

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 19 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 EY8MM K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA N1DG PE5T S50U W1JR	308 IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM3YTS SV8JE
340 K1ZM	323 SP5EWY	314 IK4GME NX4D OK3GU OZ1LO RW2A UA4CR	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK
339 W4DR W4ZV	322 UX0UN W3UR	313 GM3POI OE3GCU OG2M OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4DND JA4LXY PA3FQA SM3EVR VA3EF
335 OH2BU	321 WB9Z	312 OH1MA S54E	305 CT1EEB JA7NI K4ZW N4IS NN4T UA6A	299 K4TEA N1BUG OE1WEU SV1FJA UX1UA W7UT
334 N4WW	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I RA7A RZ3AM SP2FAX	304 DJ0MDR SM3GSK	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ SM5CEU
333 R7LV	319 N0XA SM4CAN	310 I4AVG RA3CQ SM5BFJ SM6CVX	303 F5LGE GM0GAV JA1BK JA4LKB K1UO RU3DX	
332 UR0MC	318 4X4DK UT5UGR W9ZR			
331 K5UR LZ2DF	317 W3LPL			
330 AA1K HA0DU OH1XX UT7QF	316 K5RK OH3SR			
329 K3UL UA4HBW				
328 R4GM 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 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 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 UX1AA	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	265 AA4V AA6YQ AA7A EI7BA K4XP RW0LT SP5DIR SV8BHN 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 W1GL
292 G4BWP 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 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 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 JR3GWZ K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	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	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	235 CX6VM EA6VQ	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF
254 N0AT OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN YO9HP			
253 5B4AGN AA1QD K5ESW				

