNE	JA6VQA	HA7UW
K2UR	174	K1NU	JE3ENP	HB9BZA
	4Z5MU	LA5LJA	K4XD	JA1RTX
		N0RN		JA7ZP

JH2SON	IK0FUX	JA1GHH	YS1RR	SP7AWG
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N4HB	IZ4DPV	JH2QMT	153	W7RH
N5WA	JA2EPW	JH7IAJ	AA6AA	WA1Z
RA3ZH	JE2OVG	LY5A	AJ9C	WA2BCK
RN3OG	JF2XGF	N5MOA	DL3ZA	WP4G
SV2AEL	JR7MAZ	NE9Z	G3TJW	
W4NS	K3MSB	RU4UR	HL2CFY	150
WP4U	NR4M	SM3PHM	JF1IRW	EA1AF
	RU6L	SV8ZS	JR9OPJ	IV3RAV
163	UA0FZ	W2TA	K7SP	JA2NQG
9A2JK	UX5UO	W5GZ	K8VFF	K0RS
DJ9HX	W1BR	YV2IF	N4TV	K7LV
JE2LUN	W5XC		N5TW	K8AJS
K7NN	WX0B	156	N8II	KU4XO
K8TL		AB9V	R9OK	N3QE
UR4CWQ	159	DL4MM	SM6CLU	N9CO
VE3CFK	HB9TKS	F6HDH	SP5CCC	OE5RLM
W7AL	JA4FKX	IZ8IEV	UT5UY	OE8SPW
WW3S	JH6QFJ	JO7HAM	WB8BPU	SQ5EBM
	JH7CFX	K0QC		SV1CNS
162	K4RO	K8YSE	152	UA6YW
4O3A	OK2ZV	KS1J	EW2A	W6DAO
9A4W	UN7JX	N3RC	HB0CC	W7CT
F3AT	W3HKK	N3UA	JT1CO	
JA6GIJ	W6BJH	UA3SAQ	KQ4AV	149
LB6KC	W7SX	VA3LX	KS3F	DL7CX
N8MR	W9RN	W1YIF	N9OY	HB9HFN
RW3RN	WD5BJT	W4TV	S55ZZ	IK4FNF
W0HT			UA6IGI	JA1SVP
W0TT	158	155	UN7LZ	JL1ARF
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W4DKS	DL1FKA	DL4SZB	VE6LB	K3RA
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WA9PIE	JA9APS	K2LS	W1VT	K4YYL
	JH1TWT	K4RG	W6RLL	K8ME
161	JI1FXS	K4WA	W7AJ	K9MK
DK2GZ	JI1NJC	NE0DX	WB3CQM	R8TX
DL6RAI	JR1GJP	NW7E		SM6CUK
HB9DHK	K5TT	SM6VR	151	UW7UA
JA1DOF	K9GA	WE1P	AA7G	W0GG
JH4CPC	OZ1HX	ZS6EZ	DK2OY	W7HPW
K1USA	RU6M		EI9JF	WB8B
K5GO	SM4EMO	154	F3SG	WD5K
K8ND	W0SZ	3V8SF	IZ3ENH	WS5W
LB2TB	W1OX	GM3PPE	JA2VQF	WW2DX
N4GN	W2XL	HB9BUN	JA6BEE	YO3DDZ
OH6RA	W3GQ	JA8NFV	JH1NYM	
VK3HJ	W4QN	JR3OEH	JR1XIS	148
YU2TW		K0KVR	K2AX	DK2CC
	157	N7WS	K2FW	F5CQ
160	AA4H	NX8Y	KR2Q	F5LVL
AD5Q	AC6DD	W1NA	N5JB	HB9SLO
DK1WB	DL6MRS	W2XI	OK1ATP	JH1QDB
DL1DA	EA5BY	W5DNT	RD3A	K5VWW
EC3A	G3TQZ	WB0TEV	RU3A	N2WB
EI6FR	G4GIR	WS7L	S54A	NE3F

W2/CT1GIF
W5FKX
W9JJB

147

EA3GP
F5PAC
IV3VBM
JA1XQC
JH4ALY
K7HP
K8UT
KM1H
N1IBM
PC3T
W1OP
W2KKZ

146

EU4A
G4FTC
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JA4DHN
JH1GNU
K1CA
K5KV
K5SM
K6NR
K7WP
LA6OP
N7BT
RU0SN
W1IZL
W1ZT

