

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 14 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	JA1BK JA4LKB K1UO RU3DX
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	300 G3KMA I2ZFD JA2JPA JA4DND JA4LXY OE1WEU PA3FQA SM3EVR VA3EF
335 OH2BU	322 UX0UN W3UR	313 GM3POI OE3GCU OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q YU1FW	299 K4TEA N1BUG 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		
332 UR0MC	319 N0XA SM4CAN UT5UGR		304 DJ0MDR GM0GAV SM3GSK	
331 K5UR LZ2DF UT7QF	318 4X4DK W9ZR	310 I4AVG RA3CQ SM5BFJ SM6CVX	303 F5LGE G0JHC GM3YTS	
330 AA1K HA0DU OH1XX R4GM				
329 K3UL UA4HBW	317 W3LPL			
328 UA4CC	316 K5RK OH3SR			

297 DK5PR N4CC OM2XW RA3DX W0FLS	289 JA3ONB K0KX K4WM N8DX RX4HZ US4EX	282 DL1YD I0WDX K8KS K9CT N2LT NJ6P SM6CTQ UY5ZZ W0BV W2YC	N9IW 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 N0TB RJ3AA WD5COV	287 DL1RWN G3XTT N2QT RK4FD VA3DX W4PK	280 EA6NB RV3LO SP6HEQ YO3APJ		266 G4OBK NR1R R3LA W8TE W8XD
293 JH4UYB 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	270 AA1V LA3MHA OE5KE SV8BHN	262 G0DQS IK5HHA KR9U N5KD W1YY
			269 K6ND KD5M 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 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 N4II 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
WI8A

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

JA1XEC
K4KDX
K9JF
KB9LIE
LA7AFA
SM7GIB
W2LO
W4FC
WD8JJA
WN6W

193

CT1IUA
DF2GH
DK1FW
DL5ZB
DL6ZXG
EA3WD
HA5BSW
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
WA3C

188

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

187

AJ1H
JA8DNV
K0SR
K6SRZ
KN5O
LA0FA
N2NS
OK1CZ
W7AWA

186

9A8A
IK2QPR
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

S57AC	K8WK	K5GKC	W4FQT	N4QQ
US8UA	N2PK	LA5LJA	WA9PIE	N8BJQ
UT2UB	OK1MG	N7IR	WC4X	PA7F
W2YJ	S57UN	N7XR		SP5GH
183	SM4DDE	PE1L	171	SV2AEL
IT9INO	SV3FUP	SP1MGM	AA9D	W4SVO
K4CN	W8KEN	TF3SG	DL6KR	W6VX
K8RRT	178	VE3FF	G0EHO	W8OI
K8VC	4Z5CX	W8HC	HA9PP	WA0MHJ
N9MB	EA3CJ	WX0V	JA6HUG	WA5YNB
NN2L	JA4MRL	174	JR1TNE	
ON6SAS	K2UR	4Z5MU	K1NU	167
W2FP	NE0U	JA0GJJ	KI5BLU	DK5AD
W8NW	SM7DLK	JA1PPW	N0RN	EC3A
182	SV1JG	JA2XW	N4OGW	EI6FR
DJ9ON	W6NWS	JA7MOL	N7RO	JA6VQA
DK3UA	W7MEM	JF7DZA	N9RC	K6KO
HK3W	ZS1LS	JK1OPL	RA3DNC	K8NK
JA1SHE	177	JR6PGB	SV1LK	K9MBQ
JA3ENN	9H1SP	K1KI	UN9L	N0IJ
N3OC	AE5E	K2KA	170	N3BNA
UR3EO	CT1GFK	K3AJ	DJ6TK	OH2BLD
181	IK4ADE	K4TR	JA6JPS	PA3C
DK3WW	JL1SAM	K4WS	JE3ENP	RA1AOB
JA2BDR	K3WC	N1EN	JF1WPB	RN9N
JA9TWN	K4RG	OE1WHC	JM1GYQ	S51EC
JN4MMO	K9NU	RN7F	K6ZZ	W1YW
K2EP	SM6DHU	UA3LNM	N4PY	WA4LOX
LZ2ZG	W2OR	W8UV	SP3GTS	WB0TEV
VE3OSZ	W5LT	W8VVG	SV3KH	WC5N
W9AJ	W7FI	WT8C	W9EVI	166
180	WB7B	173	WA3AFS	4Z1UF
CT1FPQ	176	5B4ALJ	169	DJ4SO
DM2DXA	EU1AB	I1JQJ	IK0PEA	HB9FMN
DM3VL	G0BLB	JG0CQK	JA1ADT	IV3TDM
EA8JF	I6FLD	K1NTR	JE2LPC	JA1FNA
JE2URF	JA0DET	K4XR	JR1IZM	JA9LJS
K6SSS	JA5IU	K9YC	K1LI	K1KA
K7BG	JA6BJV	KA1J	N4XX	K3KY
LA9AJA	JA8KSF	N5FG	N7US	K4JLD
N1RR	K8MN	PY5EW	UT8MM	K4PB
N4AH	N5OK	W3IP	UY5AA	K4WA
ON5FP	OK1DWC	172	W6RW	K4ZYU
W1RM	RL3FA	EA7TV	W7YAQ	RM3DA
W7BEM	SM5FUG	G3NKC	WB3JFS	W0DJC
W8TN	W4BP	IZ5MOQ	168	W1RR
179	W4GD	JA3FGJ	G3MXJ	W8ILC
IT9ELD	YO7NE	JG3IWL	IK2EGL	WA8TXT
IW0SAF	175	K0DEQ	JE7JDL	165
JA9NLE	JA1CHN	K1BD	JF2UPM	DL7UCX
JR7BDQ	JH2QMT	K6FG	K4XD	F6HDH
K0TT	JS3CTQ	KJ0M	K5QY	I2ZGC
	K4DLI	VE6WQ	K8RYU	IK0AGU
		W3JX	KR4F	JE7RJS
				JH7CFX