W4VQ	SP3CGK	219	214	209
229	SP8NR	IK3VUU	DL7BA	DL5CF
CT1FJK	VA5DX	JA2FBY	HL3IUA	DL9MRF
DJ4AX	W7KW	JA2FJP	IZ8VYU	EU1KY
JA8FKO	224	JF3KON	JA2JW	HB9CXZ
J11BEX	MM0EAX	KV7K	K4NA	HB9DDZ
OE5NNN	N0AV	LA7GIA	LA4GHA	JA0UUA
RO7T	N8BM*	LB8DC	OK1DX	N9LB
228	SP5INQ	OE8RT	RN7G	VE1DX
AF9H	SP7GAQ	RA3WDK	W4NL	VE3LYC
AI0O	VK6VZ	SP4K	213	W0ZR
E72A	W2RQ	UT7UV	DF2IS	W7KNT
K4HB	223	WA2UUK	EI3IO	W9OO
N2WK	AB0X	218	HA1RW	WP4U
OH2BEN	DJ8NK	DJ4PI	JA2IVK	208
UW5ZM	HA7TM	DK0PM	JF6DSZ	G3NSM
VE3DZ	JH2TPI	IK1YDB	K1ST	I4LCK
WB6RSE	RT6T	JA8CDT	LA7JO	JA9FPI
227	SV2JAO	K0EU	NA2M*	JF4VZT
DL7HU	UR5FEO	K5UO	RU4SO	K2FU
ES1RA	ZS4TX	UT4MF	W0LYI	K5RT
IK0HBN	222	W5PJR	W1FJ	N5ORT
IK6FWJ	IV3JVJ	217	W2WG	RU3ZX
JA1UQP	K3SV	DM5EE	W3YY	UN5J
JA2NDQ	K6EID	JH1IFS	WS9V	UY1HY
JA9CHI	K8FH	K5PC	212	W6PJ
K1FK	K8ZTT	ON6YH	AA9A	W9EWZ
K3NW	N5AW	UA3AGW	DL9GFB	207
W9BF	N5JR	216	F6DAY	K1DT
226	N8PR	JA6LCJ	K4MQG	K1LPS
DL5WW	N9BX	JA9PPC	K8ZH	K3JT
I3BUI	SM0CCM	K5EJ	KE9I	K8EUR
JA6BZI	221	N4PQX	KG6I	N9AU*
JF2KOZ	JA2WYN	N5UL	N1ZZ	PY2BW
JR6EZE	JJ3PRT	OE1ZL	N4MM	W0LS
K9FD*	K4MWB	RZ0AF	NX0I	206
N6JV	K8SIX	W0GJ	OZ1AXG	IK0IOL
ON4GG	N6VR	W6XA	SM5CZQ	JA3PIS
US0SY	W1ZK	YO7LCB	W1ECT	K2VV
UT5JAJ	W6JRY	YU3AA	WB9CIF	K3LR
VE6WZ	WS6X	YV1DIG	211	K5AQ
W0VTT	220	215	EA1RT	K5MC
225	AG8B	AD5A	IK4DRR	K8AC
A45XR	DK2NG	IZ8FWN	JA4DEN	KG9N
JH7PFD	HB9LCW	JH0INP	K3WA	N8DJX
K1MM	HL5IVL	K3JGJ	RU3SD	PY2XB
K5AB	JR4OZR	N7JW	WA5VGI	SM6BZV
K9FD/KH6*	KA1R	RA1QD	210	US0KW
N4CH	N1LN	W0UO	I8SAT	VE3BW
RA3QK	VE3EXY	W2LK	JA7MSQ	205
RV1CC		W6YI	JJ2LPV	F6EXV
RW3XZ			UW7LL	I4KDJ
			W7JW	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 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	JR7BDQ	N7IR	WC4X	KR4F
KB4ET	K8WK	N7XR		N4QQ
S57AC	N2PK	PE1L	171	N8BJQ
US8UA	OK1MG	SP1MGM	AA9D	PA7F
W2YJ	S57UN	TF3SG	DL6KR	SP5GH
	SM4DDE	VE3FF	G0EHO	W4SVO
183	SV3FUP	W8HC	HA9PP	W6VX
CT3MD	W8KEN	WX0V	JA6HUG	W8OI
IT9INO			JR1TNE	WA0MHJ