145

AF4HX
HI3T
IOJBL
JE6TSP
JJ3HGJ
JK1AJX
JN1BMX
K1OA
K3VAT
K4OY
K8BL
KF6HI
N1CGP
N4GG
N5XZ
RT0F
SM3DTR

144

CT1FCX
CU3EQ

DL5CW
DL5KUA
E70T
EI6IZ
GM3ITN
HB9BYQ
I5MXX
IT9GSF
IZ4GWE
JA3GN
JA5XAE
K0VSH
K5TR
KD0PO
N1IX
N3KK
SM4OLL
SM5CLE
W4GE
W7ZI
W8RLS
WC5M
WD5T
YO3CD

143

DL1DUO
DL6EN
HS0ZEE
K7CMZ
K7CW
K8ROX
KJ9C
LZ2ZG
N2RJ
N2WM
N5UW
N6PAT
NN4R
W0IZ
W6QUV
WB8ZRV
WD9DZV

142

I5HOR
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K4WZ
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MM0SAJ
N7QT
NA4D
NQ7R

NY2NY
OK1DO
W2OO
W5ADD
W5LUA
W5VQ
WA5POK
WB8CQV

141

AC9S
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HB9FMT
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JA2ATE
JA9RRH
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JL1UXH
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NJ3K
OE6VIE
SV3FUO
W2CG
W3BW
W4JVN
W4VIC
W4WT
W8HW
ZS1C

140

9A1CAL
DF2RG
K5WK
K6KLY
KF8DX
N4XP
N6PSE
OH6NIO
ON7DR
UN1L
VE6SV
W0SEI
W4NU
W7IV
W8GNM
W8LWU
WO2T
YL2MU
YO9FNP

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CU2AP
DF7EE
DJ4XA

DL5EBE
DL8OH
JA1TMG
JH0BQX
JI1DCW
K3ANS
K6AM
K8GI
K8RF
KA8SYV
KU0A
LA8WG
OK1MP*
OK2QA
SM5CBM
SV8ZC
W0SD
WA8WV

138

DK8MCT
DK8YY
EI9FBB
F6DDR
IK8EPC
JA3OOK
JF3LOP
JH7RXU
K1RO
K2RET
KJ6P
LB5WB
NA5C
ON6AA
OZ8X
RW4CY
V51B
W1GD
W2YE
W4YV
W7OM

137

DS1JFY
EA1YO
GM3YOR
IZ0RVI
IZ2FOS
JA3APU
JA4OK
JH4JNG
JR2LJO
K2QMF
K6EME
K8NS
RA3CO
RG7G

UU1JA
W1ITU
W5ODD
WB5JID

136

E72U
ER0FEO
HB9IQB
IK8CNT
JH4HMG
K0TV
K7TM
KR6C
N2ZN
OK1DW
SM5OJH
SP2BMX
UT3UZ
UW8SM
W2OIB
WB7QXU

135

5B4MF
DJ9ZB
F6FXU
IK8GYS
IV3DXW
JA7LMZ
JA8BNP
JA8JL
K1ZE
K7FL
NZ9R
OH1JP
R7LP
RN3RQ
SM3LGO
SM5CZK
SP3XR
W1DIG
W1EQ
W2GD
W4BUW
W4MBD
W4RFZ
W6JTI
WE4S

