

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 11 Feb 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 OH3SR S50U W1JR	309 UT5UGR W5IZ	302 DL4MCF GM0GAV GM3YTS
341 EA8AK	324 K2TQC OH2BO W1NG	314 IK4GME N1DG NX4D OK3GU OZ1LO PE5T RW2A UA4CR	308 I4EWH IK4MGP IV3PRK K4SV K8GG	301 DL9KR F6BKI LZ2JE N1RJ N3XX S54E
340 K1ZM	323 EY8MM S50A SP5EWY	313 GM3POI OE3GCU OZ7YY	307 DJ7MI N4RJ OH5VT UT3UA VE3EJ	300 G0JHC G3KMA I2ZFD PA3FQA RC3FL SM3EVR SP3EPK SV8JE VA3EF
339 W4DR W4ZV	322 K4PI UX0UN W3UR	312 OH1MA	306 EA6SX K4CIA SM0AJU WT3Q	
334 N4WW OH2BU	321 WB9Z	311 DF3CB DJ6RX DJ9KG G3PQA OG2M RA7A RZ3AM SP2FAX	305 JA7NI K4ZW N4IS NN4T UA6A	299 JA4DND K4TEA N1BUG OE1WEU SV1FJA UX1UA W7UT
333 R7LV	320 SM4HCM W8UVZ	310 I4AVG KJ9I RA3CQ SM5BFJ SM6CVX	304 CT1EEB DJ0MDR SM3GSK	298 9A2AJ IK2DFZ OZ3PZ SM5CEU
332 UR0MC	319 K8MFO N0XA SM4CAN		303 F5LGE JA1BK JA4LKB K1UO YU1FW	297 DK5PR N4CC
331 K5UR	318 W9ZR			
330 AA1K HA0DU LZ2DF OH1XX UT7QF	317 W3LPL			
329 K3UL UA4HBW	316 4X4DK W2VO			
328 R4GM UA4CC				

OE6IMD OM2XW RA3DX W0FLS	289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	SP3DV US5WE UY5ZZ W0BV W2YC	VE2TZT	RK4FD W1MK
296 DF2UU F5NTV G4PWA JA2JPA ON5NT W1JZ	288 PA3GCV RY9C SL0ZG SP7VC UA4LY W0JX WK3N	281 DF2PY HB9BIN JA2PJC JA5EXW K1CP K9CT S59Z W4TO	275 9A1CCY F5NBU IK4CIE K2UO K4IQJ OH3BU SP5CJQ UW2ZM	267 LU8DPM RZ3DX
295 K3UA			274 G3TXF K1ZZ KF2O SP6AEG W6UB	266 K8PT LA3MHA NR1R R3LA W8TE W8XD
294 DL1AMQ JA4LXY JH2FXK LA5HE RJ3AA SV8CS WD5COV	287 DL1RWN G3XTT N2QT VA3DX W4PK	280 EA6NB NJ6P SM4DHF SP6HEQ YO3APJ	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA1V AA4V AA6YQ AA7A G4OBK RWOLT SV8BHN YO5BRZ
293 S58T	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN UA6MF		264 IK2YCW K7ZV SP9JZU W1GL
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	285 CT1APE G4CCZ HB9BGV	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W UR5WA	272 9A2EU CT1EKY DL1DUL DL2OE SP6CIK	263 IZ1ANU K9OW LA5IIA W2SM W3AP
291 9A7V DF3GY KD9SV N0TB R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	284 K5XI UA3AB	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK	262 EI7BA G0DQS IK5HHA K4XP KR9U W1YY
290 IZ0AEG UA3AKO	283 NA0Y NO3M R3OK		270 JA5AUC OE5KE SM5KNV	
	282 DL1YD I0WDX JH4IFF K4SO K8KS N2LT N7NR SM6CTQ	276 DK5WL DL7VEE G3LZQ N8RR N9IW OK1AWZ RU3FM	269 K6ND KD5M RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N3NT N6SS NO8D SP1S SP5DIR
			268 DL5DSM G3WPH RA3XDX	

260
EA5BM
K1LT
K4DY
KX4R

259
DF4PL
F6GCP
I1FQH
R9FM

258
G3ZSS
KW9A
N5KD
RN3CT
VE3QAA

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K1GUN
W9YSX

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9A5CY
JA5BZL
JH1GZE
K1QX
K5VRX
K8FL
N8TR
PA7MM
W1TSP

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K4QL
KY7M
N2MF
R5AJ
UX0FF
W3DF
W5OZI

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N0AT
OM3DX
WA4FFW

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AA1QD
K5ESW
S58Q
UA1OMS
W0YG

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EA1DR
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JF2MBF
JG3QZN
JQ3DUE
ON4AOI
PA4VHF
R5DT
S52F
W3UM

251
DJ7RD
DL9RT
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JA2VPO
JH0BBE
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PY2RO
VK4MA
W5UN
W7LR

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HB9RG
NQ1K
OZ8BZ

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AI9L
IV3ODE
JR3IIR
K9NW
SP5DRH

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K3WW
K5RX
K9RX
N2NL
SM3VAC
SV8GFW
T77C
UT9FJ
W9NGA

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K6XT
NO2R
R7IA
WB3AVN

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DJ2TI
F2JD
JF8QNF

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TF4M
W2TQC
W5XZ

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AB3CV
DL4CF
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RL9F
RY7G
W9XY

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AG9S
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F6BLP
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JA1HGY
JA7QVI
ON4IQ

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DK2JX
DK3DG
IK0MHR
NN4X
ON4ATW
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W9RPM
WX4G

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EA4KD
KG7H

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JA3EMU
K2FF
K5ZK
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N5TY
N7RT
OE2LCM
OK1DWJ
SP5GRM
UA3TT
VE1YX
VE3NH

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VO1NA

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JR3GWZ
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K1HTV
KH6AT
LY3UM
RN3QN
RU3QR
SV1ELF
SV1RK