K5JZ	JA1DOF	RU6M	154	DK2OY
KK4CB	JH4ALY	SM4EMO	3V8SF	EI9JF
N4HB	K1USA	W0SZ	GM3PPE	F3SG
N9FN	K5GO	W1OX	HB9BUN	HB9SLO
NY0V	K8ND	W2XL	JA8NFV	JA2VQF
RC9F	LB2TB	W3GQ	JL1RUC	JA6BEE
SM4CTT	N4GN	W4QN	JR3OEH	JH1NYM
SP6EQZ	OH6RA		K0KVR	JR1XIS
W5BN	VK3HJ	157	KR2Q	K2AX
	YU2TW	AA4H	NX8Y	K2FW
164		AC6DD	W1NA	KD0PO
GU4YOX	160	DL6MRS	W5DNT	N5JB
HA7UW	AD5Q	EA5BY	YS1RR	OK1ATP
HB9BZA	DK1WB	G3TQZ		RD3A
JA1RTX	DL1DA	JA1GHH	153	RU3A
JA7ZP	IK0FUX	JH7IAJ	AA6AA	S54A
JH2SON	IW2FND	LY5A	AJ9C	SP7AWG
K1NJ	JA2EPW	N5MOA	DF2RG	SV9AHZ
N5WA	JE2DZC	NE9Z	DL3ZA	W7CT
RA3ZH	JE2OVG	RU4UR	G3TJW	W7RH
RN3OG	JF2XGF	SM3PHM	HL2CFY	WA1Z
W4DKS	JR7MAZ	SV8ZS	IZ3ENH	WA2BCK
W4NS*	K3MSB	W2TA	JF1IRW	WP4G
WW3S	K3RA	W5GZ	JR9OPJ	
	NR4M	WS7L	K7SP	150
163	RU6L	YV2IF	K8VFX	EA1AF
9A2JK	UA0FZ		LZ1PM	IV3RAV
DJ9HX	UX5UO	156	N4TV	JA1SVP
JE2LUN	W1BR	AB9V	N5TW	JA2NQG
JH4CPC	W5XC	DL4MM	N8II	K0RS
K7NN	W9RN	IZ8IEV	R9OK	K5TR
K8TL	WX0B	JE3GRQ	SM6CLU	K7LV
OK2QA		JO7HAM	SP5CCC	K8AJS
UR4CWQ	159	K0QC	UT5UY	KU4XO
VE3CFK	JA4FKX	K8YSE	WB8BPU	N3QE
W7AL	JH6QFJ	KS1J		N9CO
	K4RO	N3RC	152	OE8SPW
162	OK2ZV	N3UA	EW2A	SQ5EBM
4O3A	UN7JX	N7WS	JT1CO	SV1CNS
9A4W	W3HKK	OE5RLM	K9MK	UA6YW
F3AT	W6BJH	UA3SAQ	KQ4AV	W2/CT1GIF
HB9TKS	W7SX	VA3LX	KS3F	W6DAO
IZ4DPV	WD5BJT	W1YIF	N9OY	WW2DX
JA6GIJ		W4TV	S55ZZ	
JR5JAQ	158		UA6IGI	149
LB6KC	DJ4PT	155	UN7LZ	DL7CX
N8MR	DL1FKA	CT1FCX	UT5AB	HB9HFN
RW3RN	G4GIR	DL1RK	VE6LB	IK4FNF
W0HT	IT9DSZ	DL4SZB	W1SKU	JL1ARF
W0TT	JA9APS	HB0CC	W1VT	K3TN
W1LW	JH1TWT	K2LS	W6RLL	K4YYL
W8WEJ	J11FXS	NE0DX	W7AJ	K8ME
	J11NJC	NW7E	WB3CQM	K8ROX
161	JR1GJP	SM6VR		R8TX
DK2GZ	K5TT	W2XI	151	SM6CUK
DL6RAI	K9GA	WE1P	AA7G	UW7UA
HB9DHK	OZ1HX	ZS6EZ	CU2AP	W0GG

