

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 24 Oct 2021, 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 ON4UN* R4GM	315 OH3SR S50U	W5IZ	300 F6BKI G3KMA GM0GAV GM3YTS I2ZFD JA4LKB N3XX PA3FQA VA3EF
340 K1ZM	324 K2TQC	314 IK4GME IK4WMA NX4D OK3GU OZ1LO PE5T RW2A UA4CR	307 4X4DK DJ7MI IK4MGP K4SV RZ3AM	299 CT1EEB K1UO N1BUG NN4T W7UT
338 W4ZV	323 K9UWA OH2BO SP5EWY W1NG	313 GM3POI OE3GCU OZ7YY W1JR	306 I4EWH K4CIA SM0AJU	298 9A2AJ IK2DFZ K4TEA N4RJ OZ3PZ SM3EVR SM3GSK SM5CEU
337 EA8AK	322 UX0UN	311 DJ6RX G3PQA RA7A	305 JA7NI OH1MA RW3PZ VE3EJ	297 DK5PR JA4DND OM2XW SP3EPK W0CD
336 W4DR	321 K5NA W3UR	310 N1DG SM5BFJ SP2FAX	304 N4IS N4JJ* OH5VT UT3UA WT3Q	296 DJ2BW F5NTV G4PWA JA1BK N4CC OE6IMD
334 N4WW OH2BU VE1ZZ*	320 W8UVZ	309 DF3CB DJ9KG I4AVG W3GH*	303 F5LGE K9QVB	
333 R7LV	319 K4PI N0XA S50A SM4CAN WB9Z		302 DL4MCF K4ZW UT5UGR YU1FW	
332 UR0MC	318 K8MFO			
330 LZ2DF OH1XX UT7QF	317 I4EAT* W9ZR			
329 AA1K HA0DU UA4HBW		308 IV3PRK K5RK K8GG KJ9I SM6CVX		
328 K3UL UA4CC	316 EY8MM W2VO W3LPL		301 DJ0MDR DL9KR N1RJ S54E	
327 K5UR				

ON5NT	287	SV8CS	RA3DA	265
W1JZ	DL1RWN	UA3AB	SP6AEG	NR1R
295	SP7VC	W2YC	UA3DPM	SP6CIK
OE1WEU	VA3DX	279	272	264
UA6A	W4PK	EA6NB	DL1DUL	I2AOX
UX1UA	286	G4CCZ	F6AOJ	SM5KNV
W0FLS	PA0WRS	N2TK	K1ZZ	US5WE
294	RY9C	NO3M	K5DU	UX1AA
JH2FXK	S58T	OG2M	KF2O	263
K3UA	WK3N	UA6MF	271	AA4V
RJ3AA	285	278	EU7A	DL2OE
SV8JE	9A7V	DK0EE	G4GED	K9OW
293	JA2JPA	F6BEE	W6UB	W2SM
DF2UU	K3SX	JR2KDN	270	W3AP
KV4FZ	W8AV	K1CP	CT1APE	262
LA5HE	284	K8KS	OE5KE	CT1EKY
292	IK1GPG	277	OZ1CTK	JA5AUC
G0JHC	JH4UYB	AA4MM	269	K4UEE
OZ1BTE	R7NW	HB9BGV	F5NBU	KR9U
R7FK*	US4EX	IK5BAF	IK4CIE	UX4UA
RA3DX	WD5COV	K4WM	KG4W	W1YY
SV1AOZ	283	K9CT	OH3BU	YO5BRZ
W3YX	DJ2YA	SM6CNN	RV3LO	261
W8TOP	I5NPH	276	W1ZC	AA1V
291	N2QT	DK5WL	268	AA6YQ
JA4LXY	N8DX	G3LZQ	9A2EU	DL9YX
KD9SV	NA0Y	HB9BIN	DL5DSM	K2EK
290	282	JH4IFF	DL7VEE	K5KC