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DL8WN
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UR5EDX

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K9NR
K9ZO
KC7V
OK2ZI
OZ4O
SP8AJK
YO9HP

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JH4ADV
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N6DX
OK1CF
R7DX
VE3XN
W3LL
WA7NS

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PY1BVY

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JA0FSB
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SK3PY
UA4HAU
VA2WA
W7AO

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NV9L
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UA3AP

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N7NG
ON4ACG
W9IXX

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DJ5FI
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W4GF
W4VQ

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CT1FJK
DJ4AX
JA8FKO
JI1BEX
OE5NNN
RO7T

228 AF9H AI0O EA1N K4HB N2WK OH2BEN SV8CKM UW5ZM VE3DZ	N8BM SP5INQ VK6VZ W0VTT W2RQ	N0AV OE8RT RA3WDK SP4K UT7UV WA2UUK	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST NA2M RU4SO W0LYI W1FJ W2WG W3YY	N9LB VE1DX VE3LYC W0ZR W7KNT
227 DL7HU E72A ES1RA IK0HBN IK6FWJ JA1UQP JA9CHI K1FK K3NW KD0Q W1TC WB6RSE	223 AB0X HA7TM JH2TPI RT6T SV2JAO ZS4TX	218 DJ4PI DK0PM IK1YDB JA8CDT JF3KON K0EU K5UO UT4MF W5PJR	212 AA9A DL9GFB F6DAY K4MQG K8ZH KE9I KG6I LA7JO N1ZZ N4MM OZ1AXG SM5CZQ WB9CIF WS9V	208 G3NSM I4LCK JA7MSQ JF4VZT K2FU N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ
226 JA2NDQ JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG UT5JAJ VE6WZ	222 DF6PB IV3JVJ K3SV K6EID N5AW N8PR N9BX SM0CCM SP7GAQ W9BF	217 K5PC ON6YH UA3AGW	211 IK4DRR JA4DEN K3WA LA7GIA NX0I RU3SD UR5FEO W1ECT WA5VGI	207 K1LPS K3JT K5RT K8EUR N9AU* PY2BW W0LS
225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR US0SY VA5DX W7KW	221 DJ8NK K4MWB K8FH K8SIX MM0EAX N6VR W1ZK W6JRY WA7NB WS6X	216 JA6LCJ JH1IFS K5EJ N4PQX N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	210 I8SAT JH0INP JJ2LPV LA4GHA UW7LL W7JW	206 DM5EE IK0IOL JA3PIS K2VV K5AQ KG9N N8DJX SM6BZV US0KW VE3BW
224 DL5WW I3BUI IZ1LBG	220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR K8ZTT KA1R N1LN N5JR VE3EXY	215 AD5A JA9PPC N7JW RA1QD W0UO W2LK W6YI	209 DL5CF DL9MRF EA1RT EU1KY HB9CXZ HB9DDZ JA0UUA	205 I4KDJ JA3AAW JA9FPI K1DT LA7HJA PY2XB W8UN WB8ZRL
	219 IK3VUU JA2FBY JA2FJP JG1ULJ LB8DC	214 DL7BA HL3IUA IZ8VYU JA2JW JA2WYN K3JGJ K4NA OK1DX RN7G W4NL		204 DJ5AV IK7NXM K4JJW KK4SI LX2A N4NX

N7FU	K9US	195	W8LGJ	OK1CZ
UA0SR	RW4NN	EA3JL	WN6W	SM0NJO
US6EX	RW7M	EA5RM		W7AWA
W2HUV	UY0ZG	G3ZEM	191	186
WD8PKF	W0DD	JA1EOD	G0OIL	9A8A
WF4U	W0MHK	JH1QAX	JA1ANR	IK2QPR
WI8A	W2IRT	JN7FAH	K0JGH	IZ8FWN
	W3GG	K7SO	K8FC	JA8DNV
203		K9RT	K9LA	K0BJ
JA2XYO	199	KF8UN	RK2FWA	K3PA
JE1PNX	HB9DDO	N1SV		K6SRZ
K4XO	JA2DPC	NK1K	190	K7LAY
K8AC	JA2JNA	W5ZG	CT1IUA	WA3C
K9MMS	K1GG	W9OP	IZ8XQC	
KK2I	K6GXO		JA1DUH	185
PA0A	N4DW	194	JA1MCU	AB6QM
R6AF	W1TO	K4KDX	K2TE	EA6BF
W8GC	YO2DFA	K9JF	K9KU	G3KWK
		KB9LIE	KF7PG	IK3SWB
202	198	KC9ARR	KM1D	K0BBC
DL1MGB	DL1ROJ	W1NT	LA7AFA	K5ZD
DL2KQ	G3UJE	W2LO	N4XU	N4TJ
DL9DRA	G4BUE	W4FC	N5GH	N5UR
JA3CSZ	IT9JNR	W4UM	SP2LNW	OE2BZL
JA5AQC	KV7K	W9OO	VE7VV	SV1DPI
JH3VNC	RX3APM	WD8JJA	XE2X	UA9CBO
JJ2KXK	W8HB			
K2NV		193	189	184
LY1G	197	DL5ZB	9A2F	I2AOX
N7KA	G3SNN	DL6ZXG	EA8PP	JA2ZL
OK1DOT	I5KKW	EA3WD	FM5CD	JF1NZW
R9TO	JH2UVL	HA5BSW	JA3RAR	JF1PUW
RA3S	K8NVR	JA1XEC	SM7GIB	JH1RFR
SM2OAN	LA5YJ	K4ODL	SP7HOV	K4HGX
UA9FAR	OE4PWW	K9YY	UA7T	K5KLA
W7DO	OE5FIN	KB8VAO	WE9R	KB4ET
WA2HZO	ON4CD	N9EN		KL0S
ZL3IX	RZ6FA	PA0LOU	188	OH2IS
	UA0SC	RN1ON	AA1ON	S57AC
201	UT5EL	UA0CA	AB4IQ	US8UA
AA5AM	196	W9MU	JA1KQX	
CU2DX	4Z4DX	WA2VYA	KB0EO	183
DL1EJA	AA4HP		KB1EFS	CT1FMX
F4BKV	AG4W	192	N8LJ	CT3MD
JA9NFO	DK2LO	9A2NA	RM0F	IT9INO
JO7WXN	DK2LO	DK1FW	W6SR	K8VC
K3HP	F6EXV	IK0FVC	W8JV	KE9ET
K3LR	IK4PLW	JA0EOK	WA6YEE	LA3WAA
K5MC	JA4PXC	JA7JWF		NN2L
N4QS	K8PO	K3FN	187	ON6SAS
N5ZM	KA9FOX	K4FJ	AJ1H	W2FP
W5TCX	KP2A	K5XX	DF2GH	W8NW
	ND0N	K7GM	JA0VSH	
200	RA9CMO	K9EU	K0SR	182
JA1GTF	RZ4FO	N4DB	KN5O	DJ9ON
JH2RMU	W0FS	N5LZ	N2NS	DK3UA
K1GE	W2FCR	W3UA	NE1B	

