

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 03 Sep 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	JA4LKB 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 OG2M 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	
335 OH2BU	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q	300 G3KMA I2ZFD JA4DND JA4LXY OE1WEU PA3FQA SM3EVR VA3EF
334 N4WW	321 WB9Z	312 OH1MA S54E	305 CT1EEB JA7NI K4ZW N4IS NN4T UA6A	299 K4TEA N1BUG SV1FJA UX1UA W7UT
333 R7LV	320 K8MFO SM4HCM W8UVZ	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I RA7A RZ3AM SP2FAX	304 DJ0MDR GM0GAV SM3GSK	298 9A2AJ DF2UU IK2DFZ JA2JPA OE6IMD OZ3PZ SM5CEU
332 UR0MC	319 N0XA SM4CAN UT5UGR			
331 K5UR LZ2DF UT7QF	318 4X4DK W9ZR			
330 AA1K HA0DU OH1XX R4GM	317 W3LPL	310 I4AVG RA3CQ SM5BFJ SM6CVX	303 F5LGE G0JHC GM3YTS JA1BK	
329 K3UL UA4HBW	316 K5RK OH3SR			
328 UA4CC				

297 DK5PR N4CC OM2XW RA3DX W0FLS	289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	OH3BU OK1AWZ VE2TZT	W1ZC
296 DF3GY F5NTV G4PWA ON5NT RY9C SV8CS 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 SP6AEG UW2ZM	268 DL5DSM G3WPH K8PT RA3XDX W1MK
295 K3UA			274 CT1EKY G3TXF JA8ISU K1ZZ KF2O W6UB	267 LU8DPM RZ3DX
294 DL1AMQ JH2FXK LA5HE RJ3AA WD5COV	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	280 EA6NB SP6HEQ YO3APJ		266 G4OBK NR1R R3LA W8TE W8XD
293 JH4UYB N0TB S58T	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN SP5CJQ UA6MF	273 IK8HJC K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM	265 AA4V* AA6YQ AA7A EI7BA K4XP RW0LT SP5DIR W1GL YO5BRZ
292 G4BWP IZ0AEG JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	285 G4CCZ UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU DL1DUL DL2OE OH1LEU PA7MM SP6CIK	264 IK2YCW K7ZV
291 9A7V I5NPH KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	284 K5XI SP3DV UX1AA	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED JA5AUC OZ1CTK SM5KNV	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP
290 UA3AKO	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW	270 AA1V LA3MHA OE5KE SV8BHN	262 G0DQS IK5HHA KR9U N5KD W1YY
			269 K6ND KD5M RV3LO SP9JZU	261 9A4T DL9YX K2EK K5KC N6SS

NO8D SP1S	253 5B4AGN AA1QD IV3YYK K5ESW S58Q UA1OMS W0YG	246 DJ2TI F2JD JF8QNF N6TR TF4M UR5EDX W2TQC W5XZ	240 EA6ET G8VR JA5MHD JR3GWZ K0JUH K0KT K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA	EA6VQ JA0FSB JH4ADV K3SWZ N6DX OK1CF R7DX VE3XN WA7NB WA7NS
260 EA5BM K1LT K4DY UT9FJ	252 EA1DR JA2VPO JF2MBF JG3QZN JQ3DUE JR3IIR ON4AOI PA4VHF R5DT S52F W3UM	245 DL4CF JA1GV JA7QVI K2FF N9US RL9F RY7G W9XY	239 AJ6T K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK UW5ZM	234 IZ8FFA K1AR K4UTE KF0QR PY1BVY S51DI
258 KW9A N2NL RN3CT VE3QAA	251 DJ7RD DL9RT JH0BBE N4II PY2RO W5UN W7LR	244 AG9S DK6WL F6BLP IK0XBX JA1HGY ON4IQ	238 DL8WN IK0XEZ IZ1LBG JA0DAI RA0FF VO1HP W3LL	233 DJ5FI K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO
257 K1GUN K9NW N8TR W9YSX	250 HB9RG NQ1K OZ8BZ	243 DK2JX DK3DG IK0MHR ON4ATW S57A SV8CKM W9RPM WX4G	237 AC4G DL7MAE IW1ARB NI0G OM4EX	232 EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP
256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL SV8GFW W1TSP W3DF	249 AB3CV AI9L K9RX SP5DRH	242 EA4KD KG7H	236 AB4I 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 T77C W9NGA	241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT VE1YX VE3NH	235 CX6VM	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF
254 I1EIS N0AT OM3DX WA4FFW	247 K0IEA K6XT NN4X NO2R R7IA WB3AVN YO9HP			