K4CN	178	174	K1NU	WA5YNB
K8RRT	4Z5CX	4Z5MU	LA5LJA	
K8VC	EA3CJ	JA0GJJ	N0RN	167
N9MB	JA4MRL	JA1PPW	N4OGW	DK5AD
NN2L	K2UR	JA2XW	N7RO	EC3A
ON6SAS	NE0U	JA7MOL	N9RC	EI6FR
W2FP	SM7DLK	JF7DZA	RA3DNC	JA6VQA
W8NW	SV1JG	JK1OPL	SV1LK	K6KO
	W6NWS	JR6PGB	UN9L	K8NK
182	W7MEM	K0TT	WA9PIE	K9MBQ
DJ9ON	ZS1LS	K1KI		N0IJ
DK3UA		K2KA	170	N3BNA
HK3W	177	K3AJ	DJ6TK	OH2BLD
JA1SHE	9H1SP	K4TR	JA6JPS	PA3C
JA3ENN	AE5E	K4WS	JE3ENP	RA1AOB
N3OC	CT1GFK	N1EN	JF1WPB	RN9N
UR3EO	IK4ADE	OE1WHC	JM1GYQ	S51EC
	K3WC	RN7F	K6ZZ	VE6WQ
181	K4RG	UA3LNM	KI5BLU	W1YW
DK3WW	K9NU	W8UV	N4PY	WA4LOX
JN4MMO	SM6DHU	W8VVG	SP3GTS	WC5N
K2EP	W2OR	WT8C	SV3KH	
LZ2ZG	W5LT		W3IP	166
VE3OSZ	W7FI	173	W9EVI	4Z1UF
W9AJ	WB7B	5B4ALJ	WA3AFS	DJ4SO
		I1JQJ		HB9FMN
180	176	JA9TWN	169	IV3TDM
DM2DXA	EU1AB	JG0CQK	IK0PEA	JA1FNA
DM3VL	I6FLD	K1NTR	JA1ADT	JA9LJS
EA8JF	JA0DET	K4XR	JE2LPC	K1KA
JA2BDR	JA5IU	K9YC	JR1IZM	K3KY
JE2URF	JA6BJV	KA1J	K1LI	K4JLD
K6SSS	JA8KSF	N5FG	N4XX	K4PB
K7BG	JL1SAM	PY5EW	N7US	K4WA
LA9AJA	K8MN		UT8MM	K4ZYU
N1RR	N5OK	172	UY5AA	RM3DA
N4AH	OK1DWC	EA7TV	W6RW	W0DJC
ON5FP	RL3FA	G0BLB	W7Yaq	W1RR
UT2UB	SM5FUG	G3NKC	WB3JFS	W8ILC
W1RM	W4BP	IZ5MOQ		WA8TXT
W7BEM	W4GD	JA3FGJ	168	
W8TN	YO7NE	JG3IWL	G3MXJ	165
		K0DEQ	IK2EGL	DL7UCX
179	175	K1BD	JE7JDL	F6HDH
CT1FPQ	JA1CHN	K6FG	JF2UPM	I2ZGC
IT9ELD	JS3CTQ	KJ0M	K4XD	IK0AGU
IW0SAF	K4DLI	W3JX	K5QY	JE7RJS
JA9NLE	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	KR2Q	K2AX
W5BN	OH6RA	AC6DD	NX8Y	K2FW
	VK3HJ	DL6MRS	W1NA	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	DF2RG	W7RH
N5WA	JE2OVG	NE9Z	DL3ZA	WA1Z
RA3ZH	JF2XGF	RU4UR	G3TJW	WA2BCK
RN3OG	JR7MAZ	SM3PHM	HL2CFY	WP4G
SV2AEL	K3MSB	SV8ZS	JF1IRW	
W4DKS	NR4M	W2TA	JR9OPJ	150
W4NS*	RU6L	W5GZ	K7SP	EA1AF
WW3S	UA0FZ	YV2IF	K8VFX	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	W2XI	AA7G	R8TX
161	OZ1HX	WE1P	CU2AP	SM6CUK
DK2GZ	RU6M	ZS6EZ	DK2OY	UW7UA
DL6RAI	SM4EMO		EI9JF	W0GG
HB9DHK				