JA1SHE	CT1GFK	OK1DWC	JF1WPB	W1YW
K8RRT	EA8JF	RN7F	JM1GYQ	W3IP
UR3EO	HA5WA	UA3LNM	JR7BDQ	WA0MHJ
W1YM	IK4ADE	W8UV	K6ZZ	WA4LOX
181	JE1BMJ	W8VVG	N4PY	WC5N
DK3WW	K3WC	WT8C	SP3GTS	166
N3OC	K9NU	173	SV3KH	4Z1UF
VE3OSZ	SM6DHU	5B4ALJ	W9EVI	DJ4SO
W9AJ	W2OR	I1JQJ	WA3AFS	IV3TDM
180	W5LT	JA1PPW	169	JA1FNA
DM2DXA	W7FI	JA3ENN	IK0PEA	JA9LJS
DM3VL	176	JA9TWN	JA1ADT	K3KY
JA2BDR	EU1AB	K1NTR	JR1IZM	K4JLD
K2EP	I6FLD	K4XR	K1LI	K4PB
K4CN	JA0DET	KA1J	N1EN	K4ZYU
K6SSS	JA5IU	N5FG	N4XX	K9MBQ
K7BG	JA6BJV	PY5EW	N7US	OH2BLD
LA9AJA	JA8KSF	W8HC	PE1L	RM3DA
N1RR	JL1SAM	172	UT8MM	W1RR
N4AH	K8MN	G0BLB	UY5AA	W8ILC
ON5FP	N5OK	G3NKC	WB3JFS	WA8TXT
UT2UB	RL3FA	IZ5MOQ	168	165
W1RM	SM5FUG	JA3FGJ	G3MXJ	DL7UCX
W3YQ	W4BP	JA9NLE	IK2EGL	I2ZGC
W7BEM	W4GD	JG3IWL	JE7JDL	JA6VQA
W8TN	YO7NE	K0DEQ	JF2UPM	JE7RJS
179	175	K1BD	K5QY	JN4MMO
IT9ELD	JA1CHN	K6FG	K8RYU	K5JZ
IW0SAF	JS3CTQ	KJ0M	KR4F	KI5BLU
K8WK	K4DLI	W4FQT	N4QQ	KK4CB
OK1MG	K5GKC	WC4X	N8BJQ	NY0V
S57UN	LA0FA	171	PA7F	RC9F
SM4DDE	N7IR	AA9D	SP5GH	SM4CTT
SV3FUP	N7XR	DL6KR	W4SVO	SP6EQZ
W2YJ	SP1MGM	G0EHO	W6RW	W0DJC
W8KEN	TF3SG	HA9PP	W6VX	W5BN
YL2TW	VE3FF	JA6HUG	W8OI	164
178	W7MEM	JR1TNE	WA5YNB	GU4YOX
EA3CJ	WX0V	K1NU	167	HA7UW
HK3W	174	K9YC	DK5AD	HB9BZA
JA2LCP	4Z5CX	LA5LJA	JE3ENP	JA1RTX
JA4MRL	4Z5MU	N0RN	JG0CQK	JA7ZP
JE2URF	JA0GJJ	N4OGW	K4XD	JH2SON
K2UR	JA2XW	N7RO	K6KO	K1NJ
NE0U	JA7MOL	N9RC	K8NK	N5WA
SM7DLK	JF7DZA	RA3DNC	N0IJ	N9FN
SV1JG	JK1OPL	SV1LK	N3BNA	RA3ZH
W6NWS	JR6PGB	WB7B	PA3C	SV2AEL
177	K0TT	ZS1LS	RA1AOB	W4NS
9H1SP	K2KA	170	RN9N	W7YAQ
AE5E	K3AJ	CT1FPQ	S51EC	WP4U
CT1EAV	K4TR	DJ6TK	SP3FAR	163
	K4WS	JA6JPS	UN9L	9A2JK
	OE1WHC		VE6WQ	