134

CT3HF
IK4DCS
JA7LGE
K1TO
K3OX
K7XB

KX4TT	W6DR	129	KM3T	JL1RUC
N9MR	W7AH	HA1RB	KM4NS	K1HAP
N9RS	W7CD	HB9AZZ	N1AC	K5KG
NA5DX	W9FR	JA1NWD	N1GC	K8DV
OE1TKW	WB3D	JA8JO	OE8HIK	KA6BIM
PY5HOT	XE2S	J14POR	S51NM	KI4WCQ
RG6G		K3NK	SK7AX	LA9GX
RX4HW	131	K4TT	SP6A	LZ1XL
SM0BYD	DK7YY	K6XM	SP7ASZ	N2KA
UA0ACG	G3UHU	N0YY	W0CP	N3EN
W4JKC	HS1NGR	N3KS	W0RT	N4JT
YU1AM	IV3KFB	N3RR	W0YVA	N9RD
	JA2TBS	PY5EG	W3BG	ND5S
133	JJ1TEA	W7QHE	W3MF	NW6S
9K2NO	JM1FHL	W8MET		OE1AZS
EU1U	K1UU		126	OE3SGU
HB9CQK	K5VIP	128	DJ8WD	RA0BA
IZ8DFO	KC2LSD	AA4SC	DL9FCY	UN7JID
JA7GLB	KH2L	DM2RM	F8BPN	UU7JM
JA9AGN	KM3V	IT9ZZO	G4IUF	VE3UTT
JR7FRW	KM4H	IU0HDC	IZ7EVZ	W5DAW
K1ZN	N3MK	JA2AHH	JA1XCZ	W8LMG
K2CDJ	N4QWZ	JA2KSP	JA7KY	W9CG
KS4YT	N5PHT	JA9AA	JH3CUL	YO2RR
KU2A	N6RK	JE1LFX	JJ1DWT	
OE1KM	ON4ON	JH4GJR	JN1RQV	124
RA5BM	R0SR	K0FF	K2ZD	AA7XT
RV4LC	R9MJ	K3XA	K4JKB	IK3VBB
SV5DKL	R9SA	K4JAF	K4XU	J11DHY
UQ2PZ	W8DCH	K4SE	LB7ZG	K4ZO
VE3WT		K6LPO	N8NA	KD4POJ
W0NFL	130	KG7CW	OK3CQD	NA2U
W2QO	DF9ZW	N5KM	PA3EWP	PA0TCA
	E73M	OH1ZK	PA5TT	UA0BA
132	EI2JD	OZ1IKY	VE3CX	VE1DUN
AA4NC	G7VJR	R9SG	VE7BV	W1OPD
AB9M	HK0HEU	S53X	W8MK	W2JU
AD6W	JA2FBC	S55DX	W8REW	W2RIJ
HB9RYZ	JG1DUZ	SM3GQP	W9ILY	W3FM
IT9RDG	K2MYR	SV3DCX	WB0O	W6CYX
JA2KVD	K6SIK	VQ9LA	WB2REM	
JA6CBG	K7LFY	W2WC	WD4LBR	123
JR6FC	K8BCK	W4IS	XE1KK	AB1OC
K6YUI	K9GL	W6RKC	YU1EXY	AC4TO
K9ZM	NA4EA	ZS1A		DL7JRD
N6HY	NO9E	ZS6UT		F4GTB
ON4CAS	OZ2ABI		125	G4WFQ
OZ2RH	R3VA	127	9A1AD	G5LP
SM4BZH	R5QA	HK1MW	AG1A	HB0WR
SM6BGG	R9AB	JA1DDH	GW3TMP	IK2CHZ
SP6M	RU1AO	JA1WLO	HK4SAN	IK3XJP
VE3CRG	TA1CM	JA8RJE	IK5DNF	JA0CRG
W4AXL	VE3DO	JA9KRO	JA4IYL	JA1SJV
W4RBO	W2MPK	JH3AIU	JA6VU	JA3MHA
W4WM	W9ZT	JS2LHI	JE1TSD	JA6WJL
W5AJ		K0RW	JE6UWU	JR1EBE
W5SL		K3TRM	JF2WXS	K2PK
			JH4ADK	