W7HPW	JN1BMX	WD9DZV	OH6NIO	137
WB8B	K1OA		ON7DR	EA1YO
WD5K	K3VAT	142	UN1L	GM3YOR
WS5W	K4OY	I5HOR	VE6SV	HB9CQK
YO3DDZ	K8BL	IT9BLB	W0SEI	IZ2FOS
	KF6HI	JA2ATE	W4NU	JA3APU
148	N1CGP	JH0BQX	W7IV	JA4OK
DK2CC	N4GG	JR7WFC	W8LWU	JH4JNG
F5CQ	NA5C	K3PP	WO2T	K2QMF
F5LVL	RT0F	K4WZ	YL2MU	K8NS
F5PAC	SM3DTR	K6EME	YO9FNP	RA3CO
G4FTC		KK1W		RG7G
JH1QDB	144	LA9VFA	139	UU1JA
K5VWW	CU3EQ	MM0SAJ	DF7EE	W1ITU
LA6OP	DL5CW	N2ZN	DJ4XA	W5ODD
N2WB	DL5KUA	N7QT	DL5EBE	WB5JID
N5XZ	E70T	NA4D	DL8OH	
NE3F	EI6IZ	NQ7R	DS1JFY	136
W5FKX	GM3ITN	NY2NY	JA1TMG	E72U
W9JJB	HB9BYQ	OK1DO	K3ANS	ER0FEO
	I5MXX	W2OO	K6AM	HB9IQB
147	IT9GSF	W5LUA	K8GI	IK8CNT
EA3GP	IV3DXW	W5VQ	K8RF	JH4HMG
IV3VBM	IZ4GWE	WA5POK	KA8SYV	K0TV
JA1XQC	JA3GN	WB8CQV	KU0A	K4ZO
K7HP	JE1FQV		LA8WG	K7TM
K8UT	K0VSH	141	OK1MP*	KR6C
KM1H	KJ9C	AC9S	SM5CBM	NA5DX
N1IBM	LA9GX	DL5MHQ	SV8ZC	OK1DW
PC3T	N1IX	EW1BA	W0SD	SM5OJH
W1OP	N3KK	HB9FMT	WA8WV	SP2BMX
W2KKZ	SM4OLL	JA1PTJ		UT3UZ
	SM5CLE	JA9RRH	138	UW8SM
146	W4GE	JH1HHC	DK8MCT	W2OIB
EU4A	W5ADD	J11DCW	DK8YY	WB7QXU
JA1HQG	W7ZI	JL1UXH	EI9FBB	
JA4DHN	W8RLS	JR2LJO	F6DDR	135
JA5XAE	WC5M	K2RW	HB9RYZ	5B4MF
JH1GNU	WD5T	N8OC	IK8EPC	DJ9ZB
K1CA	YO3CD	NJ3K	JA3OOK	F6FXU
K5KV		OE6VIE	JF3LOP	IK8GYS
K5SM	143	SV3FUO	JH7RXU	IU0HDC
K6NR	DL1DUO	W2CG	K1RO	JA7LMZ
K7WP	DL6EN	W3BW	K2RET	JA8BNP
N7BT	HS0ZEE	W4JVN	KJ6P	JA8JL
RU0SN	K7CMZ	W4VIC	LB5WB	K1ZE
W1IZL	K7CW	W4WT	ON6AA	K4ZRJ
W1ZT	N2RJ	W8GNM	OZ8X	K7FL
	N2WM	W8HW	RW4CY	K7XB
145	N5UW	ZS1C	UN7JID	NZ9R
AF4HX	N6PAT		V51B	R7LP
HI3T	N6PSE	140	W1GD	RN3RQ
IOJBL	NN4R	9A1CAL	W2YE	SM3LGO
IZ0RVI	OH1JP	K5WK	W4YV	SM5CZK
JE6TSP	W0IZ	K6KLY	W7OM	SP3XR
JJ3HGJ	W6QUV	KF8DX		SV5DKL
JK1AJX	WB8ZRV	N4XP		W1DIG