DJ9HX	UA0FZ	YV2IF	N4TV	N9MB
K7NN	UX5UO		N5TW	OE8SPW
K8TL	W1BR	156	N8II	SV1CNS
UR4CWQ	W5XC	DL4MM	R9OK	UA6YW
VE3CFK	WX0B	F6HDH	SM6CLU	W6DAO
W7AL	159	HB9TKS	SP5CCC	W7CT
WW3S	JA4FKX	IK0AGU	UT5UY	WA2BCK
162	JE2LPC	IZ8IEV	WB8BPU	149
4O3A	JH6QFJ	JO7HAM	152	AA6AA
9A4W	JH7CFX	K0QC	EW2A	DL7CX
F3AT	K1KA	K8YSE	HB0CC	HB9HFN
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LB6KC	W6BJH	N4HB	KS3F	JA1SVP
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W0HT	WD5BJT	W1YIF	UA6IGI	K3RA
W0TT	158	W4TV	UT5AB	K3TN
W1LW	DJ4PT	155	VE6LB	K4YYL
W3JX	DL1FKA	AB9V	W1SKU	K8ME
W4DKS	JA9APS	DL1RK	W1VT	K9MK
W8WEJ	JH1TWT	DL4SZB	W6RLL	NX8Y
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DK2GZ	JJ1NJC	JE3GRQ	151	W0GG
DL6RAI	JR1GJP	K2LS	AA7G	W7HPW
JA1DOF	K5TT	K4WA	DK2OY	WB8B
JH4CPC	OZ1HX	N3RC	EI9JF	WD5K
K1USA	RU6M	NE0DX	F3SG	WS5W
K5GO	SM4EMO	NW7E	JA6BEE	WW2DX
K8ND	W0SZ	SM6VR	K2FW	YO3DDZ
LB2TB	W1OX	ZS6EZ	N5JB	148
N4GN	W2XL	154	OK1ATP	DK2CC
OH6RA	W3GQ	3V8SF	RD3A	EA7TV
VK3HJ	W4QN	GM3PPE	RU3A	F5CQ
YU2TW	157	JA8NFV	S54A	F5LVL
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AD5Q	AC6DD	K4RG	SV9AHZ	JH1QDB
DL1DA	DK1WB	W1NA	W7RH	KR2Q
EC3A	EA5BY	W2XI	WA1Z	N2WB
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HB9FMN	JA1GHH	WE1P	EA1AF	W9JJB
IK0FUX	JH2QMT	WS7L	IT9DSZ	147
IW2FND	JH7IAJ	YS1RR	IV3RAV	EA3GP
IZ4DPV	K9GA	153	JA2NQG	IV3VBM
JA2EPW	LY5A	AJ9C	JA2VQF	JA1XQC
JE2LUN	N5MOA	DL3ZA	JH1NYM	JH4ALY
JE2OVG	NE9Z	G3TJW	K0RS	K2AX
JF2XGF	RN3OG	HL2CFY	K7LV	K7HP
JR7MAZ	RU4UR	JF1IRW	K8AJS	K8UT
K3MSB	SM3PHM	JR9OPJ	KU4XO	KM1H
NR4M	SV8ZS	K7SP	N3QE	N1IBM
RU6L	W2TA	K8VVF	N9CO	PC3T
	W5GZ			

UN7LZ	SM5CLE	JA5XAE	W0SD	KR6C
W1OP	W2/CT1GIF	JA9RRH	WA8WV	N2ZN
W2KKZ	W4GE	JH1HHC		OK1DW
	W7ZI	JL1UXH	138	SM5OJH
146	WC5M	K2RW	DK8MCT	SP2BMX
F5PAC	WD5T	N8OC	DK8YY	UT3UZ
G4FTC	YO3CD	NJ3K	EI9FBB	UW8SM
JA1HQG		OE6VIE	EU4A	W2OIB
JA4DHN	143	SV3FUO	F6DDR	WB7QXU
JH1GNU	DL1DUO	W3BW	IK8EPC	
K1CA	DL6EN	W4JVN	JA3OOK	135
K5KV	HS0ZEE	W4VIC	JF3LOP	5B4MF
K5SM	K7CMZ	W4WT	JH7RXU	DJ9ZB
K5VWW	K7CW	W8HW	JK1AJX	F6FXU
K6NR	K8ROX	ZS1C	K1RO	IK8GYS
K7WP	KJ9C		K2RET	IV3DXW
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	N6PAT	K6KLY	OZ8X	K1ZE
145	NN4R	KF8DX	RW4CY	K7FL
AF4HX	R8TX	N4XP	V51B	NZ9R
HI3T	W0IZ	N6PSE	W1GD	R7LP
I0JBL	W6QUV	N7WS	W2YE	RN3RQ
JJ3HGJ	W8RLS	OH6NIO	W4YV	SM3LGO
JN1BMX	WB8ZRV	OK2ZV	W7OM	SM5CZK
K1OA	WD9DZV	ON7DR		SP3XR
K3VAT		UN1L	137	W1DIG
K4OY	142	VE6SV	DS1JFY	W2GD
K8BL	I5HOR	W0SEI	EA1YO	W4BUW
KF6HI	IT9BLB	W4NU	GM3YOR	W4MBD
LA6OP	JE1FQV	W7IV	IZ0RVI	W4RFZ
N1CGP	JR7WFC	W8LWU	IZ2FOS	W6JTI
N4GG	K3PP	WO2T	JA3APU	W8GNM
N5XZ	K4WZ	YL2MU	JE6TSP	WE4S
RT0F	KQ4AV	YO9FNP	JH4JNG	
SM3DTR	LA9VFA		JR1XIS	134
	MM0SAJ	139	K2QMF	CT3HF
144	N7QT	CU2AP	K8NS	IK4DCS
CU3EQ	NA4D	DF7EE	N2PK	K1TO
DL5CW	NQ7R	DJ4XA	RA3CO	K3OX
DL5KUA	NY2NY	DL5EBE	RG7G	K7XB
E70T	OK1DO	DL8OH	UU1JA	KA8SYV
EI6IZ	W2OO	JA1TMG	W1ITU	KX4TT
GM3ITN	W5ADD	JH0BQX	W2CG	N9RS
HB9BYQ	W5LUA	K3ANS	W5ODD	NA5DX
I5MXX	W5VQ	K6AM	WB5JID	OE1TKW
IT9GSF	WA5POK	K8GI		PY5HOT
IZ4GWE	WB8CQV	K8RF	136	RG6G
JA3GN		KD0PO	E72U	RX4HW
JR3OEH	141	KU0A	ER0FEO	UA0ACG
K0VSH	AC9S	LA8WG	HB9IQB	W1EQ
K5TR	DL5MHQ	OK1MP*	IK8CNT	W4JKC
N1IX	EW1BA	OK2QA	JA4OK	YU1AM
N3KK	JA1PTJ	SM5CBM	K0TV	
SM4OLL	JA2ATE	SV8ZC	K6EME	