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

142

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
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HB9FMT
JA1PTJ
JA2ATE
JA9RRH
JH1HHC
JL1UXH
JR2LJO
K2RW
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NJ3K
OE6VIE
SV3FUO
W2CG
W3BW
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W4WT
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140

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OH6NIO
ON7DR

UN1L
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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

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
K8NS
LA9GX
RA3CO
RG7G
UU1JA
W1ITU
W5ODD
WB5JID

136

E72U
ER0FEO
HB9IQB
IK8CNT
JH4HMG
K0TV
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

W1EQ W2GD W4BUW W4MBD W4RFZ W6JTI WE4S	K6YUI K9ZM N6HY OZ2RH SM4BZH SM6BGG SP6M VE3CRG W4AXL W4RBO W4WM W5SL W6DR W7AH W7CD W9FR WB3D XE2S	K6SIK K7LFY K8BCK K9GL KO8SCA NA4EA NO9E OZ2ABI PY5EG R3VA R5QA R9AB RU1AO S51NM SP6JIU TA1CM VE3DO W2MPK W9ZT	SV3DCX US8UW VQ9LA W2WC W4IS W6RKC ZS1A ZS6UT	W8MK W8REW W9ILY WB0O WB2REM WD4LBR YU1EXY
134 CT3HF IK4DCS JA7LGE K1TO K1ZN K3OX KX4TT N9MR* N9RS NA5DX OE1TKW PY5HOT RG6G RX4HW SM0BYD SV5DKL UA0ACG W4JKC YU1AM	131 DK7YY G3UHU HS1NGR IV3KFB JA0AOO JA2TBS JH4ADK JJ1TEA JM1FHL K1UU K5VIP K9DR KC2LSD KH2L KM3V KM4H N3MK N4QWZ N5PHT N6RK ON4ON R0SR R9MJ R9SA W8DCH	129 HA1RB HB9AZZ JA1NWD JA8JO K4TT K6XM N0YY N3KS N3RR W0YVA W7QHE W8MET	127 CT3KN HK1MW JA1DDH JA1WLO JA8RJE JA9KRO JH3AIU JS2LHI K0RW K3TRM KM3T N1AC N1GC OE8HIK PA3EWP SK7AX SP6A SP7ASZ W0CP W0RT W1OPD W3BG W3FOX W3MF XE1KK	125 9A1AD AG1A GW3TMP HK4SAN IK5DNF JA4IYL JA6VU JE1TSD JE6UWU JF2WXS JH1AGU JL1RUC K1HAP K5KG K8DV KA6BIM KI4WCQ LZ1XL N2KA N3EN N4JT N9RD ND5S NW6S OE1AZS RA0BA UU7JM VE3UTT W5DAW W8LMG W9CG* WV4TN YO2RR
133 9K2NO EU1U IZ8DFO JA7GLB JA9AGN JR6FC JR7FRW K2CDJ KS4YT KU2A OE1KM ON4CAS RA5BM RV4LC UQ2PZ VE3WT W0NFL W2QO W5AJ	130 DF9ZW E73M EI2JD G7VJR HK0HEU JA2FBC JG1DUZ JI4POR K2MYR K3NK	128 AA4SC DM2RM IT9ZZO JA2AHH JA2KSP JA9AA JE1LFX JH4GJR K0FF K3XA K4JAF K4SE K6LPO KG7CW KM4NS N5KM OH1ZK OZ1IKY R9SG S53X S55DX SM3GQP	126 DJ8WD DL9FCY F8BPN G4IUF IZ7EVZ JA1XCZ JA7KY JH3CUL JJ1DWT JN1RQV K2ZD K4JKB K4XU LB7ZG N8NA OE3SGU OK3CQD PA5TT VE3CX VE7BV	124 AA7XT IK3VBB JI1DHY KD4POJ NA2U PA0TCA UA0BA VA7CRZ VE1DUN W2JU W2RIJ W3FM W6CYX

123	RD4A	N4LR	118	NY4G
AB1OC	UU4JMG	N4TB	5T5PA	OZ5HP
AC4TO	VE6AX	N4TL	AB2E	SM7BIC
DL7JRD	W2TB	N4UFP	DL5OCE	SP8HKT
F4GTB	WA3I	N8PW	JA4FHE	UA6J
G4WFQ	WA7BNG	OE3EVA	J18DGO	UB3A
G5LP		OZ2A	JN7DOS	UR9IDX
HB0WR	121	PZ5RA	K3WGR	US1CT
IK2CHZ	AA6RR	RL3BZ	K4CNW	VE3YF
IK3XJP	DF1DB	SP7ITB	K7PI	W4ZRZ
JA0CRG	DK1EI	SV1IW	K8LN	W6SL
JA1SJV	DK6CQ	UR5IKN	K8WVA	W8ZR
JA3MHA	EI2GLB	US0YA	KD2T	WA2USA
JA6WJL	HB9DHG	W0RX	KD6UO	
J14WAO	IK2SGB	W2YR	KG8CW	116
JK1EXO	JA2HYD	W3OA	KV4AA	AJ4F
JR1EBE	KD8RQE	W4PRO	LZ2HM	DL7URH
K2PK	KG9Z	W6RFL	N2MM	EA5BRE
K3XO	N0OK	W7RN	N4DJ	HA7PF
K4ZIN	N1JP	WT4Q	PY2PA	IK0EIE
K5GH	N3ND	ZL4AS	RN3TT	IK2OHG
K7UT	N6HC		SV9COL	IT9TQH
K9CS	SV1AHX	119	TA2RC	IV3HYD
KV4T	UQ1GWW	AA3AZ	VK4CAG	JA1WTI
N2ED	UT4EO	AA4DD	W1KSZ	K1DC
N4DWK	UU2JQ	AE3T	W4DAO	K1RI
N6MZ	VA3AYA	AJ4A	W4NJ	K9FN
N9JV	W0QQ	DK3GG	W5JMW	KT1V
N9LQ	W2GG	EW4M	W9FI	KV1J
NA2P	W3RJW	G4DJJ	WX3P	NA9Q
NA9RB	W6XI	HB9AAQ	YO4AUL	OZ1LCG
S50B	W9XX	HB9BCI		PA0JSE
UA3DK	W9YE	I2TZK	117	RV3ID
UR9QQ	WA1PMA	I4MKN	9Y4VU	TZ4AM
UT3QU	WY1G	IU0LFQ	AA8CH	UA4PCM
W1AO	XE1VIC	JA3AZD	AE0P	W1ENE
W4NF		JA4XGC	BH4IGO	W1WEF
W8NJR	120	JE2JMV	DL1DWT	W7GG
WB8K	9A5F	JH6CDI	G3PLP	W7OEV
XE1H	AA5JF	K3FRK	IT9AAI	W8LRO
	AC9EM	K5UZ	IT9DAA	WQ5L
122	AL7TC	K7EG	JA1HQT	
BA4RF	DL2VWR	K8KWT	JA4FM	115
G3NDC	FG5FR	K9SG	JA7GYP	C6AGU
JA1MRM	HB9BLQ	N0KV	JA7IC	CU2CE
K1BZ	IZ0LKV	N9UA	JM3GXU	DL9GOA
K1ESE	IZ5NFD	NT2A	JR2UBS	G4XEE
K1YT	JA4EPE	NY7T	K2BB	G8BCG
K2MP	JR3UIC	OH5NG	K3NF	G8DX
K7ZA	JR6LLN	OK1DT	K6PJ	HA5UK
KR0P	K2BA	R6FFB	K8OOK	HK3PJ
LA7WCA	K2HK	SV1ACK	K8QM	IW0HEX
LA8PT	K3QIA	W4HZ	N2BJ	IZ7JVR
N3NR	K5JC	W8FIB	N4IR	JA2KNW
N9AW	K6FW	WC2K	N6MB	JA3NHL
NN7X	KA8ZPE	WP3R	N8AA	JA5FDJ
OZ3Y	N4BAF	XE1RCS	N8XI	JG3LGD