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	AB1OC
W5AJ	130	K3XA	JA7KY	J11DHY
	DF9ZW	K4JAF	JH3CUL	KD4POJ
132	E73M	K4SE	JJ1DWT	NA2U
AA4NC	EI2JD	K6LPO	JN1RQV	PA0TCA
AB9M	G7VJR	KG7CW	K2ZD	UA0BA
AD6W	HK0HEU	KM4NS	K4JKB	VA7CRZ
IK3VBB	IK3XJP	N5KM	K4XU	VE1DUN
IT9RDG	JA2FBC	OH1ZK	N8NA	W2JU
JA2KVD	JG1DUZ	OZ1IKY	OE3SGU	W2RIJ
JA6CBG	J14POR	R9SG	OK3CQD	W3FM

W6CYX WB8K	RD4A UU4JMG VE6AX W2TB WA3I WA7BNG	K5JC K6FW KA8ZPE N4BAF N4LR N4TB N4UFP N8PW OE3EVA OZ2A PZ5RA RL3BZ SP7ITB SV1IW UR5IKN US0YA W0RX W2YR W3OA W4PRO W6RFL W7RN ZL4AS	W8FIB WC2K WP3R XE1RCS	K8QM N4IR N8AA N8XI NY4G OZ5HP SM7BIC SP8HKT UA6J UB3A UR9IDX US1CT W4ZRZ W6SL W8ZR WA2USA
123 AC4TO DL7JRD F4GTB G4WFQ G5LP HB0WR IK2CHZ JA0CRG JA1SJV JA3MHA JA6WJL JI4WAO JK1EXO JR1EBE K2PK K3XO K4ZIN K5GH K7UT K9CS KV4T N2ED N4DWK N6MZ N9JV N9LQ NA2P NA9RB S50B UA3DK UR9QQ UT3QU W1AO W4NF W8NJR XE1H	121 AA6RR AA8CH DF1DB DK1EI DK6CQ EI2GLB HB9DHG IT9AAI JA2HYD KD8RQE KG9Z N0OK N1JP N3ND N4TL N6HC SV1AHX SV1FKZ UQ1GWW UT4EO UU2JQ VA3AYA W0QQ W2GG W3RJW W6XI W9XX W9YE WA1PMA WT4Q WY1G XE1VIC	119 AA3AZ AA4DD AE3T AJ4A DK3GG DL9OBY EW4M G4DJJ HB9AAQ HB9BCI I2TZK I4MKN IU0LFQ JA3AZD JA4XGC JE2JMV JH6CDI K3FRK K5UZ K7EG K8KWT K9SG N0KV N9UA NT2A NY7T OH5NG OK1DT R6FFB SV1ACK VE3YF W4HZ	118 5T5PA AB2E DL5OCE JA4FHE JI8DGO JN7DOS K3WGR K4CNW K5XM K7PI K8LN K8WVA KD2T KD6UO KG8CW KV4AA LZ2HM N2MM N4DJ N6MB PY2PA RN3TT SV9COL TA2RC VK4CAG W1KSZ W4DAO W4NJ W5JMW W9FI WX3P YO4AUL	116 AJ4F DL7URH EA5BRE HA7PF IK0EIE IK2OHG IT9TQH IV3HYD JA1WTI JE2EHP JH3GCN K1DC K1RI K9FN KT1V KV1J NA9Q OZ1LCG PA0JSE RV3ID TZ4AM UA4PCM W1ENE W1WEF W7GG W7OEV W8LRO WQ5L
122 BA4RF G3NDC JA1MRM K1BZ K1ESE K1YT K2MP K7ZA KR0P LA7WCA LA8PT N3NR N9AW NN7X OZ3Y	120 9A5F AA5JF AC9EM AL7TC DL2VWR FG5FR HB9BLQ IZ0LKV IZ5NFD JA4EPE JR3UIC JR6LLN K2BA K2HK K3QIA		117 9Y4VU AE0P BH4IGO DL1DWT G3PLP IT9DAA JA1HQT JA4FM JA5FDJ JA7GYP JA7IC JM3GXU JR2UBS K2BB K3NF K6PJ K8OOK	115 C6AGU CU2CE DL9GOA G4XEE G8BCG G8DX HA5UK HK3PJ IW0HEX