133	IV3KFB	N3RR	W3BG	NW6S
9K2NO	JA2TBS	OH1JP	W3MF	OE1AZS
EU1U	J11DCW	PY5EG		OH1ZK
IZ8DFO	JJ1TEA	W7QHE	126	RA0BA
JA7GLB	JM1FHL	W8MET	DJ8WD	UN7JID
JA7LGE	K1UU		F8BPN	UU7JM
JA9AGN	K5VIP	128	G4IUF	VE3UTT
K1ZN	KC2LSD	AA4SC	HB9FMT	W5DAW
K2CDJ	KH2L	DM2RM	IZ7EVZ	W9CG
KS4YT	KM4H	HB9CQK	JA1XCZ	YO2RR
KU2A	N4QWZ	IT9ZZO	JA7KY	
N9MR	N5PHT	IU0HDC	JJ1DWT	124
OE1KM	N6RK	JA2AHH	JN1RQV	AA7XT
RA5BM	ON4ON	JA2KSP	K2ZD	IK3VBB
RV4LC	R0SR	JA9AA	K4JKB	J11DHY
SV5DKL	R9MJ	JE1LFX	K4XU	K4ZO
UQ2PZ	R9SA	K0FF	LB7ZG	KD4POJ
VE3WT	W8DCH	K3XA	N8NA	NA2U
W0NFL		K4JAF	OK3CQD	PA0TCA
W2QO	130	K4SE	PA5TT	PA3EWP
	DF9ZW	K6LPO	SQ5EBM	UA0BA
132	E73M	KG7CW	VE3CX	VE1DUN
AA4NC	EI2JD	LB5WB	VE7BV	W2JU
AB9M	G7VJR	N5KM	W8MK	W2RIJ
AD6W	HK0HEU	OZ1IKY	W8REW	W3FM
IT9RDG	JA2FBC	R9SG	W9ILY	W6CYX
JA2KVD	JG1DUZ	S53X	WB0O	W8LMG
JA6CBG	K2MYR	S55DX	WB2REM	
JR2LJO	K6SIK	SM3GQP	WD4LBR	123
JR6FC	K7LFY	SV3DCX	XE1KK	AB1OC
K6YUI	K8BCK	VQ9LA	YU1EXY	AC4TO
K7TM	K9GL	W2WC		DL7JRD
K9ZM	N3MK	W4IS	125	DL9FCY
N6HY	NA4EA	W6RKC	9A1AD	F4GTB
ON4CAS	NO9E	ZS1A	GW3TMP	G4WFQ
OZ2RH	OZ2ABI	ZS6UT	HB9RYZ	G5LP
SM4BZH	R3VA		HK4SAN	HB0WR
SM6BGG	R5QA	127	IK5DNF	IK2CHZ
SP6M	R9AB	HK1MW	JA4IYL	IK3XJP
VE3CRG	RU1AO	JA1DDH	JA6VU	JA0CRG
W4AXL	TA1CM	JA1WLO	JE1TSD	JA1SVJ
W4RBO	UN7JX	JA8RJE	JE6UWU	JA3MHA
W4WM	VE3DO	JS2LHI	JF2WXS	JA6WJL
W5AJ	W2MPK	K0RW	JH3CUL	JH3AIU
W5SL	W9ZT	K3TRM	JH4ADK	JR1EBE
W6DR		KM4NS	JL1RUC	K2PK
W7AH	129	N1AC	K1HAP	K3XO
W7CD	HB9AZZ	N1GC	K5KG	K4ZIN
W9FR	JA1NWD	OE8HIK	K8DV	K5GH
WB3D	JA8JO	S51NM	KA6BIM	K7UT
XE2S	J14POR	SK7AX	KI4WCQ	K9CS
	K3NK	SM0BYD	LZ1XL	KV4T
131	K4TT	SP6A	N2KA	N2ED
CT1FCX	K6XM	SP7ASZ	N3EN	N4DWK
DK7YY	KM3V	W0CP	N4JT	N6MZ
G3UHU	N0YY	W0RT	N9RD	N9JV
HS1NGR	N3KS	W0YVA	ND5S	N9LQ