W4VQ	SP8NR	219	214	209
229	VA5DX	IK3VUU	DL7BA	DL5CF
CT1FJK	W7KW	JA2FBY	HL3IUA	DL9MRF
DJ4AX	224	JA2FJP	IZ8VYU	EU1KY
JA8FKO	MM0EAX	KV7K	JA2JW	HB9CXZ
J11BEX	N0AV	LA7GIA	K4NA	HB9DDZ
OE5NNN	N8BM*	LB8DC	LA4GHA	JA0UUA
RO7T	SP5INQ	OE8RT	LA7JO	N9LB
228	SP7GAQ	RA3WDK	OK1DX	VE1DX
AF9H	VK6VZ	SP4K	RN7G	VE3LYC
AI0O	W2RQ	UT7UV	W4NL	W0ZR
E72A	223	WA2UUK	213	W7KNT
K4HB	AB0X	218	DF2IS	W9OO
N2WK	DJ8NK	AD5A	EI3IO	208
OH2BEN	HA7TM	DJ4PI	HA1RW	G3NSM
VE3DZ	JH2TPI	DK0PM	JA2IVK	I4LCK
WB6RSE	JH2TPI	IK1YDB	JF6DSZ	JA9FPI
227	RT6T	JA8CDT	K1ST	JF4VZT
DL7HU	SV2JAO	K0EU	NA2M*	K2FU
ES1RA	UR5FEO	K5UO	RU4SO	K5RT
I3BUI	ZS4TX	UT4MF	W0LYI	N5ORT
IK0HBN	222	W5PJR	W1FJ	RU3ZX
IK6FWJ	IV3JVJ	217	W2WG	UN5J
JA1UQP	K3SV	DM5EE	W3YY	UY1HY
JA2NDQ	K6EID	JH1IFS	WS9V	W6PJ
JA9CHI	K8FH	K5PC	212	W9EWZ
K1FK	K8ZTT	ON6YH	AA9A	207
K3NW	N5AW	UA3AGW	DL9GFB	K1DT
W9BF	N5JR	216	K4MQG	K1LPS
226	N8PR	F6DAY	K8ZH	K3JT
DL5WW	N9BX	JA6LCJ	KE9I	K8EUR
JA6BZI	SM0CCM	JA9PPC	KG6I	N9AU*
JF2KOZ	221	K5EJ	N1ZZ	PY2BW
JR6EZE	JA2WYN	N4PQX	N4MM	W0LS
K9FD*	JJ3PRT	N5UL	NX0I	206
N6JV	K4MWB	OE1ZL	OZ1AXG	IK0IOL
ON4GG	K8SIX	RZ0AF	SM5CZQ	JA3PIS
US0SY	N6VR	W0GJ	W1ECT	K2VV
UT5JAJ	W1ZK	W6XA	WB9CIF	K3LR
VE6WZ	W6JRY	YO7LCB	211	K5AQ
W0VTT	WS6X	YU3AA	EA1RT	K5MC
225	220	YV1DIG	IK4DRR	K8AC
A45XR	AG8B	215	JA4DEN	KG9N
JH7PFD	DK2NG	IZ8FWN	K3WA	N8DJX
K1MM	HB9LCW	JH0INP	RU3SD	PY2XB
K5AB	HL5IVL	K3JGJ	WA5VGI	SM6BZV
K9FD/KH6*	JF3KON	N7JW	210	US0KW
N4CH	JR4OZR	RA1QD	I8SAT	VE3BW
RA3QK	KA1R	W0UO	JA7MSQ	205
RV1CC	N1LN	W2LK	JJ2LPV	F6EXV
RW3XZ	VE3EXY	W6YI	UW7LL	I4KDJ
SP3CGK			W7JW	JA3AAW
			WP4U	KA9FOX