JH1RFM	WA9YYY	DJ1RL	DK6ED	JA7EPO
K0GD	WN9O	DK5RL	DL1HRN	JE2UFF
K0SD	XE3ARV	DL5CL	EV1R	JH1VHU
K4CMS		EA1JO	F6ECI	K2BLA
K4GHS	113	EI8IU	G4DBN	K3JRR
K4GK	9A1A	EW1DO	HL3GOB	K3PH
K5XM	DJ5DT	G3XGC	JA1AUD	K4WW
K8YTO	DJ9RR	HB9CEX	JA1FGB	K6MI
LY4T	DL8CM	HB9CRV	JA1NCZ	K6VKO
N0IRM	DL8DYL	HB9G	JE2EHP	KB4MRX
N4OA	G4AFJ	IK2ANI	JE8TGI	KC2STA
N5BO	HB9EFK	IU8FRE	JF2WGN	LZ1PM
N8KOL	JA0GCI	IZ4DIW	K0FLY	N2CG
PA3AXU	JA1OVD	JA1SXR	K5WAF	N3HBX
RZ6MJ	JA4ITW	JA4BXL	K7ORK	N3IQ
UA1ANA	JH1ORA	JA7BXS	K9AJ	N3JB
UA1CGS	JH3GCN	JR7TEQ	KM1R	N4KE
UA6XT	K0TPP	K0JPL	KZ0X	NC6K
UN6T	K2HAT	K1EDG	LA0CX	NK7C
W4UCK	K8SL	K1EO	N4WJ	NY4I
YL2CZ	K9GWH	K1KO	N7BD	RD9M
	KA4RRU	K4UAS	N9HF	SM5BHW
114	KH6DX	K8CC	NA1DX	SP9WZS
AB4GE	KI0G	KB2FCV	UR6QA	SV1VS
BA4DW	KT1J	KI4DLS	UT1UY	UA3O
BA7IO	N7KO	KM1C	VE6KC	US7MM
CT3FN	N9ISN	LA8HGA	VE7CT	W0UY
CU3AK	NA3F	N5ZC	VE7UF	W3XY
DL6NB	NG0G	N6MA	W0VHF	W4DC
F6CWA	NI5F	N6PE	W1FO	W4NE
G3SDL	NK5B	RU4SU	W4HOG	W5ZPA
HP3TA	ON5UE	SM3DMP	W4OX	W6KK
I5OYY	R7NA	UA1ACG	W5AQ	WL7E
IK7YZG	RA4UN	UA1CEI	W7VS	XE1FAS
JA4KDT	RZ3AUL	UT6UD	W8KA	YU7AU
JA5WIZ	SM5ARL	VE7XF	W8MIL	ZL3NW
JH6WMJ	SP3EPG	W1HEO	W9RB	
K1RV	SV1FKZ	W2CVW	WA2BOT	109
K2DC	SV1JFV	W2SKI	WA2MUA	DF1KG
K3MD	SV2AVP	W3MR	WB4TDH	EA3GHZ
K3OSX	UN7TW	W3UL	WB9EEE	EU4T
K5CD	VE3KI	W4VHF	YL3DQ	F8EZE
K5RJ	W2GW	W5VX	YO6HOY	G3SVD
KB8U	W6BK	W6TC		JA2CXF
KZ4V	W8FAX	W8GEX	110	K2ONP
N1QY	W9DX	W8HMK	BA4MY	K4RDU
N2JJ	W9HBH	W9SE	DL1VDL	K5FZ
N3MN	W9VNE	WA8OLN	EA5BYP	K5KA
N4IQ	WA4DOU	WT9U	F5BAR	K5KPE
NU8Z	WB2HJV	ZP6CW	G3LNS	K6MW
UA3FT	WB2UFF		G8AJM	KE1F
W0VX	WS4C	111	HC1BI	KZ5DX
W4TUN	XE1RBV	AA4U	I2BBJ	N1BZ
W5VY	ZL1BYZ	AF4OX	IK5RUN	N2WLG
WA1FCN		CU3AN	IK8UHA	N7TY
WA4CEM	112	DG7RO	IZ0CKJ	N8NN
WA8MCD	A92IO	DK2WH	J68HZ	ND4V