DL1AMQ	DL1YD	K4SO	EA6SX	K6ND
SV1FJA	G3XTT	N9IW	G3WPH	N6SS
UA3AKO	I0WDX	OK1AWZ	RA3XDX	RW0LT
UA3LAR	IZ0AEG	SP3IBS	RK4FD	260
289	N2LT	275	SM5DJZ*	AA7A
DF3GY	N3SL	9A1CCY	SP9DWT	K4DY
G4BWP	N4KG*	IK4DRY	VE2TZT	259
JA3ONB	SM5AQD	N8RR	W1MK	DF4PL
LZ2JE	SM6CTQ	SP3DV	267	F6GCP
N0TB	UY5ZZ	SP5CJQ	HB9AMO	G4OBK
RX4HZ	W5ZN	UW2ZM	NJ6P	IZ1ANU
SP3E	281	W2OKM	ON7TK	KD5M
288	DF2PY	274	RZ3DX	R9FM
PA3GCV	JA2PJC	G3TXF	SM6CCO	W1GL
RA3CQ	R3OK	JA3FYC	266	258
SL0ZG	S59Z	K4IQJ	IK8HJC	EA5BM
SM3NRY	UT7UW	273	MD0CCE	K0KX
SM6CMU	W0BV	JA5EXW	R3LA	RN3CT
UA4LY	W4TO	JR7VHZ	UR5WA	VE3QAA
W0JX	280	K2CL	W8TE	257
	SM4DHF	K2UO	W8XD	DJ9VA
	SP6HEQ	K5BG	YO3APJ	

K1GUN NN1N W9YSX	N3NT OZ8BZ W1TSP	ON4ATW	236 K1JO OK2ZI SP8AJK UR5MID	IV3YYK JA0DAI JA1CMD JA5MHD K2UU N8JV SM3NXS W4GF W4VQ
256 9A5CY I1FQH K1QX K4XP K5VRX PA7MM	249 AI9L NQ1K SP5DRH	242 K0IEA KG7H PY2RO W9RPM	235 IK0XEZ K1FZ N6DX R7DX	229 CT1FJK JA0CRI JA8EAT JI1BEX K1DG K2FF K9NR RA0FF RO7T W9IXX
255 K4QL KX4R N2MF W5OZI	248 JA8ISU K5RX K9NW KY7M SM3VAC T77C W9NGA	241 JA1HGY JA3EMU K5ZK N4XM N5TY N7RT OK1DWJ SP5GRM UT7UJ VE1YX VE3NH	234 JF2MBF K3SWZ K4UTE N2NL PY1BVY VE7IG*	228 AF9H DJ4AX KA9CFD NT0V* OH2BEN
254 EI7BA G0DQS IK6DLK K5XI N0AT W3DF	247 JA5BZL JH1GZE K6XT N8TR NO2R R7IA SP5DIR	240 AG9S K0JUH K1ZG LA2XPA PA4VHF RL9F TF4M W9XY WX4G	233 IZ4BEZ JA7QVI JR3GWZ K0CS K9RX SK3PY UA4HAU VE3XN W7AO YO7LCB	227 ES1RA IK0HBN IK0XBX K1FK K3NW K9ZO KF0QR N2WK NI0G SV1RK W3KX
253 RU3FM S58Q SP9FKQ SV8BHN UA1OMS W0YG	246 DJ2TI G3ZSS N6TR W2TQC	239 EA4KD JR3IIR K9OT KH6AT LY3UM NO8D SV1ELF	232 9A4T K2AZ K4XL KC7V NI6T UA3AP VO1HP WA7NS YO9HP	
252 EA1DR IK5HHA K7ZV K8FL LU8DPM SP9JZU W3UM	245 JA1GV JG3QZN K3WW N5DG N9US RY7G WB3AVN	238 DL8WN K0KT K1HTV N5KD ON4IQ UA3TT UX0FF	231 4X4NJ F6BLP HA9RE IK0YUT IV3ODE KA7T N7NG ON4ACG S57A W5XZ	226 AI0O DL7HU G8VR JA0FSB JA1UQP JF2KOZ K5EK ON4AOI UT5JAJ WB6RSE