LA7HJA
W8UN
WB8ZRL

204

DJ5AV
EA5KA
F4BKV
IK7NXM
JA9NFO
K4JJW
K9US
KK4SI
LX2A
N4NX
N4QS
N7FU
SM2OAN
UA0SR
US6EX
W2HUV
WD8PKF
WF4U
W18A

203

AA5AM
JA2XYO
JE1PNX
K4XO
K9MMS
KK2I
NK1K
OH1TV
PA0A
R6AF
W7DO
W8GC

202

DL1MGB
DL2KQ
DL9DRA
JA2JNA
JA3CSZ
JA5AQC
JH3VNC
JI2KXK
K2NV
K9YY
LY1G
N5ZM
N7KA
OK1DOT
R9TO
RA3S
UA9FAR

WA2HZO
ZL3IX

201

AG4W
CU2DX
DL1EJA
JF1PUW
JO7WXN
K3HP
W0MHK
W2IRT
W5TCX

200

G0OIL
JA1GTF
JH2RMU
K1GE
K1GG
LA5YJ
RW4NN
RW7M
UY0ZG
W0DD
W1NT
W3GG

199

DK2LO
G0BNR
HB9DDO
JA2DPC
K6GXO
KB8VAO
N4DW
W1TO
YO2DFA

198

DL1ROJ
G3UJE
G4BUE
I5KKW
IT9JNR
JA4PXC
RX3APM
W8HB

197

G3SNN
IK0FVC
JE1BMJ
JH2UVL
K8NVR
OE4PWW
OE5FIN

ON4CD
RZ6FA
UA0SC
UT5EL
W0FS
XE2X

196

4Z4DX
AA4HP
IK4PLW
JA3RAR
K8PO
KP2A
ND0N
RA9CMO
RZ4FO
W2FCR
W4UM

195

EA3JL
EA5RM
G3ZEM
JA0EOK
JA1EOD
JH1QAX
JN7FAH
K3PA
K7SO
K9RT
KF8UN
N1SV
W5ZG
W9OP

194

K4KDX
K9JF
KB9LIE
LA7AFA
SM7GIB
W2LO
W4FC
WD8JJA
WN6W

193

CT1IUA
DF2GH
DK1FW
DL5ZB
DL6ZXG
EA3WD
HA5BSW
JA1XEC
K4ODL

N5LZ
N9EN
PA0LOU
RN1ON
UA0CA
W9MU
WA2VYA

192

9A2NA
JA7JWF
JH1RFR
K3FN
K4FJ
K5XX
K7GM
K9EU
KF7PG
N4DB
OH2IS
W3UA
W3YQ
W8LGJ

191

CT3MD
JA1ANR
K0JGH
K8FC
K9LA
NE1B
RK2FWA

190

IZ8XQC
JA1DUH
JA1MCU
K0BBC
K2TE
K9KU
KM1D
N4XU
N5GH
SP2LNW
VE7VV
WE9R

189

9A2F
AA1ON
EA8PP
FM5CD
JA0VSH
SP7HOV
UA7T

188

AB4IQ
CT1FMX
JA1KQX
KB0EO
KB1EFS
KE9ET
KL0S
N8LJ
RM0F
SM0NJO
W1YM
W6SR
W8JV
WA3C
WA6YEE

187

AJ1H
K0SR
K6SRZ
KN5O
LA0FA
N2NS
OK1CZ
W7AWA

186

9A8A
IK2QPR
JA8DNV
K0BJ
K7LAY
YL2TW

185

AB6QM
CT1EAV
EA6BF
G3KWK
IK3SWB
JA2LCP
K5ZD
LA3WAA
N4TJ
N5UR
OE2BZL
SP3FAR
SV1DPI
UA9CBO

184

HA5WA
JA2ZL
JF1NZW
K4HGX
K5KLA

KB4ET	K0TT	K4DLI	W4FQT	KR4F
S57AC	K8WK	K5GKC	WC4X	N4QQ
US8UA	N2PK	LA5LJA		N8BJQ
UT2UB	OK1MG	N7IR	171	PA7F
W2YJ	S57UN	N7XR	AA9D	SP5GH
	SM4DDE	PE1L	DL6KR	SV2AEL
183	SV3FUP	SP1MGM	G0EHO	W4SVO
IT9INO	W8KEN	TF3SG	HA9PP	W6VX
K4CN		VE3FF	JA6HUG	W8OI
K8RRT	178	W8HC	JR1TNE	WA0MHJ
K8VC	4Z5CX	WX0V	K1NU	WA5YNB
N9MB	EA3CJ		KI5BLU	
NN2L	JA4MRL	174	N0RN	167
ON6SAS	K2UR	4Z5MU	N4OGW	DK5AD
W2FP	NE0U	JA0GJJ	N7RO	EC3A
W8NW	SM7DLK	JA1PPW	N9RC	EI6FR
	SV1JG	JA2XW	RA3DNC	JA6VQA
182	W6NWS	JA7MOL	SV1LK	K6KO
DJ9ON	W7MEM	JF7DZA	UN9L	K8NK
DK3UA	ZS1LS	JK1OPL	WA9PIE	K9MBQ
HK3W		JR6PGB		N0IJ
JA1SHE	177	K1KI	170	N3BNA
JA3ENN	9H1SP	K2KA	DJ6TK	OH2BLD
N3OC	AE5E	K3AJ	JA6JPS	PA3C
UR3EO	CT1GFK	K4TR	JE3ENP	RA1AOB
	IK4ADE	K4WS	JF1WPB	RN9N
181	K3WC	N1EN	JM1GYQ	S51EC
DK3WW	K4RG	OE1WHC	K6ZZ	W1YW
JA2BDR	K9NU	RN7F	N4PY	WA4LOX
JA9TWN	SM6DHU	UA3LNM	SP3GTS	WB0TEV
JN4MMO	W2OR	W8UV	SV3KH	WC5N
K2EP	W5LT	W8VVG	W3IP	
LZ2ZG	W7FI	WT8C	W9EVI	166
VE3OSZ	WB7B		WA3AFS	4Z1UF
W9AJ		173		DJ4SO
	176	5B4ALJ	169	HB9FMN
180	EU1AB	I1JQJ	IK0PEA	IV3TDM
CT1FPQ	G0BLB	JG0CQK	JA1ADT	JA1FNA
DM2DXA	I6FLD	K1NTR	JE2LPC	JA9LJS
DM3VL	JA0DET	K4XR	JR1IZM	K1KA
EA8JF	JA5IU	K9YC	K1LI	K3KY
JE2URF	JA6BJV	KA1J	N4XX	K4JLD
K6SSS	JA8KSF	N5FG	N7US	K4PB
K7BG	JL1SAM	PY5EW	UT8MM	K4WA
LA9AJA	K8MN		UY5AA	K4ZYU
N1RR	N5OK	172	W6RW	RM3DA
N4AH	OK1DWC	EA7TV	W7YAQ	W0DJC
ON5FP	RL3FA	G3NKC	WB3JFS	W1RR
W1RM	SM5FUG	IZ5MOQ		W8ILC
W7BEM	W4BP	JA3FGJ	168	WA8TXT
W8TN	W4GD	JG3IWL	G3MXJ	
	YO7NE	K0DEQ	IK2EGL	165
179		K1BD	JE7JDL	DL7UCX
IT9ELD	175	K6FG	JF2UPM	F6HDH
IW0SAF	JA1CHN	KJ0M	K4XD	I2ZGC
JA9NLE	JH2QMT	VE6WQ	K5QY	IK0AGU
JR7BDQ	JS3CTQ	W3JX	K8RYU	JE7RJS