IZ7JVR	UA3FT	112	DG7RO	IZ0CKJ
JA2KNW	W0VX	A92IO	DK2WH	J68HZ
JA3NHL	W3MR	DJ1RL	DK6ED	JA7EPO
JG3LGD	W4TUN	DK5RL	DL1HRN	JE2UFF
JH1RFM	WA1FCN	DL5CL	EV1R	JH1VHU
K0GD	WA4CEM	EA1JO	F6ECI	K2BLA
K0SD	WA8MCD	EI8IU	G4DBN	K3JRR
K4CMS	WA9YYY	EW1DO	HL3GOB	K3PH
K4GHS	WN9O	G3XGC	JA1AUD	K4WW
K4GK	XE3ARV	HB9CEX	JA1FGB	K6MI
K8YTO		HB9CRV	JA1NCZ	K6VKO
LY4T	113	HB9G	JE8TGI	KB4MRX
N0IRM	9A1A	IK2ANI	JF2WGN	KC2STA
N4OA	DJ5DT	IU8FRE	K0FLY	N2CG
N5BO	DJ9RR	IZ4DIW	K5WAF	N3HBX
N8KOL	DL8CM	JA1SXR	K7ORK	N3IQ
OH8LXT	DL8DYL	JA4BXL	K9AJ	N3JB
PA3AXU	G4AFJ	JA7BXS	KM1R	N4KE
RZ6MJ	HB9EFK	JR7TEQ	KP4AA	NC6K
UA1ANA	JA0GCI	K0JPL	KZ0X	NK7C
UA1CGS	JA4ITW	K1EDG	LA0CX	NY4I
UA6XT	JH1ORA	K1EO	N4WJ	RD9M
UN6T	K0TPP	K1KO	N7BD	SM5BHW
W4UCK	K8SL	K4UAS	N9HF	SP9WZS
W5VY	K9GWH	K8CC	NA1DX	SV1VS
YL2CZ	KA4RRU	KB2FCV	UR6QA	UA3O
	KH6DX	KI4DLS	UT1UY	US7MM
114	KI0G	KM1C	VE6KC	W0UY
AB4GE	KT1J	LA8HGA	VE7CT	W3XY
BA4DW	N7KO	N5ZC	VE7UF	W4DC
BA7IO	N9ISN	N6MA	W0VHF	W4NE
CT3FN	NA3F	N6PE	W1FO	W5ZPA
CU3AK	NG0G	RU4SU	W4HOG	W6KK
DL6NB	NI5F	SM3DMP	W4OX	WL7E
F6CWA	NK5B	UA1ACG	W5AQ	XE1FAS
G3SDL	ON5UE	UA1CEI	W7VS	YU7AU
HP3TA	R7NA	UT6UD	W8KA	ZL3NW
I5OYY	RA4UN	VE7XF	W8MIL	
IK7YZG	RZ3AUL	W1HEO	W9RB	109
JA1OVD	SM5ARL	W2CVW	WA2BOT	DF1KG
JA4KDT	SP3EPG	W2SKI	WA2MUA	EA3GHZ
JA5WIZ	SV1JFV	W3UL	WB4TDH	EU4T
JH6WMJ	SV2AVP	W4VHF	WB9EEE	F8EZE
K1RV	UN7TW	W5VX	YL3DQ	G3SVD
K2DC	VE3KI	W6TC	YO6HOY	HI8R
K2HAT	W2GW	W8GEX		JA2CXF
K3MD	W6BK	W8HMK	110	K2ONP
K3OSX	W8FAX	W9SE	BA4MY	K4RDU
K5CD	W9DX	WA8OLN	DL1VDL	K5FZ
K5RJ	W9HBH	WT9U	EA5BYP	K5KA
KB8U	W9VNE	ZP6CW	F5BAR	K5KPE
KZ4V	WA4DOU		G3LNS	K6MW
N1QY	WB2HJV	111	G8AJM	KE1F
N2JJ	WB2UFF	9K2OD	HC1BI	KZ5DX
N3MN	WS4C	AA4U	I2BBJ	N1BZ
N4IQ	XE1RBV	AF4OX	IK5RUN	N2WLG
NU8Z	ZL1BYZ	CU3AN	IK8UHA	N7TY