251 DJ7RD DL9RT JH0BBE K8PT VK4MA W5UN W7LR WA4FFW	244 5B4AGN DK6WL F2JD JQ3DUE LA3MHA SP1S UT9FJ	237 DL7MAE K1VW* OM4EX R5DT W4YO*		225 A45XR AA1QD
250 HB9RG IK2YCW K5ESW	243 DK2JX DK3DG DL4CF I1EIS JA2VPO		230 AB4I	

E72A	JA1SYY	214	W7JW	N7FU
FK8CP	KA1R	AB3CV		PY2BW
K1MM	S51DI	HL3IUA	209	UN5J
K5AB	SP8NR	JA2JW	DL5CF	US6EX
K9FD/KH6	VE3EXY	K1AM*	EA6VQ	WD8PKF
N4CH	ZS4TX	K8ZTT	K3WA	
OE5NNN		OE2LCM	ON6YH	203
RA3QK	219	OK1DX	VA2WDQ	I4KDJ
RV1CC	IK3VUU	RN7G	VE1DX	JA2XYO
RW3XZ	JA2FJP	SP7GAQ	W0AIH*	JA3PIS
VA5DX	K1AR	W4NL	W0ZR	K4XO
	K6TA		W6PBI*	K8AC
224	N1LN	213	W7KNT	KC6AWX
JA8FKO	N5AW	DF2IS	WA5VGI	KK2I
K9FD	OE8RT	DL5WW		N4NX
N4II	SP4K	EI3IO	208	OM3DX
N8BM	WA2UUK	JF6DSZ	AD5A	PA0A
OZ4O		JH4ADV	JF3KON	R6AF
S52F	218	K3JGJ	K2FU	W8GC
SP5INQ	DJ4PI	NA2M	N5ORT	W8UN
US0SY	DK0PM	RU4SO	RU3ZX	WS9V
VK6VZ	I3BUI	W0LYI	SM5JE*	
W2RQ	IV3JVJ	W1FJ	W6PJ	202
	JA8CDT	W2WG		DL1MGB
223	K0EU	W3YY	207	DL2KQ
HA7TM	K1LT		I4LCK	IZ8FFA
JF8QNF	K5UO	212	IK0MHR	JA2NDQ
JH1HGC	KD0Q	DF6PB	K1LPS	JA3CSZ
N6AR	UT4MF	DL9GFB	K8EUR	JG1ULJ
RT6T	VE6WZ	K1ST	WB9CIF	JH3VNC
SV8GFW	W3LL	K8SIX		K2NV
	W5PJR	KE9I	206	LY1G
222		KG6I	AJ6T	N7KA
AB0X	217	N1ZZ	DJ8NK	N9AU
JA6BZI	IK6FWJ	N4MM	K2VV	OK1DOT
K6EID	K5PC	ON4GG	K4NA	R9TO
N6JV	UA3AGW	VO1NA	K5AQ	W2HUV
N8PR	W0VTT	YV1DIG	KG9N	ZL3IX
SM0CCM			SM6BZV	
W7KW	216	211		201
	K3SV	JA4DEN	205	DL1EJA
221	K4MWB	JA6LCJ	HA1RW	JA2FBY
EA1N	N5UL	JA9PPC	JA3AAW	K3HP
JR6EZE	OE1ZL	K4MQG	W1ECT	K4HB
N6VR	RZ0AF	K8FH	WB8ZRL	K5EJ
N9BX	SP3CGK	NX0I	YU3AA	PY2XB
NV9L	UT7UV	SM5CZQ		W1TC
W1ZK	VE3LYC	UR5EDX	204	W5TCX
W6JRY	W6XA	W0UO	AA9A	WI8A
W9BF		W6YI	DJ5AV	
WS6X	215		HB9DDZ	200
	N7JW	210	JH0INP	DJ5FI
220	R5AJ	I8SAT	JH2TPI	DL7BA
AC4G	RU3QR	IK4DRR	JJ3PRT	DL9DRA
AG8B	W0GJ	JJ2LPV	KK4SI	JA1GTF
HB9LCW		K0MN*	LX2A	JA7MSQ
HL5IVL		W2LK	N0AV	JH2RMU

JH7PFD	W2FCR	191	W7AWA	RM0F
K1DT		K8FC	W8JV	UR5FEO
K1GE	195	K9LA		VE3OSZ
K5MC	4Z4DX	RK2FWA	186	WA7NB
K8ZH	F6DAY	W3UA	I5KKW	YO2DFA