JH7CFX K5JZ KK4CB N4HB N9FN NY0V RC9F SM4CTT SP6EQZ W5BN	HB9DHK JA1DOF JH4ALY K1USA K5GO K8ND LB2TB N4GN OH6RA VK3HJ YU2TW	OZ1HX RU6M SM4EMO W0SZ W1OX W2XL W3GQ W4QN	ZS6EZ	151 AA7G CU2AP DK2OY EI9JF F3SG HB9SLO JA2VQF JA6BEE JH1NYM JR1XIS K2AX K2FW KD0PO N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7CT W7RH WA1Z WA2BCK WP4G
164 GU4YOX HA7UW HB9BZA JA1RTX JA7ZP JH2SON K1NJ N5WA RA3ZH RN3OG W4DKS W4NS* WW3S	160 AD5Q DK1WB DL1DA IK0FUX IW2FND JA2EPW JE2DZC JE2OVG JF2XGF JR7MAZ K3MSB K3RA NR4M RU6L UA0FZ UX5UO W1BR W5XC W9RN WX0B	157 AA4H AC6DD DL6MRS EA5BY G3TQZ JA1GHH JH7IAJ LY5A N5MOA NE9Z RU4UR SM3PHM SV8ZS W2TA W5GZ WS7L YV2IF	154 3V8SF GM3PPE HB9BUN JA8NFV JL1RUC JR3OEH K0KVR KR2Q NX8Y W1NA W5DNT YS1RR	153 AA6AA AJ9C DF2RG DL3ZA G3TJW HL2CFY IZ3ENH JF1IRW JR9OPJ K7SP K8VFF LZ1PM N4TV N5TW N8II R9OK SM6CLU SP5CCC UT5UY WB8BPU
163 9A2JK DJ9HX JE2LUN JH4CPC K7NN K8TL OK2QA UR4CWQ VE3CFK W7AL	159 JA4FKX JH6QFJ K4RO OK2ZV UN7JX W3HKK W6BJH W7SX WD5BJT	156 AB9V DL4MM IZ8IEV JE3GRQ JO7HAM K0QC K8YSE KS1J N3RC N3UA N7WS OE5RLM UA3SAQ VA3LX W1YIF W4TV	152 EW2A JT1CO K9MK KQ4AV KS3F N9OY S55ZZ UA6IGI UN7LZ UT5AB VE6LB W1SKU W1VT W6RLL W7AJ WB3CQM	150 EA1AF IV3RAV JA1SVP JA2NQG K0RS K5TR K7LV K8AJS KU4XO N3QE N9CO OE8SPW SQ5EBM SV1CNS UA6YW W2/CT1GIF W6DAO WW2DX
162 4O3A 9A4W F3AT HB9TKS IZ4DPV JA6GIJ JR5JAQ LB6KC N8MR RW3RN W0HT W0TT W1LW W8WEJ	158 DJ4PT DL1FKA G4GIR IT9DSZ JA9APS JH1TWT JI1FXS JI1NJC JR1GJP K5TT K9GA	155 CT1FCX DL1RK DL4SZB HB0CC K2LS NE0DX NW7E SM6VR W2XI WE1P		149 DL7CX HB9HFN IK4FNF JL1ARF K3TN K4YYL K8ME K8ROX R8TX
161 DK2GZ DL6RAI				

SM6CUK	JE6TSP	W0IZ	K6KLY	W7OM
UW7UA	JJ3HGJ	W6QUV	KF8DX	
W0GG	JK1AJX	WB8ZRV	N4XP	137
W7HPW	JN1BMX	WD9DZV	OH6NIO	EA1YO
WB8B	K1OA		ON7DR	GM3YOR
WD5K	K3VAT	142	UN1L	HB9CQK
WS5W	K4OY	I5HOR	VE6SV	IZ2FOS
YO3DDZ	K8BL	IT9BLB	W0SEI	JA3APU
	KF6HI	JA2ATE	W4NU	JA4OK
148	N1CGP	JH0BQX	W7IV	JH4JNG
DK2CC	N4GG	JR7WFC	W8LWU	K2QMF
F5CQ	NA5C	K3PP	WO2T	K8NS
F5LVL	RT0F	K4WZ	YL2MU	RA3CO
F5PAC	SM3DTR	K6EME	YO9FNP	RG7G
G4FTC		KK1W		UU1JA
JH1QDB	144	LA9VFA	139	W1ITU
K5VWW	CU3EQ	MM0SAJ	DF7EE	W5ODD
LA6OP	DL5CW	N2ZN	DJ4XA	WB5JID
N2WB	DL5KUA	N7QT	DL5EBE	
N5XZ	E70T	NA4D	DL8OH	136
NE3F	EI6IZ	NQ7R	DS1JFY	E72U
W5FKX	GM3ITN	NY2NY	JA1TMG	ER0FEO
W9JJB	HB9BYQ	OK1DO	K3ANS	HB9IQB
	I5MXX	W2OO	K6AM	IK8CNT
147	IT9GSF	W5LUA	K8GI	JH4HMG
EA3GP	IV3DXW	W5VQ	K8RF	K0TV
IV3VBM	IZ4GWE	WA5POK	KA8SYV	K4ZO
JA1XQC	JA3GN	WB8CQV	KU0A	K7TM
K7HP	JE1FQV		LA8WG	KR6C
K8UT	K0VSH	141	OK1MP*	NA5DX
KM1H	KJ9C	AC9S	SM5CBM	OK1DW
N1IBM	LA9GX	DL5MHQ	SV8ZC	SM5OJH
PC3T	N1IX	EW1BA	W0SD	SP2BMX
W1OP	N3KK	HB9FMT	WA8WV	UT3UZ
W2KKZ	SM4OLL	JA1PTJ		UW8SM
	SM5CLE	JA9RRH	138	W2OIB
146	W4GE	JH1HHC	DK8MCT	WB7QXU
EU4A	W5ADD	J11DCW	DK8YY	
JA1HQG	W7ZI	JL1UXH	EI9FBB	135
JA4DHN	W8RLS	JR2LJO	F6DDR	5B4MF
JA5XAE	WC5M	K2RW	HB9RYZ	DJ9ZB
JH1GNU	WD5T	N8OC	IK8EPC	F6FXU
K1CA	YO3CD	NJ3K	JA3OOK	IK8GYS
K5KV		OE6VIE	JF3LOP	IU0HDC
K5SM	143	SV3FUO	JH7RXU	JA7LMZ
K6NR	DL1DUO	W2CG	K1RO	JA8BNP
K7WP	DL6EN	W3BW	K2RET	JA8JL
N7BT	HS0ZEE	W4JVN	KJ6P	K1ZE
RU0SN	K7CMZ	W4VIC	LB5WB	K4ZRJ
W1IZL	K7CW	W4WT	ON6AA	K7FL
W1ZT	N2RJ	W8GNM	OZ8X	K7XB
	N2WM	W8HW	RW4CY	NZ9R
145	N5UW	ZS1C	UN7JID	R7LP
AF4HX	N6PAT		V51B	RN3RQ
HI3T	N6PSE	140	W1GD	SM3LGO
IOJBL	NN4R	9A1CAL	W2YE	SM5CZK
IZ0RVI	OH1JP	K5WK	W4YV	SP3XR