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
W5WP	107	WS1L	W3ICM	RD4WM
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
K1EP	JR1BAS	JG3HBO	HA8FW	AD1C
K1XM	K0MD	JG5RVQ	JA1BWA	AG4Q
K2CJ	K1TZQ	JH2KKW	JA1TAA	AH0U
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
K8OM	K8ZR	K4DSE	JF1RYU	E73D
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
S57J	RN4AA	NI5M	N2DPF	JO1WXO
SM6AOU	RV6ARZ	NS3L	N4JI	K0WK
UX7UN	SP3BQD	OE5CSP	N4NW	K1BG

K3FM	DJ1MM	VA3IC	OK3CSQ	JA1VVX
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K4MF	DJ7PI	VE3MFA	PV8ABC	JA6TMU
K4VIG	DL2HX	VE3VV	PY2DO	JA7SFD
K5HK	DL8YRM	W0QC	R2AB	JF1RPZ
K6UM	DM5TI	W0UVC	R3IS	JH3HGH
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
N6WM	JA3FHL	DL3DXX	W0JMP	K7IA
N8MZ	JA8EJO	DL3NCR	W1AW	K8BN
N9DR	JE1SYN	DL4CW	W1PV	K9JU
N9PGG	JH1DGQ	DL4KUG	W2LW	K9PG
NJ9C	JM2RUV	DL5RDI	W2TX	KC4PX
NN3Q	K0EOO	EA8AKN	W3EKT	KD3UY
OH4UI	K2UVV	EI4DQ	W4ALF	KE1VT
PA0GMM	K4LQ	EI6GF	W5TO	KE4S
RA1QX	K5JUC	ES5RW	W7IUV	KF7NN
RU3UR	K7BTW	F6BWO	WA0IDK	KN6J
RZ6DX	K8CCV	FM5WD	WA1S	KQ1F
RZ6LB	K9MUG	HB9AHL	WD8DSB	KS4XQ
SM5CCE	K9XJ	I8LWL	WS4Y	LA2GV
SM7CQY	KE1IU	IT9SFT	WW5G	LZ1XZ
SO5AS	KJ4R	IZ4MJP	YO2CMI	N0STL
UA9FGJ	KJ7WY	JA0HXV	YO2IS	N2AJ
US5CAO	KM9E	JA8OW		N5AQ
UT4EK	LX1DA	K0YN	101	N8AG
UT7EC	N0RU	K1PTF	AA2VG	N9JCS
UX4UM	N1HOQ	K2LP	AA3LX	NE1F
UY0MM	N9BBQ	K2TK	AA4NU	NX2X
VE3VHB	NU1T	K3KG	AC2AC	OA4TT
W0YBS	OH3GD	K4AQQ	AC5O	OE3WQB
W1QA	OK1DQT	K4KAY	CT1JGA	OH3TY
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W3TMZ	OK3BRK	K7BHM	DH2FW	OK2BOB
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W5GJ	R9GM	K8BHZ	DL1KS	OK4MM
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
103	US2WU	OH2EA	HB9NL	SM2DMU
AG1I	UT2AB	OK1DTN	IV3GOW	SM7NDX
AI3Q	VA2ZO	OK1JDX	IV3KCB	SP7JLH

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	
W3WH	JS6TWW	PA0INA	
W4BUE	K0LB	PA7RA	
W4PM	K0XM	R3PJN	
W5RF	K1NA	R9JX	
W7AV	K1NZ	RA3SD	
W7CB	K2CBI	RA4LW	
W8GB	K2CYE	RA6XB	
W9MAF	K3TZV	RC2A	
W9ZCL	K4FT	RN1A	
WA3EKL	K4KSY	RT5A	
WB3HLH	K4QS	RU3GF	
WC4H	K4UQC	S53MJ	
WK9U	K7VIC	S59SV	
WR2G	K8BZ	SM0CXU	
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	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	
G4CGG	N8NB	W8CNL	
GM3ZSP	N8OQ	W8FN	
I2VGW	N9ADG	W8GDQ	