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K4ZIN	SV1AHX	AA3AZ	SV9COL	IV3HYD
K5GH	UQ1GWW	AE3T	TA2RC	JA1WTI
K7UT	UT4EO	AJ4A	VK4CAG	K1DC
K9CS	UU2JQ	DK3GG	W1KSZ	K1RI
KV4T	VA3AYA	EW4M	W4DAO	KT1V
N2ED	W0QQ	G4DJJ	W4NF	KV1J
N4DWK	W2GG	HB9AAQ	W4NJ	PA0JSE
N6MZ	W3RJW	HB9BCI	W5JMW	RV3ID
N9JV	W6XI	I2TZK	WT4Q	TZ4AM
N9LQ	W9XX	I4MKN	YO4AUL	UA4PCM
NA2P	W9YE	IU0LFQ		VA7CRZ
S50B	WA1PMA	JA3AZD	117	W1ENE
UA3DK	WY1G	JA4XGC	9Y4VU	W1WEF
UT3QU	XE1VIC	JE2JMV	AE0P	W7GG
W1AO		JH6CDI	BH4IGO	W7OEV
W8NJR	120	JI4WAO	DL1DWT	W8LRO
WB8K	9A5F	K5UZ	IT9AAI	WP3R
WV4TN	AC9EM	K7EG	IT9DAA	WQ5L
XE1H	AL7TC	K8KWT	JA0AOO	
	DL2VWR	N0KV	JA1HQT	115
122	EI2GLB	N8PW	JA4FM	AA5JF
BA4RF	FG5FR	N9UA	JA7GYP	C6AGU
G3NDC	HB9BLQ	NT2A	JA7IC	CU2CE
JA1MRM	IZ0LKV	NY7T	JM3GXU	DL9GOA
JH1AGU	IZ5NFD	OH5NG	JR2UBS	G4XEE
K1ESE	JK1EXO	OK1DT	K1BZ	G8BCG
K1YT	JR3UIC	R6FFB	K2BB	G8DX
K2MP	JR6LLN	SV1ACK	K6PJ	HA5UK
K7ZA	K2BA	SV1IW	K7PI	IZ7JVR
KR0P	K2HK	W0RX	K8OOK	JA2KNW
LA7WCA	K3QIA	W4HZ	K8QM	JA5FDJ
LA8PT	K5JC	W8FIB	N2BJ	JH1RFM
N9AW	K6FW	XE1RCS	N3ND	K0GD
NA9RB	KA8ZPE		N4IR	K0SD
NN7X	N3NR	118	N6MB	K4CMS
OZ3Y	N4BAF	5T5PA	N8AA	K4GHS
RD4A	N4LR	AA4DD	N8XI	K4GK
UU4JMG	N4TB	AB2E	NY4G	K5XM
VE6AX	N4TL	DL5OCE	SM7BIC	K8YTO
W2TB	N4UFP	JA4FHE	SP8HKT	KO8SCA
WA3I	OE3EVA	JI8DGO	UA6J	LY4T
WA7BNG	OZ2A	K3FRK	UB3A	N0IRM
	PZ5RA	K3WGR	UR9IDX	N4OA
121	RL3BZ	K4CNW	US1CT	N8KOL
AA6RR	SP6JIU	K8LN	W4ZRZ	PA3AXU
CT3KN	SP7ITB	K8WVA	W6SL	RZ6MJ
DF1DB	UR5IKN	K9DR	W8ZR	UA1ANA
DK1EI	UR9QQ	K9SG	WA2USA	UA1CGS
DK6CQ	US0YA	KD2T		UA6XT
HB9DHG	W2YR	KD6UO	116	UN6T
IK2SGB	W3OA	KG8CW	AJ4F	VE3YF
JA2HYD	W4PRO	KV4AA	DL7URH	W4UCK
KD8RQE	W6RFL	LZ2HM	EA5BRE	YL2CZ
KG9Z	W7RN	N2MM	HA7PF	
N0OK	ZL4AS	N4DJ	IK0EIE	114
N1JP		PY2PA	IK2OHG	BA4DW