SV5DKL	JA2KVD	JG1DUZ	OZ1IKY	OE3SGU
W1DIG	JA6CBG	J14POR	R9SG	OK3CQD
W1EQ	K6YUI	K2MYR	S53X	PA5TT
W2GD	K9ZM	K3NK	S55DX	VE3CX
W4BUW	N6HY	K6SIK	SM3GQP	VE7BV
W4MBD	OZ2RH	K7LFY	SV3DCX	W8LMG
W4RFZ	SM4BZH	K8BCK	US8UW	W8MK
W6JTI	SM6BGG	K9GL	VQ9LA	W8REW
WE4S	SP6M	KO8SCA	W2WC	W9ILY
	VE3CRG	NA4EA	W4IS	WB0O
134	W4AXL	NO9E	W6RKC	WB2REM
CT3HF	W4RBO	OZ2ABI	ZS6UT	WD4LBR
IK4DCS	W4WM	PY5EG		YU1EXY
JA7LGE	W5SL	R3VA	127	
K1TO	W6DR	R5QA	CT3KN	125
K1ZN	W7AH	R9AB	HK1MW	9A1AD
K3OX	W7CD	RU1AO	IK2SGB	AG1A
KX4TT	W9FR	S51NM	JA1DDH	GW3TMP
N9MR*	WB3D	TA1CM	JA1WLO	HK4SAN
N9RS	XE2S	VE3DO	JA8RJE	IK5DNF
OE1TKW		W2MPK	JA9KRO	JA4IYL
PY5HOT	131	W9ZT	JH3AIU	JA6VU
RG6G	DK7YY		JS2LHI	JE1TSD
RX4HW	G3UHU	129	K0RW	JE6UWU
SM0BYD	HS1NGR	HA1RB	K3TRM	JF2WXS
SP6JIU	IV3KFB	HB9AZZ	KM3T	JH1AGU
UA0ACG	JA0AOO	JA1NWD	N1AC	K1HAP
W4JKC	JA2TBS	JA8JO	N1GC	K5KG
YU1AM	JH4ADK	K4TT	N9RD	K8DV
	JJ1TEA	K6XM	OE8HIK	KA6BIM
133	JM1FHL	LB7ZG	PA3EWP	KI4WCQ
9K2NO	K1UU	N0YY	SK7AX	LZ1XL
EU1U	K5VIP	N2BJ	SP6A	N2KA
IZ8DFO	K9DR	N3KS	SP7ASZ	N3EN
JA7GLB	KC2LSD	N3RR	W0CP	N4JT
JA9AGN	KH2L	W0YVA	W0RT	ND5S
JR6FC	KM3V	W7QHE	W1OPD	NW6S
JR7FRW	KM4H	W8MET	W3BG	OE1AZS
K2CDJ	N3MK		W3FOX	RA0BA
KS4YT	N4QWZ	128	W3MF	UU7JM
KU2A	N5PHT	AA4SC	XE1KK	VE3UTT
OE1KM	N6RK	DM2RM		W5DAW
ON4CAS	ON4ON	IT9ZZO	126	W9CG*
RA5BM	R0SR	JA2AHH	DJ8WD	WV4TN
RV4LC	R9MJ	JA2KSP	DL9FCY	YO2RR
UQ2PZ	R9SA	JA9AA	F8BPN	
VE3WT	W8DCH	JE1LFX	G4IUF	124
W0NFL	ZS1A	JH4GJR	IZ7EVZ	AA7XT
W2QO		K0FF	JA1XCZ	J11DHY
W5AJ	130	K3XA	JA7KY	KD4POJ
	DF9ZW	K4JAF	JH3CUL	NA2U
132	E73M	K4SE	JJ1DWT	PA0TCA
AA4NC	EI2JD	K6LPO	JN1RQV	UA0BA
AB9M	G7VJR	KG7CW	K2ZD	VA7CRZ
AD6W	HK0HEU	KM4NS	K4JKB	VE1DUN
IK3VBB	IK3XJP	N5KM	K4XU	W2JU
IT9RDG	JA2FBC	OH1ZK	N8NA	W2RIJ