NN4RR	W4ZYT	W3KB	UR3CRO	ON7PQ
NU4I	W7ACD	W6TDX	UT7UU	OZ4AAL
NX7U	WA2ALY	W8IW	UU5WW	PF7M
PY5CC	WA8MOA	W8VK	V73AZ	PJ2/K8ND
RW4UU	WB8BZK	W9CPV	VQ9SS	PY2DS
RW9QA	WC1M	WA0RVK	W1CWU	R6YY
RX3AGD	WC6DX	WB6CJT	W2EQ	RA6AF
TG9NX	WD9EQU	WB8ART	W2LE	RD4WM
UB5ZAL	WW1WW	WS1L	W2NO	SP5JXK
UT7KF		XE2YWH	W3ICM	UA6LCN
VU2CPL	107	YL1XZ	W4IR	UR1RWX
W5WP	4Z5LA	ZL3RJ	W5JAY	UR2RGN
WB5TUF	DJ8ES		W8OP	VE1PZ
WN0L	DK3FB	106	WA4MYO	VR2MY
YV3AGT	DL1QQ	AA4FL	WA6TLA	VY2ZM
	DL2CHN	AE2U	YL2GN	W1LE
108	DL5XU	DJ6OZ	YU3EF	W1LY
AI2Q	DO4DXA	DL2NOM		W4OWY
AL7R	EA5AT	DL3JSW	105	W5KI
DL6CNG	EA7QW	DL6JZ	DF2PI	W6FF
ER1LW	FG8OJ	EA3CCN	DF8AA	WQ5W
G3VAO	G4AKY	HA8DZ	DJ3XD	YU1NR
HB9BAT	G4RGK	IK0ZIO	DJ6KH	
HB9FAN	H18R	IW3GJF	DL4ZAB	104
IK0PRG	I5IHE	JA1VLK	DL6XK	9K2OD
IZ0BTV	IT9XTP	JA2MNB	DO1CTL	9M2AX
IZ2EWR	JA5EY	JE6IGP	ES1GO	AD1C
JA2MOG	JA6OXT	JG3HBO	G3YUV	AG4Q
JJ2PIK	JA8JTH	JG5RVQ	HA8FW	AH0U
JK1MZT	JH9DRL	JH2KKW	JA1BWA	CP8HD
K1EP	JR1BAS	JH6PFY	JA1TAA	CX3CE
K1XM	K0MD	JJ0NCC	JA4EVN	DK3BK
K2CJ	K3SW	JR0EQQ	JA6VA	DL4FAP
K2KQ	K3YBN	K0DEW	JA7BME	DL7UPN
K2MK	K4SAF	K1PX	JA8RRF	E73D
K4WY	K8LBT	K4DSE	JA9APM	EA8ZS
K4YJ	K8ZR	K5AM	JF1RYU	EI9E
K6UT	KB9DAK	K5ZQ	JO4CFV	F6AJA
K8OM	KE2R	K8JJC	K1DJ	F8GB
KM8AM	KZ1W	KD9HL	K2XF	G3BRD
KN4JX	N2RR	KK8X	K4MS	HB9CIP
LU2DKT	N3DAP	KK9H	K5AV	HK3O
N4MEC	N4RF	KP4AA	K7OX	IK0DWN
N6RFM	N6EE	KQ3F	K7PO	JA1SDV
N9SF	N8AGU	N0JZ	K9RO	JA2FGL
N9TF	NA5Q	N2CW	KI5T	JF1EGO
NU4Y	OE1CP	N2SQW	KT2E	JF6WTY
PA0ZH	OK2BUZ	N3XM	KX2A	JK1BSM
R5FY	OK3CQR	N8AID	LZ1JZ	JO1WXO
R7LA	R0FA	NA5Z	N2DPF	K0WK
RX6DX	RN4AA	NI5M	N4JI	K1BG
S57J	RV6ARZ	NS3L	N4NW	K3FM
SM6AOU	SP3BQD	OE5CSP	N4PL	K4KEW
UX7UN	SP6AXW	OH2OT	N4SC	K4MF
UZ6LWZ	US5CB	OK1AYU	N4VN	K4VIG
W2UB	VE3OI	OK2BVG	N6NU	K5HK
W3NRJ	VK3NX	S57AL	N7DR	K6UM