BA7IO	NA3F	N5ZC	N9HF	OZ1LCG
CT3FN	NG0G	N6MA	NA1DX	RD9M
CU3AK	NI5F	N6PE	UR6QA	SM5BHW
DL6NB	NK5B	NA9Q	UT1UY	SV1VS
F6CWA	ON5UE	RU4SU	VE6KC	UA3O
G3SDL	R7NA	SM3DMP	VE7CT	US7MM
HK3PJ	RA4UN	UA1ACG	VE7UF	W0UY
HP3TA	RZ3AUL	UA1CEI	W0VHF	W3XY
I5OYY	SM5ARL	UT6UD	W3FOX	W4DC
IK7YZG	SP3EPG	VE7XF	W4HOG	W4NE
IW0HEX	SV1FKZ	W1HEO	W4OX	W5ZPA
JA4KDT	SV1JFV	W2CVW	W5AQ	WB4TDH
JA5WIZ	SV2AVP	W2SKI	W7VS	WL7E
JH6WMJ	UN7TW	W3MR	W8KA	XE1FAS
K1RV	VE3KI	W3UL	W8MIL	YU7AU
K2DC	W2GW	W4VHF	W9RB	ZL3NW
K3MD	W5VY	W5VX	WA2BOT	
K3NF	W6BK	W6TC	WA2MUA	109
K3OSX	W8FAX	W8GEX	WB9EEE	DF1KG
K5RJ	W9DX	W8HMK	YL3DQ	EA3GHZ
KB8U	W9VNE	W9SE	YO6HOY	EU4T
KZ4V	WA4DOU	WA8MCD		F8EZE
N1QY	WB2HJV	WA8OLN	110	G3SVD
N2JJ	WB2UFF	WC2K	BA4MY	J68HZ
N3MN	WS4C	WT9U	DG7RO	JA2CXF
N4IQ	WX3P	ZP6CW	DL1VDL	K2ONP
NU8Z	XE1RBV		EA5BYP	K4RDU
UA3FT	ZL1BYZ	111	F5BAR	K5FZ
W0VX		AA4U	G3LNS	K5KA
W4TUN	112	AB4GE	G8AJM	K5KPE
WA1FCN	A92IO	AF4OX	HC1BI	K6MW
WA9YYY	DJ1RL	CU3AN	I2BBJ	KE1F
WN9O	DK5RL	DK2WH	IK5RUN	KZ5DX
XE3ARV	DL5CL	DK6ED	IK8UHA	N1BZ
	EA1JO	DL1HRN	IZ0CKJ	N7TY
	EI8IU	EV1R	JA7EPO	N8NN
113	EW1DO	F6ECI	JE2UFF	N9ISN
9A1A	G3XGC	G3PLP	JH1VHU	ND4V
DJ5DT	HB9CEX	G4DBN	K1EO	NN4RR
DJ9RR	HB9CRV	HL3GOB	K2BLA	NU4I
DL8CM	HB9EFK	IK2ANI	K3JRR	NX7U
DL8DYL	HB9G	JA1AUD	K3PH	PY5CC
EA5KA	IU8FRE	JA1FGB	K4WW	RW4UU
G4AFJ	IZ4DIW	JA1NCZ	K6MI	RW9QA
JA0GCI	JA1SXR	JA1OVD	K6VKO	RX3AGD
JA4ITW	JA4BXL	JE2EHP	KB4MRX	TG9NX
JH1ORA	JA7BXS	JE8TGI	KC2STA	UB5ZAL
JH3GCN	JG3LGD	JF2WGN	LZ1PM	UT7KF
K0TPP	JR7TEQ	K2HAT	N2CG	VU2CPL
K5CD	K0JPL	K5WAF	N3HBX	W5WP
K8SL	K1KO	K7ORK	N3IQ	W9FI
K9FN	K4UAS	K9AJ	N3JB	W9HBH
K9GWH	K8CC	KM1R	N4KE	WB5TUF
KA4RRU	KB2FCV	KZ0X	N5BO	WN0L
KH6DX	KI4DLS	LA0CX	NC6K	YV3AGT
KI0G	KM1C	N4WJ	NK7C	
KT1J	LA8HGA	N7BD	NY4I	
N7KO				