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WB8K	RD4A	K6FW	W8FIB	K8QM
123	UU4JMG	KA8ZPE	WC2K	N4IR
AB1OC	VE6AX	N4BAF	WP3R	N8AA
AC4TO	W2TB	N4LR	XE1RCS	N8XI
DL7JRD	WA3I	N4TB	118	NY4G
F4GTB	WA7BNG	N4UFP	5T5PA	OZ5HP
G4WFO	121	N8PW	AB2E	SM7BIC
G5LP	AA6RR	OE3EVA	DL5OCE	SP8HKT
HB0WR	AA8CH	OZ2A	JA4FHE	UA6J
IK2CHZ	DF1DB	PZ5RA	J18DGO	UB3A
JA0CRG	DK1EI	RL3BZ	JN7DOS	UR9IDX
JA1SJV	DK6CQ	SP7ITB	K3WGR	US1CT
JA3MHA	EI2GLB	SV1FKZ	K4CNW	W4ZRZ
JA6WJL	HB9DHG	SV1IW	K5XM	W6SL
J14WAO	IT9AAI	UR5IKN	K7PI	W8ZR
JK1EXO	JA2HYD	US0YA	K8LN	WA2USA
JR1EBE	KD8RQE	W0RX	K8WVA	116
K2PK	KG9Z	W2YR	KD2T	AJ4F
K3XO	N0OK	W3OA	KD6UO	DL7URH
K4ZIN	N1JP	W4PRO	KG8CW	EA5BRE
K5GH	N3ND	W6RFL	KV4AA	HA7PF
K7UT	N4TL	W7RN	LZ2HM	IK0EIE
K9CS	N6HC	ZL4AS	N2MM	IK2OHG
KV4T	SV1AHX	119	N4DJ	IT9TQH
N2ED	UQ1GWW	AA3AZ	N6MB	IV3HYD
N4DWK	UT4EO	AA4DD	PY2PA	JA1WTI
N6MZ	UU2JQ	AE3T	RN3TT	JE2EHP
N9JV	VA3AYA	AJ4A	SV9COL	JH3GCN
N9LQ	W0QQ	DK3GG	TA2RC	K1DC
NA2P	W2GG	DL9OBY	VK4CAG	K1RI
NA9RB	W3RJW	EW4M	W1KSZ	K9FN
S50B	W6XI	G4DJJ	W4DAO	KT1V
UA3DK	W9XX	HB9AAQ	W4NJ	KV1J
UR9QQ	W9YE	HB9BCI	W5JMW	NA9Q
UT3QU	WA1PMA	I2TZK	W9FI	OZ1LCG
W1AO	WT4Q	I4MKN	WX3P	PA0JSE
W4NF	WY1G	IU0LFQ	YO4AUL	RV3ID
W8NJR	XE1VIC	JA3AZD	117	TZ4AM
XE1H	120	JA4XGC	9Y4VU	UA4PCM
122	9A5F	JE2JMV	AE0P	W1ENE
BA4RF	AA5JF	JH6CDI	BH4IGO	W1WEF
G3NDC	AC9EM	K3FRK	DL1DWT	W7GG
JA1MRM	AL7TC	K5UZ	G3PLP	W7OEV
K1BZ	DL2VWR	K7EG	IT9DAA	W8LRO
K1ESE	FG5FR	K8KWT	JA1HQT	WQ5L
K1YT	HB9BLQ	K9SG	JA4FM	115
K2MP	IZ0LKV	N0KV	JA5FDJ	C6AGU
K7ZA	IZ5NFD	N9UA	JA7GYP	CU2CE
KR0P	JA4EPE	NT2A	JA7IC	DL9GOA
LA7WCA	JR3UIC	NY7T	JM3GXU	G4XEE
LA8PT	JR6LLN	OH5NG	JR2UBS	G8BCG
N3NR	K2BA	OK1DT	K2BB	G8DX
N9AW	K2HK	R6FFB	K3NF	HA5UK
		SV1ACK		