K7TJR	EA7SG	W0UVC	R3IS	JH3HGH
K9EA	EU6MM	W1CTN	RU3UN	JH3PRR
KA2BZS	EW3LB	W4AVY	S59DJK	J13KDH
KH6KG/W5	G3BDQ	W4MZ	SM6WET	K0LW
KI0KB	G4AAW	W5THT	SP5MXZ	K1YR
KW0A	G4PUQ	W5VU	T77V	K2BX
LZ2XF	G4VGO	W6SZN	UA1AIR	K2TER
N3ER	I0OSI	YO7APA	UA1CKC	K3SEW
N3TR	JA1JAT		UA6HOF	K4NNX
N4GU	JA2GQO	102	UA9MR	K5DNL
N4TTE	JA2OLJ	A6/RV6LNA	UA9UCO	K6AAW
N6PF	JA3FHL	CT4BD	UW7CN	K6XJ
N6WM	JA8EJO	DK3QM	VE2FYR	K7AR
N8MZ	JE1SYN	DL3DXX	W0JMP	K7IA
N9DR	JH1DGQ	DL3NCR	W1MRH	K8BN
N9PGG	JM2RUV	DL4CW	W1PV	K9JU
ND3L	K0EOO	DL4KUG	W2LW	K9PG
NJ9C	K2UVV	DL5RDI	W2TX	KC4PX
NN3Q	K4LQ	EA8AKN	W3EKT	KD3UY
RA1QX	K5JUC	EI4DQ	W4ALF	KE1VT
RU3UR	K7BTW	EI6GF	W5TO	KE4S
RZ6DX	K8CCV	ES5RW	W7IUV	KF7NN
RZ6LB	K9MUG	F6BWO	WA0IDK	KN6J
SM5CCE	K9XJ	FM5WD	WA1S	KQ1F
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SO5AS	KJ4R	I8LWL	WS4Y	LA2GV
UA9FGJ	KJ7WY	IT9SFT	WW5G	LA6UL
US5CAO	KM9E	IZ4MJP	YO2CMI	LZ1XZ
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UT7EC	N0RU	JA8OW		N2AJ
UX4UM	N1HOQ	K0YN	101	N5AQ
UY0MM	N9BBQ	K1PTF	AA2VG	N8AG
VE3VHB	NU1T	K2LP	AA3LX	N9JCS
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W3TMZ	OK2BQU	K4KAY	CT1JGA	OE3WQB
W5CWQ	OK3BRK	K5ZO	D44BC	OH3TY
W5GJ	OZ7JZ	K6DJ	DH2FW	OK1PGF
W5ZO	PA0GMM	K7BHM	DK9WI	OK2BOB
W6PH	R9GM	K7UA	DL1KS	OK3EY
W7DR	RA0FA	K8BHZ	DL3ANK	OK4MM
WA0I	RA4HT	KJ6NZ	DL5JS	ON4LG
WA9ETW	RK3QY	KN4KL	DM3ML	PA4WM
YC0LOW	RU3OW	KW4BY	EA1WX	RA3AH
YO5ODE	SM3CBR	KY6R	EU1TT	RA4P
	SM6EHY	LA3ANA	G3ZFC	RA4SD
	SM7BHH	N5RZ	G4FJK	RB7GG
103	UA3PFN	NZ3M	GM3WTA	RK9F
AG1I	US2WU	OH2EA	HB9NL	RY6M
AI3Q	UT2AB	OK1DTN	IV3GOW	SM2DMU
DJ1MM	VA2ZO	OK1JDX	IV3KCB	SM7NDX
DJ3GZ	VA3IC	OK3CSQ	JA1VVX	SP7JLH
DJ7PI	VE3EDY	PA7TWO	JA2VMU	SV1PL
DL2HX	VE3MFA	PV8ABC	JA6TMU	UA0FDX
DL8YRM	VE3VV	PY2DO	JA7SFD	UG6GAW
DM5TI	W0QC	R2AB	JF1RPZ	UR7CQ