NA2P	120	N8PW	JA0AOO	WP3R
S50B	9A5F	N9UA	JA1HQT	WQ5L
UA3DK	AC9EM	NT2A	JA4FM	
UT3QU	AL7TC	NY7T	JA7GYP	115
W1AO	DL2VWR	OH5NG	JA7IC	AA5JF
W8NJR	FG5FR	OK1DT	JM3GXU	C6AGU
WB8K	HB9BLQ	R6FFB	JR2UBS	CU2CE
WV4TN	HB9DHG	SV1ACK	K1BZ	DL9GOA
XE1H	IZ0LKV	SV1IW	K2BB	G4XEE
	IZ5NFD	W0RX	K6PJ	G8BCG
122	JH4GJR	W4HZ	K7PI	G8DX
G3NDC	JR6LLN	W8FIB	K8OOK	HA5UK
HA1RB	K2BA	XE1RCS	K8QM	IZ7JVR
JA1MRM	K2HK		N2BJ	JA5FDJ
K1ESE	K3QIA	118	N3ND	JH1RFM
K1YT	K5JC	5T5PA	N4IR	K0GD
K2MP	K6FW	AA4DD	N6MB	K0SD
K7ZA	KA8ZPE	AB2E	N8AA	K4CMS
KR0P	N4BAF	AE3T	N8XI	K4GHS
LA7WCA	N4TB	AG1A	NY4G	K4GK
LA8PT	N4TL	DL5OCE	SM7BIC	K5XM
N9AW	N4UFP	JA4FHE	SP8HKT	K8YTO
NA9RB	OE3EVA	J18DGO	UA6J	KO8SCA
NN7X	OZ2A	K3WGR	UB3A	KV1J
OE3SGU	PZ5RA	K4CNW	UR9IDX	LY4T
OZ3Y	RL3BZ	K8LN	US1CT	N0IRM
RD4A	SP7ITB	K8WVA	W4ZRZ	N4OA
UU4JMG	UR5IKN	K9DR	W5JMW	N8KOL
VE6AX	US0YA	K9SG	W6SL	PA3AXU
WA3I	W2YR	KD2T	W8ZR	RZ6MJ
	W3OA	KD6UO	WA2USA	UA1ANA
121	W4PRO	KG8CW		UA1CGS
AA6RR	W6RFL	KV4AA	116	UA6XT
CT3KN	W7RN	LZ2HM	AJ4F	UN6T
DF1DB	ZL4AS	N2MM	DL7URH	VE3YF
DK1EI		N3NR	EA5BRE	W1OPD
DK6CQ	119	N4DJ	EI2GLB	W4UCK
IK2SGB	AA3AZ	PY2PA	HA7PF	W9XX
KD8RQE	AJ4A	RN3TT	IK0EIE	WA7BNG
KG9Z	DK3GG	SP6JIU	IK2OHG	YL2CZ
N0OK	EW4M	SV9COL	IT9TQH	
N1JP	G4DJJ	TA2RC	IV3HYD	114
N6HC	HB9AAQ	VK4CAG	JA1WTI	BA4DW
SV1AHX	HB9BCI	W1KSZ	K1DC	BA7IO
UQ1GWW	I2TZK	W4DAO	K1RI	CT3FN
UT4EO	I4MKN	W4NF	K3FRK	CU3AK
UU2JQ	IU0LFQ	W4NJ	KT1V	DL6NB
VA3AYA	JA3AZD	WT4Q	PA0JSE	F6CWA
W0QQ	JA4XGC	YO4AUL	RV3ID	G3SDL
W2GG	JE2JMV		TZ4AM	HK3PJ
W2TB	JH6CDI	117	UA4PCM	HP3TA
W3RJW	JR3UIC	9Y4VU	VA7CRZ	I5OYY
W6XI	K5UZ	AE0P	W1ENE	IK7YZG
W9YE	K7EG	BH4IGO	W1WEF	IW0HEX
WA1PMA	K8KWT	DL1DWT	W7GG	JA2KNW
WY1G	N0KV	IT9AAI	W7OEV	JA4KDT
XE1VIC	N4LR	IT9DAA	W8LRO	JA5WIZ

JH1AGU	UN7TW	W1HEO	W9RB	109
JH6WMJ	VE3KI	W2CVW	WA2BOT	DF1KG
K1RV	W2GW	W2SKI	WA2MUA	EA3GHZ
K2DC	W6BK	W3MR	WB9EEE	EU4T
K3MD	W8FAX	W3UL	YL3DQ	F8EZE
K3OSX	W9DX	W4VHF	YO6HOY	G3SVD
K5RJ	W9VNE	W5VX		J68HZ
KB8U	WA4DOU	W6TC	110	JA2CXF
KZ4V	WB2HJV	W8GEX	CU3AN	K2ONP
N1QY	WB2UFF	W8HMK	DG7RO	K4RDU
N2JJ	WS4C	W9SE	DL1VDL	K5KA
N3MN	WX3P	WA8MCD	EA5BYP	K6MW
N4IQ	XE1RBV	WA8OLN	F5BAR	KC2STA
NU8Z	ZL1BYZ	WT9U	G3LNS	KE1F
UA3FT		ZP6CW	G8AJM	N1BZ
W0VX	112		HC1BI	N8NN
W4TUN	A92IO	111	I2BBJ	N9ISN
WA1FCN	DJ1RL	AA4U	IK5RUN	ND4V
WA9YYY	DK5RL	AB4GE	IK8UHA	NN4RR
WN9O	DL5CL	AF4OX	IZ0CKJ	NU4I
XE3ARV	EA1JO	DK2WH	JA9KRO	NX7U
	EI8IU	DK6ED	JE2UFF	PY5CC
113	EW1DO	DL1HRN	JH1VHU	RW4UU
9A1A	G3XGC	EV1R	K1EO	RW9QA
BA4RF	HB9CRV	F6ECI	K3JRR	RX3AGD
DJ5DT	HB9EFK	G3PLP	K3PH	TG9NX
DJ9RR	HB9G	G4DBN	K4WW	UB5ZAL
DL8CM	IU8FRE	HL3GOB	K5WAF	UT7KF
DL8DYL	IZ4DIW	JA1AUD	K6MI	VU2CPL
EA5KA	JA1SXR	JA1FGB	K6VKO	W0VHF
G4AFJ	JA4BXL	JA1NCZ	KB4MRX	W5WP
JA0GCI	JA7BXS	JA1OVD	LZ1PM	W9FI
JA2HYD	JG3LGD	JE2EHP	N2CG	WB5TUF
JA4ITW	JI4WAO	JE8TGI	N3HBX	WC2K
JH1ORA	JK1EXO	JF2WGN	N3IQ	WN0L
JH3GCN	JR7FRW	K2HAT	N3JB	YV3AGT
K5CD	JR7TEQ	K7ORK	N4KE	
K8SL	K0JPL	K9AJ	N5BO	108
K9FN	K0TPP	KM1R	NC6K	AI2Q
K9GWH	K1KO	KZ0X	NY4I	AL7R
KA4RRU	K3NF	LA0CX	OZ1LCG	DL6CNG
KH6DX	K4UAS	N4WJ	RD9M	ER1LW
KI0G	K8CC	N7BD	SM5BHW	G3VAO
KT1J	KB2FCV	N9HF	SV1VS	HB9BAT
N7KO	KI4DLS	NA1DX	UA3O	HB9CEX
NA3F	KM1C	UR6QA	US7MM	HB9FAN
NG0G	KM3T	UT1UY	W0UY	IK0PRG
NI5F	LA8HGA	VE6KC	W3XY	IZ0BTV
NK5B	N5ZC	VE7CT	W4DC	JA2MOG
R7NA	N6MA	VE7UF	W4NE	JA3NHL
RA4UN	N6PE	W3FOX	W5VY	JJ2PIK
RZ3AUL	RU4SU	W4HOG	W5ZPA	JK1MZT
SM5ARL	SM3DMP	W4OX	WB4TDH	K1EP
SP3EPG	UA1ACG	W5AQ	WL7E	K1XM
SV1FKZ	UA1CEI	W7VS	XE1FAS	K2CJ
SV1JFV	UT6UD	W8KA	YU7AU	K2KQ
SV2AVP	VE7XF	W8MIL	ZL3NW	K2MK