108	DO4DXA	IW3GJF	DJ6KH	W5KI
AI2Q	EA5AT	JA1VLK	DL4ZAB	W6FF
AL7R	EA7QW	JA2MNB	DL6XK	WQ5W
DL6CNG	FG8OJ	JE6IGP	DO1CTL	YU1NR
ER1LW	G4AKY	JG3HBO	ES1GO	
G3VAO	G4RGK	JG5RVQ	G3YUV	104
HB9BAT	HI8R	JH2KKW	HA8FW	9K2OD
HB9FAN	I5IHE	JJ0NCC	IZ2EWR	9M2AX
IK0PRG	IT9XTP	JR0EQQ	JA1BWA	AD1C
IZ0BTV	JA5EY	K0DEW	JA1TAA	AG4Q
JA2MOG	JA8JTH	K1EDG	JA4EVN	AH0U
JA3NHL	JH9DRL	K1PX	JA6VA	CP8HD
JJ2PIK	K0MD	K4DSE	JA7BME	CX3CE
JK1MZT	K3SW	K4SAF	JA8RRF	DK3BK
K1EP	K3YBN	K5AM	JA9APM	DL4FAP
K1XM	K8LBT	K5ZQ	JF1RYU	DL7UPN
K2CJ	KE2R	K8JJC	JH6PFY	E73D
K2KQ	KZ1W	KK8X	JO4CFV	EA8ZS
K2MK	N2RR	KP4AA	JR1BAS	F6AJA
K4WY	N3DAP	KQ3F	K1DJ	F8GB
K6UT	N4RF	N0JZ	K2XF	G3BRD
K8OM	N6EE	N2CW	K4MS	HB9CIP
KM8AM	N8AGU	N2SQW	K4YJ	HK3O
KN4JX	NA5Q	N2WLG	K5AV	IK0DWN
LU2DKT	OE1CP	N3XM	K7OX	JA1SDV
N4MEC	OK2BUZ	N8AID	K7PO	JA2FGL
N6RFM	OK3CQR	NA5Z	K9RO	JF1EGO
N9TF	R0FA	NI5M	KI5T	JF6WTY
NU4Y	RN4AA	NS3L	KK9H	JK1BSM
PA0ZH	RV6ARZ	OE5CSP	KT2E	JO1WXO
R5FY	SP3BQD	OH2OT	KX2A	K0WK
R7LA	SP6AXW	OK1AYU	LZ1JZ	K1BG
RX6DX	US5CB	OK2BVG	N2DPF	K3FM
S57J	VE3OI	S57AL	N4JI	K4KEW
SM6AOU	VK3NX	UR3CRO	N4NW	K4MF
SP9WZS	W3KB	UT7UU	N4PL	K4VIG
UX7UN	W6TDX	UU5WW	N4SC	K5HK
UZ6LWZ	W8IW	V73AZ	N4VN	K6UM
W2UB	W8VK	VQ9SS	N6NU	K7TJR
W3NRJ	W9CPV	W1CWU	ON7PQ	K9EA
W4ZYT	WB6CJT	W2EQ	OZ4AAL	KA2BZS
W6KK	WB8ART	W2LE	PF7M	KH6KG/W5
W7ACD	WS1L	W2NO	PJ2/K8ND	KI0KB
WA2ALY	XE2YWH	W3ICM	PY2DS	KW0A
WA4CEM	YL1XZ	W4IR	R6YY	LZ2XF
WA8MOA	ZL3RJ	W5JAY	RA6AF	N3ER
WB8BZK		W8OP	RD4WM	N3TR
WC1M	106	WA4MYO	SP5JXK	N4GU
WD9EQU	AA4FL	WA6TLA	UA6LCN	N4TTE
WW1WW	AE2U	WC6DX	UR1RWX	N6PF
	DJ6OZ	YL2GN	UR2RGN	N8MZ
107	DL1QQ	YU3EF	VE1PZ	N9DR
4Z5LA	DL2NOM		VR2MY	NJ9C
DJ8ES	DL3JSW	105	VY2ZM	NN3Q
DK3FB	DL6JZ	DF2PI	W1LE	RA1QX
DL2CHN	EA3CCN	DF8AA	W1LY	RU3UR
DL5XU	HA8DZ	DJ3XD	W4OWY	RZ6DX