UT1CC	IW0HQE	NG7A	YB1TJ
UT4IS	JA1BRK	NJ3I	YL2SM
UT7HA	JA1CPU	NN4SS	YO9FLD
VE2OJ	JA1ILA	OE5JDL	ZP9MCE
VE3XB	JA4FSH	OK1DXD	ZS2DL
VK2GR	JA5DQH	OK2PAZ	
W1AW	JA9CGW	ON4ANN	
W1FC	JF3DRI	ON7EH	
W1GF	JH7BKN	ON7GB	
W2SF	JS6TWW	ON9CC	
W3WH	K0LB	OZ1ZD	
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W5RF	K1NZ	R3PJN	
W7AV	K1TZQ	R9JX	
W7CB	K2CBI	RA3SD	
W8GB	K2CYE	RA4LW	
W9MAF	K3TZV	RA6XB	
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WC4H	K4UQC	RU3GF	
WK9U	K7VIC	S53MJ	
WR2G	K8BZ	S59SV	
WV9L	K8CR	SV1VJ	
YO2OXD	K8CS	SV2DSJ	
YO6BHN	K8LE	TI5CDA	
YV4DYJ	K9NZ	UA3AKI	
	KB0EL	UA4PAY	
100	KC0V	UA6CEY	
9M6YBG	KC4D	UN6P	
A41ZZ	KC5LT	UR4CW	
AA4AK	KD8BZY	UR4LRG	
AB4VV	KP4N	UR8IDX	
AC4VM	KQ5M	VE1RGB	
AI2S	LA8W	VE3OAT	
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	
IS0/YO3RA	NA6O	WB4SON	
IW0BYL	NB3R	WU2M	