K4WY	N3DAP	N2CW	K7OX	K0MD
K6UT	N4RF	N2WLG	K7PO	K0WK
K8OM	N6EE	N3XM	K9RO	K1BG
KM8AM	N7TY	N8AID	KI5T	K2BLA
KN4JX	N8AGU	NA5Z	KT2E	K3FM
LU2DKT	NA5Q	NI5M	KX2A	K4KEW
N4MEC	OE1CP	NS3L	LZ1JZ	K4MF
N6RFM	OK2BUZ	OE5CSP	N4JI	K4VIG
N9TF	OK3CQR	OK1AYU	N4NW	K5HK
NU4Y	R0FA	OK2BVG	N4SC	K6UM
PA0ZH	RN4AA	S57AL	N4VN	K7TJR
R5FY	RV6ARZ	UR3CRO	N6NU	K9EA
R7LA	SP3BQD	UT7UU	ON7PQ	KA2BZS
RX6DX	SP6AXW	UU5WW	OZ4AAL	KH6KG/W5
S57J	US5CB	V73AZ	PF7M	KI0KB
SM6AOU	VE3OI	VQ9SS	PJ2/K8ND	KK9H
UX7UN	VK3NX	W1CWU	PY2DS	KW0A
UZ6LWZ	W3KB	W2EQ	R6YY	LZ2XF
W2UB	W6TDX	W2LE	RA6AF	N2SQW
W3NRJ	W8IW	W2NO	RD4WM	N3ER
W4ZYT	W8VK	W3ICM	SP5JXK	N3TR
W6KK	W9CPV	W4IR	UA6LCN	N4TTE
W7ACD	WB6CJT	W5JAY	UR1RWX	N6PF
W9HBH	WB8ART	W8OP	UR2RGN	N6PF
WA2ALY	WS1L	WA4MYO	VE1PZ	N8MZ
WA4CEM	XE2YWH	WA6TLA	VR2MY	N9DR
WA8MOA	YL1XZ	WC6DX	VY2ZM	NJ9C
WC1M	ZL3RJ	YL2GN	W1LY	NK7C
WD9EQU		YU3EF	W4OWY	NN3Q
WW1WW	106		W5KI	OH2OT
	AA4FL	105	W6FF	RA1QX
107	AE2U	DF2PI	WQ5W	RU3UR
4Z5LA	DJ6OZ	DF8AA	YU1NR	RZ6DX
DJ8ES	DL1QQ	DJ3XD		RZ6LB
DK3FB	DL2NOM	DJ6KH	104	SM5CCE
DL2CHN	DL3JSW	DL4ZAB	9M2AX	SM7CQY
DL5XU	EA3CCN	DL6JZ	AD1C	SO5AS
DO4DXA	HA8DZ	DL6XK	AH0U	UA9FGJ
EA5AT	IW3GJF	DO1CTL	CP8HD	US5CAO
EA7QW	JA1VLK	ES1GO	CX3CE	UT4EK
FG8OJ	JA2MNB	G3YUV	DK3BK	UT7EC
G4AKY	JE6IGP	HA8FW	DL4FAP	UX4UM
G4RGK	JG3HBO	IZ2EWR	DL7UPN	UY0MM
HI8R	JG5RVQ	JA1BWA	E73D	VE3VHB
I5IHE	JH2KKW	JA1TAA	EA8ZS	W0YBS
IT9XTP	JJ0NCC	JA4EVN	F6AJA	W1QA
JA5EY	JR0EQQ	JA6VA	F8GB	W3DRY
JA8JTH	K0DEW	JA7BME	G3BRD	W3TMZ
JH9DRL	K1PX	JA8RRF	HB9CIP	W5CWQ
K3SW	K4DSE	JA9APM	HK3O	W5GJ
K3YBN	K4SAF	JF1RYU	IK0DWN	W5ZO
K5FZ	K5AM	JO4CFV	JA1SDV	W6PH
K5KPE	K5ZQ	K1DJ	JA2FGL	W7DR
K8LBT	K8JJC	K2XF	JF1EGO	WA0I
KE2R	KP4AA	K4MS	JF6WTY	WA0RVK
KZ1W	KQ3F	K4YJ	JK1BSM	WA9ETW
N2RR	N0JZ	K5AV	JO1WXO	YC0LOW
				YO5ODE