RZ6LB	K9XJ	F6BWO	W5TO	KE4S
SM5CCE	KE1IU	FM5WD	W7IUUV	KF7NN
SM7CQY	KJ4R	HB9AHL	WA0IDK	KN6J
SO5AS	KJ7WY	I8LWL	WA1S	KQ1F
UA9FGJ	KM9E	IT9SFT	WD8DSB	KS4XQ
US5CAO	LX1DA	IZ4MJP	WS4Y	LA2GV
UT4EK	N0RU	JA0HXV	WW5G	LZ1XZ
UT7EC	N1HOQ	JA6OXT	YO2IS	N0STL
UX4UM	N9BBQ	JA8OW		N2AJ
UY0MM	N9SF	K0YN	101	N5AQ
VE3VHB	ND3L	K1PTF	AA2VG	N6WM
W0YBS	OH3GD	K2LP	AA3LX	N8AG
W1QA	OH4UI	K2TK	AA4NU	N9JCS
W3DRY	OK1DQT	K3KG	AC5O	N9PGG
W3TMZ	OK2BQU	K4AQQ	CT1JGA	NE1F
W5CWQ	OK3BRK	K4KAY	D44BC	NX2X
W5GJ	OZ7JZ	K5ZO	DH2FW	OA4TT
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W6PH	R9GM	K7BHM	DL1KS	OH3TY
W7DR	RA0FA	K7UA	DL3ANK	OK1PGF
WA0I	RA4HT	K8BHZ	DL5JS	OK2BOB
WA0RVK	RK3QY	KB9DAK	DM3ML	OK3EY
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	SM7BHH	KY6R	G4FJK	PA4WM
103	UA3PFN	LA3ANA	GM3WTA	RA3AH
AG1I	US2WU	N5RZ	HB9NL	RA4P
AI3Q	UT2AB	NZ3M	IV3GOW	RA4SD
DJ1MM	VA2ZO	OH2EA	IV3KCB	RB7GG
DJ3GZ	VA3IC	OK1DTN	JA1VVX	RK9F
DJ7PI	VE3EDY	OK1JDX	JA2VMU	RY6M
DL2HX	VE3MFA	OK3CSQ	JA6TMU	SM2DMU
DL8YRM	VE3VV	PA7TWO	JA7SFD	SM7NDX
DM5TI	W0QC	PV8ABC	JE1SYN	SP7JLH
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G4PUQ	W6SZN	SP5MXZ	K2BX	UT7HA
G4VGO	YO7APA	T77V	K2TER	VE2OJ
I0OSI		UA1AIR	K3SEW	VE3XB
JA2GQO	102	UA1CKC	K4NNX	VK2GR
JA2OLJ	A6/RV6LNA	UA6HOF	K5DNL	W1AW
JA3FHL	CT4BD	UA9MR	K6AAW	W1FC
JA8EJO	DK3QM	UA9UCO	K6XJ	W1GF
JH1DGQ	DL3DXX	UW7CN	K7AR	W2SF
JM2RUV	DL3NCR	VE2FYR	K7IA	W3WH
K0EOO	DL4CW	W0JMP	K8BN	W4BUE
K2UVV	DL4KUG	W1MRH	K8ZR	W4PM
K4LQ	DL5RDI	W1PV	K9JU	W7AV
K5JUC	EA8AKN	W2LW	K9PG	W7CB
K7BTW	EI4DQ	W2TX	KC4PX	W8GB
K8CCV	EI6GF	W3EKT	KD3UY	W9MAF
K9MUG	ES5RW	W4ALF	KE1VT	W9ZCL

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WB3HLH	K4KSY	RC2A
WC4H	K4QS	RN1A
WK9U	K4UQC	RT5A
WR2G	K7VIC	RU3GF
YO2OXD	K8BZ	S53MJ
YO6BHN	K8CR	S59SV
YV4DYJ	K8CS	SV1VJ
	K8LE	SV2DSJ
100	K9NZ	UA3AKI
9M6YBG	KB0EL	UA4PAY
A41ZZ	KC0V	UA6CEY
AA4AK	KC4D	UN6P
AB4VV	KC5LT	UR4CW
AC4VM	KD8BZY	UR4LRG
AI2S	KD9HL	UR8IDX
DJ6OI	KP4N	US8UW
DL1TPY	KQ5M	VE1RGB
DL1TRK	LA6UL	VE3OAT
DL9GTB	LA8W	VE7JKZ
DU7ET	LU5OM	VP2VA
EA1CP	LU5YF	VR2PX
EA2AAZ	LZ3YY	W0GYH
EA3ALD	MM0SJH	W0MU
EA8AXT	N0AH	W1AN
EC5A	N1KI	W1YRC
EI9E	N1MD	W2CCC
ES5NC	N2SG	W3BBO
FM5GU	N2XQM	W4HHN
G0VXE	N3AF	W4MAY
G3OIL	N4CRI	W4OEP
G4CGG	N4ZR	W4OV
GM3ZSP	N7DED	W5BK
I2VGW	N7TK	W7DT
IK0HFO	N8IL	W7JET
IK4MSV	N8NB	W8CNL
IS0/YO3RA	N9ADG	W8FN
IW0BYL	NA6O	W8GDQ
IW0HQE	NB3R	WB4SON
JA1BRK	NG7A	WU2M
JA1CPU	NJ3I	YB1TJ
JA1ILA	NN4SS	YL2SM
JA1JAT	NU1T	YO2CMI
JA4FSH	OE5JDL	YO9FLD
JA5DQH	OK1DXD	ZP9MCE
JA9CGW	OK2PAZ	ZS2DL
JF3DRI	ON4ANN	
JH7BKN	ON7EH	
K0FLY	ON7GB	
K0LB	ON9CC	
K0XM	OZ1ZD	
K1NA	PA0INA	
K1NZ	PA7RA	
K1TZQ	R3PJN	
K2CBI	R9JX	
K2CYE	RA3SD	
K3TZV	RA4LW	