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IW0HEX	UA3FT	ZL1BYZ	AF4OX	IK5RUN
IZ7JVR	W0VX		CU3AN	IK8UHA
JA2KNW	W3MR	112	DG7RO	IZ0CKJ
JA3NHL	W4TUN	A92IO	DK2WH	J68HZ
JG3LGD	WA1FCN	DJ1RL	DK6ED	JA7EPO
JH1RFM	WA4CEM	DK5RL	DL1HRN	JE2UFF
K0GD	WA8MCD	DL5CL	EV1R	JH1VHU
K0SD	WA9YYY	EA1JO	F6ECI	K2BLA
K4CMS	WN9O	EI8IU	G4DBN	K3JRR
K4GHS	XE3ARV	EW1DO	HL3GOB	K3PH
K4GK		G3XGC	JA1AUD	K4WW
K8YTO	113	HB9CEX	JA1FGB	K6MI
LY4T	9A1A	HB9CRV	JA1NCZ	K6VKO
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N5BO	DL8CM	IU8FRE	K0FLY	N2CG
N8KOL	DL8DYL	IZ4DIW	K5WAF	N3HBX
OH8LXT	G4AFJ	JA1SXR	K7ORK	N3IQ
PA3AXU	HB9EFK	JA4BXL	K9AJ	N3JB
RZ6MJ	JA0GCI	JA7BXS	KM1R	N4KE
UA1ANA	JA4ITW	JR7TEQ	KP4AA	NC6K
UA1CGS	JH1ORA	K0JPL	KZ0X	NK7C
UA6XT	K0TPP	K1EDG	LA0CX	NY4I
UN6T	K2HAT	K1EO	N4WJ	RD9M
W4UCK	K8SL	K1KO	N7BD	SM5BHW
W5VY	K9GWH	K4UAS	N9HF	SP9WZS
YL2CZ	KA4RRU	K8CC	NA1DX	SV1VS
	KH6DX	KB2FCV	UR6QA	UA3O
114	KI0G	KI4DLS	UT1UY	US7MM
AB4GE	KT1J	KM1C	VE6KC	W0UY
BA4DW	N7KO	LA8HGA	VE7CT	W3XY
BA7IO	N9ISN	N5ZC	VE7UF	W4DC
CT3FN	NA3F	N6MA	W0VHF	W4NE
CU3AK	NG0G	N6PE	W1FO	W5ZPA
DL6NB	NI5F	RU4SU	W4HOG	W6KK
F6CWA	NK5B	SM3DMP	W4OX	WL7E
G3SDL	ON5UE	UA1ACG	W5AQ	XE1FAS
HP3TA	R7NA	UA1CEI	W7VS	YU7AU
I5OYY	RA4UN	UT6UD	W8KA	ZL3NW
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JA1OVD	SM5ARL	W1HEO	W9RB	109
JA4KDT	SP3EPG	W2CVW	WA2BOT	DF1KG
JA5WIZ	SV1JFV	W2SKI	WA2MUA	EA3GHZ
JH6WMJ	SV2AVP	W3UL	WB4TDH	EU4T
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K2DC	VE3KI	W5VX	YL3DQ	G3SVD
K3MD	W2GW	W6TC	YO6HOY	HI8R
K3OSX	W6BK	W8GEX		JA2CXF
K5CD	W8FAX	W8HMK	110	K2ONP
K5RJ	W9DX	W9SE	BA4MY	K4RDU
KB8U	W9HBH	WA8OLN	DL1VDL	K5FZ
KZ4V	W9VNE	WT9U	EA5BYP	K5KA
N1QY	WA4DOU	ZP6CW	F5BAR	K5KPE
N2JJ	WB2HJV		G3LNS	K6MW
N3MN	WB2UFF	111	G8AJM	KE1F
N4IQ	WS4C	9K2OD	HC1BI	KZ5DX

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N7TY	UX7UN	SP3BQD	OE5CSP	N4NW
N8NN	UZ6LWZ	SP6AXW	OH2OT	N4PL
ND4V	W2UB	US5CB	OK1AYU	N4SC
NN4RR	W3NRJ	VE3OI	OK2BVG	N4VN
NU4I	W4ZYT	VK3NX	S57AL	N6NU
NX7U	W7ACD	W3KB	UR3CRO	N7DR
PY5CC	WA2ALY	W4MAY	UT7UU	ND3L
RW4UU	WA8MOA	W6TDX	UU5WW	ON7PQ
RW9QA	WB8BZK	W8IW	V73AZ	OZ4AAL
RX3AGD	WC1M	W8VK	VQ9SS	PF7M
TG9NX	WC6DX	W9CPV	W1CWU	PJ2/K8ND
UB5ZAL	WD9EQU	WA0RVK	W2EQ	PY2DS
UT7KF	WW1WW	WB6CJT	W2LE	R6YY
VU2CPL		WB8ART	W2NO	RA6AF
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WB5TUF	4Z5LA	XE2YWH	W4IR	SP5JXK
WN0L	DJ8ES	YL1XZ	W5JAY	UA6LCN
YV3AGT	DK3FB	ZL3RJ	W8OP	UR1RWX
	DL1QQ		WA4MYO	UR2RGN
108	DL2CHN	106	WA6TLA	VE1PZ
AI2Q	DL5XU	AA4FL	YL2GN	VR2MY
AL7R	DO4DXA	AE2U	YU3EF	VY2ZM
DL6CNG	EA5AT	DJ6OZ		W1LE
ER1LW	EA7QW	DL2NOM	105	W1LY
G3VAO	FG8OJ	DL3JSW	DF2PI	W1MRH
HB9BAT	G4AKY	DL6JZ	DF8AA	W4OWY
HB9FAN	G4RGK	EA3CCN	DJ3XD	W5KI
IK0PRG	I5IHE	HA8DZ	DJ6KH	W6FF
IZ0BTV	IT9XTP	IK0ZIO	DL4ZAB	WQ5W
IZ2EWR	JA5EY	IW3GJF	DL6XK	YU1NR
JA2MOG	JA6OXT	JA1VLK	DO1CTL	
JJ2PIK	JA8JTH	JA2MNB	ES1GO	104
JK1MZT	JH9DRL	JE6IGP	G3YUV	9M2AX
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K2KQ	K3SW	JH6PFY	JA4EVN	CP8HD
K2MK	K3YBN	JJ0NCC	JA6VA	CX3CE
K4WY	K4MS	JR0EQQ	JA7BME	DK3BK
K4YJ	K4SAF	K0DEW	JA8RRF	DL4FAP
K6UT	K8LBT	K1PX	JA9APM	DL7UPN
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KM8AM	KB9DAK	K5AM	JF2VAX	EA8ZS
KN4JX	KE2R	K5ZQ	JO4CFV	EI9E
LU2DKT	KZ1W	K8JJC	K1DJ	F6AJA
LZ3YY	N2RR	KD9HL	K2XF	F8GB
N4MEC	N3DAP	KK8X	K5AV	G3BRD
N6RFM	N4RF	KK9H	K6DJ	HB9CIP
N9SF	N6EE	KQ3F	K7OX	HK3O
N9TF	N8AGU	N0JZ	K7PO	IK0DWN
NU4Y	NA5Q	N2CW	K9RO	JA1SDV
PA0ZH	OE1CP	N2SQW	KI5T	JA2FGL
R5FY	OK2BUZ	N3XM	KT2E	JF1EGO
R7LA	OK3CQR	N8AID	KX2A	JF6WTY
RX6DX	R0FA	NA5Z	LZ1JZ	JK1BSM