103	US2WU	LA3ANA	HB9NL	S59DJK
AG1I	UT2AB	N5RZ	IV3GOW	SM2DMU
AI3Q	VA2ZO	NZ3M	IV3KCB	SM7NDX
DJ1MM	VA3IC	OH2EA	JA1VVX	SP7JLH
DJ7PI	VE3EDY	OH4UI	JA2VMU	SV1PL
DL2HX	VE3MFA	OK1DTN	JA6TMU	UA0FDX
DL8YRM	VE3VV	OK1JDX	JA7SFD	UG6GAW
DM5TI	W0UVC	OK3CSQ	JF1RPZ	UR7CQ
DS3HWS	W1CTN	ON5UE	JH3HGH	UT1CC
EA7SG	W4AVY	PA7TWO	JH3PRR	UT4IS
EU6MM	W4MZ	PV8ABC	JI3KDH	UT7HA
EW3LB	W5THT	PY2DO	K0LW	VE2OJ
G3BDQ	W5VU	R2AB	K1YR	VE3XB
G4AAW	W6SZN	R3IS	K2BX	VK2GR
G4PUQ	WB8BZK	RU3UN	K3SEW	W1AW
G4VGO	YO7APA	SM6WET	K6AAW	W1FC
I0OSI		SP5MXZ	K6XJ	W1GF
IK2ANI	102	T77V	K7AR	W2SF
JA2GQO	A6/RV6LNA	UA1AIR	K7IA	W3WH
JA2OLJ	CT4BD	UA1CKC	K8BN	W4BUE
JA8EJO	DK3QM	UA6HOF	K8ZR	W4PM
JH1DGQ	DL3DXX	UA9MR	K9JU	W7AV
JM2RUV	DL3NCR	UA9UCO	K9PG	W7CB
K0EOO	DL4CW	UW7CN	KC4PX	W8GB
K2UVV	DL4KUG	VE2FYR	KD3UY	W9MAF
K4LQ	DL5RDI	W0QC	KE1VT	W9ZCL
K5JUC	EI4DQ	W1MRH	KE4S	WA3EKL
K7BTW	ES5RW	W1PV	KF7NN	WB3HLH
K8CCV	F6BWO	W2LW	KN6J	WC4H
K9MUG	FM5WD	W2TX	KQ1F	WK9U
K9XJ	HB9AHL	W3EKT	LA2GV	WR2G
KE1IU	I8LWL	W4ALF	LZ1XZ	WW5G
KJ4R	IT9SFT	W5TO	N0STL	YO2OXD
KJ7WY	IZ4MJP	W7IUV	N2AJ	YO6BHN
KM9E	JA0HXV	WA0IDK	N5AQ	YV4DYJ
LA9GX	JA6OXT	WD8DSB	N6WM	
LX1DA	JA7EPO	WS4Y	N8AG	100
N0RU	JA8OW	YO2IS	N9JCS	9M6YBG
N1HOQ	JR1BAS		N9PGG	A41ZZ
N9BBQ	K0YN	101	NE1F	AA4AK
N9SF	K1EDG	AA2VG	NX2X	AB4VV
ND3L	K1PTF	AA3LX	OA4TT	AC4VM
OH3GD	K2LP	AA4NU	OE3WQB	AG4Q
OK1DQT	K2TK	AC5O	OH3TY	AI2S
OK2BQU	K3KG	CT1JGA	OK1PGF	DJ6OI
OK3BRK	K4AQQ	D44BC	OK2BOB	DL1TPY
OZ7JZ	K4KAY	DH2FW	OK3EY	DL1TRK
PA0GMM	K5ZO	DK9WI	OK4MM	DL9GTB
R9GM	K6DJ	DL1KS	ON4LG	DU7ET
RA0FA	K7BHM	DL3ANK	OZ5HP	EA2AAZ
RA4HT	K7UA	DL5JS	PA4WM	EA3ALD
RK3QY	K8BHZ	DM3ML	RA3AH	EA8AXT
RU3OW	KB9DAK	EA1WX	RA4P	EC5A
SM3CBR	KJ6NZ	EU1TT	RA4SD	EI9E
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SM7BHH	KW4BY	G4FJK	RK9F	FM5GU
UA3PFN	KY6R	GM3WTA	RY6M	G0VXE

G3OIL	N7TK	W8CNL
G4CGG	N8IL	W8FN
GM3ZSP	N8NB	W8GDQ
I2VGW	N9ADG	WB4SON
IK0HFO	NA6O	WU2M
IK4MSV	NA9Q	YB1TJ
IS0/YO3RA	NB3R	YL2SM
IW0BYL	NG7A	YO9FLD
JA1BRK	NJ3I	ZP9MCE
JA1CPU	NN4SS	ZS2DL
JA1ILA	NU1T	
JA1JAT	OE5JDL	
JA4FSH	OK1DXD	
JA5DQH	OK2PAZ	
JA9CGW	ON4ANN	
K0FLY	ON7EH	
K0LB	ON7GB	
K0XM	ON9CC	
K1NA	OZ1ZD	
K1NZ	PA0INA	
K2CBI	PA7RA	
K2CYE	R3PJN	
K3TZV	R9JX	
K4FT	RA3SD	
K4KSY	RA4LW	
K4UQC	RA6XB	
K7VIC	RC2A	
K8BZ	RN1A	
K8CR	RT5A	
K8CS	RU3GF	
K8LE	S53MJ	
K9NZ	S59SV	
KB0EL	SV1VJ	
KC0V	SV2DSJ	
KC4D	UA3AKI	
KC5LT	UA4PAY	
KD8BZY	UA6CEY	
KD9HL	UN6P	
KP4N	UR4CW	
KQ5M	UR4LRG	
KS4XQ	UR8IDX	
LA6UL	US8UW	
LA8W	VE1RGB	
LU5OM	VE3OAT	
LU5YF	VE7JKZ	
LZ3YY	VP2VA	
MM0SJH	VR2PX	
N0AH	W0GYH	
N1KI	W0MU	
N1MD	W1AN	
N2DPF	W1YRC	
N2SG	W2CCC	
N2XQM	W3BBO	
N3AF	W4HHN	
N4CRI	W4OV	
N4ZR	W5BK	
N7DED	W7DT	