JO1WXO	103	US2WU	OH2EA	HB9NL
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K3FM	DJ1MM	VA3IC	OK3CSQ	JA1VVX
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K4VIG	DL2HX	VE3VV	PY2DO	JA7SFD
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K7TJR	DS3HWS	W1CTN	RU3UN	JH3PRR
K9EA	EA7SG	W4AVY	S59DJK	JI3KDH
KA2BZS	EU6MM	W4MZ	SM6WET	K0LW
KH6KG/W5	EW3LB	W5THT	SP5MXZ	K1YR
KI0KB	G3BDQ	W5VU	T77V	K2BX
KW0A	G4AAW	W6SZN	UA1AIR	K2TER
LZ2XF	G4PUQ	YO7APA	UA1CKC	K3SEW
N3ER	G4VGO		UA6HOF	K4NNX
N3TR	I0OSI	102	UA9MR	K5DNL
N4GU	JA1JAT	A6/RV6LNA	UA9UCO	K6AAW
N4TTE	JA2GQO	CT4BD	UW7CN	K6XJ
N6PF	JA2OLJ	DK3QM	VE2FYR	K7AR
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UX4UM	N1HOQ	K2LP	AA3LX	NE1F
UY0MM	N9BBQ	K2TK	AA4NU	NX2X
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W5ZO	RA0FA	KJ6NZ	DL3ANK	ON4LG
W6PH	RA4HT	KN4KL	DL5JS	PA4WM
W7DR	RK3QY	KW4BY	DM3ML	RA3AH
WA0I	RU3OW	KY6R	EA1WX	RA4P
WA9ETW	SM3CBR	LA3ANA	EU1TT	RA4SD
YC0LOW	SM6EHY	LA6UL	G3ZFC	RB7GG
YO5ODE	SM7BHH	N5RZ	G4FJK	RK9F
	UA3PFN	NZ3M	GM3WTA	RY6M

SM2DMU	G4CGG	N8NB	W8CNL
SM7NDX	GM3ZSP	N8OQ	W8FN
SP7JLH	I2VGW	N9ADG	W8GDQ
SV1PL	IK0HFO	NA6O	WB4SON
UA0FDX	IK4MSV	NB3R	WU2M
UG6GAW	IS0/YO3RA	NG7A	YB1TJ
UR7CQ	IW0BYL	NJ3I	YL2SM
UT1CC	IW0HQE	NN4SS	YO9FLD
UT4IS	JA1BRK	OE5JDL	ZP9MCE
UT7HA	JA1CPU	OK1DXD	ZS2DL
VE2OJ	JA1ILA	OK2PAZ	
VE3XB	JA4FSH	ON4ANN	
VK2GR	JA5DQH	ON7EH	
W1FC	JA9CGW	ON7GB	
W1GF	JF3DRI	ON9CC	
W2SF	JH7BKN	OZ1ZD	
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W4PM	K0XM	R3PJN	
W5RF	K1NA	R9JX	
W7AV	K1NZ	RA3SD	
W7CB	K2CBI	RA4LW	
W8GB	K2CYE	RA6XB	
W9MAF	K3TZV	RC2A	
W9ZCL	K4FT	RN1A	
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WK9U	K7VIC	S59SV	
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WV9L	K8CR	SV1VJ	
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	KB0EL	UA4PAY	
100	KC0V	UA6CEY	
9M6YBG	KC4D	UN6P	
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AA4AK	KD8BZY	UR4LRG	
AB4VV	KP4N	UR8IDX	
AC4VM	KQ5M	VE1RGB	
AI2S	LA8W	VE3OAT	
DJ6OI	LU5OM	VE7JKZ	
DL1TPY	LU5YF	VP2VA	
DL1TRK	MM0SJH	VR2PX	
DL9GTB	N0AH	W0GYH	
DU7ET	N0ATQ	W0MU	
EA1CP	N1KI	W1AN	
EA2AAZ	N1MD	W1YRC	
EA3ALD	N2SG	W2CCC	
EA8AXT	N2XQM	W3BBO	
EC5A	N3AF	W4HHN	
EI3ISB	N4CRI	W4OEP	
ES5NC	N4ZR	W4OV	
FM5GU	N7DED	W5BK	
G0VXE	N7TK	W7DT	
G3OIL	N8IL	W7JET	