K9MMS	G3ZEM	WA2VYA	K4ODL	
NN4X	JA1EOD		K7LAY	180
RA3WDK	JA5AQC	190	W4FC	AB4IQ
RW4NN	K7SO	IK7NXM		DM2DXA
RW7M	K9RT	JA1DUH	185	IF9ZWA
SV2JAO	KF8UN	JA1MCU	AB6QM	IK2QPR
VE3BW	N5JR	JA7JWF	EA6BF	K6SSS
W3GG	RU3SD	K2TE	G3KWK	N4AH
WA2HZO	W9OP	K9KU	JA2JNA	ON5FP
		N4PQX	K5ZD	ON6SAS
199	194	N4QS	N4TJ	WN6W
EA1RT	IW1ARB	N5GH	N5UR	
JA2DPC	K4KDX	RA1QD	OE2BZL	179
JE1PNX	K9JF	SP2LNW	SV1DPI	DK1FW
JH1IFS	KC9ARR	VE7VV	UA9CBO	DL9MRF
K6G XO	LA7JO		W0EWM*	K0BJ
N4DW	W2IRT	189		K8WK
N8DJX	W2LO	7M4H XF	184	K9US
W0M HK		9A2F	9A8A	OK1MG
	193	EA8PP	IZ8XQC	SM4DDE
198	DL5ZB	FM5CD	JA9NFO	SV3FUP
DK2NG	DL6ZXG	KM1D	JF1NZW	SV8CKM
DL1ROJ	HA5BSW	MM0EAX	JF4VZT	VE3DZ
G3UJE	HB9DDO	SP7HOV	K4HGX	W2YJ
J12KXK	K3JT	UA7T	KB1EFS	W8TN
K4JJW	K3LR	W0FS	KB4ET	
N9LB	N1SV	W5DM	N8LJ	178
W0DD	N9EN		S57AC	AA1ON
W1TO	PA0LOU	188	SM0NJO	JA3RAR
W7DO	RN1ON	9A2NA		JA4MRL
W8HB	UA0SC	HB9CXZ	183	JA9FPI
	UA0SR	JA1ANR	IT9INO	K2EP
197	UA9FAR	JA1KQX	K8VC	K2UR
G3SNN	W0RI*	KF7PG	K9YY	LA3WAA
JA2IVK	W9MU	LA5IIA	OZ1AXG	LB8DC
JA2WYN		UA0CA	W2FP	N5LZ
K3KO*	192	W6SR	W8NW	NE0U
K5RT	AA5AM	WA6YEE		SM7DLK
OE4PWW	AD8P*	WF4U	182	SV1JG
OE5FIN	IZ1LBG		EA3JL	UT2UB
ON4CD	K3FN	187	JA1SHE	W4UM
RZ6FA	K4FJ	AG4W	JA8DNV	
W0LS	K5XX	AJ1H	JH1QAX	177
	K9EU	G4BUE	K5KLA	9H1SP
196	KB9LIE	JO7WXN	K6SRZ	AE5E
AA4HP	LA5YJ	K0SR	KV7K	IK0FVC
JH2UVL	N4DB	KN5O	UR3EO	JE1BMJ
K8PO	RN3QN	N2NS	UT5UT	JF1PUW
KP2A	W8LGJ	ND0N		KB0EO
N5ZM	W9EWZ	OK1CZ	181	W5LT
RA9CMO		SM2OAN	K1GG	WA3C
RZ4FO		US0KW	K8NVR	

176 CT1FMX DJ9ON DK2LO EU1AB I6FLD JA0DET JA6BJV JE2URF K7BG K8MN LA9AJA RA3S W4BP W4GD W7BEM	172 G3NKC IT9ELD JA0GJJ JA3FGJ K0JGH KA9FOX KJ0M W1RM W4FQT	JE7JDL K1NU K5QY K6FG K8RYU KR4F N7RO N8BJQ SP5GH W4SVO W6VX WA5YNB XE2X	165 AA9D DL7UCX EA6ET IZ8VYU JA9TWN K3AJ K5JZ K6ZZ K9YC KK4CB SM4CTT UY1HY W5BN	UR4CWQ VE3CFK W0HT W1LW
175 JA1CHN JS3CTQ K4DLI LA7GIA/P NE1B SM5FUG SM6DHU W7FI	171 DL6KR G0EHO IZ5MOQ JA6HUG JR1TNE K0DEQ K2FL K4XR K9NU N4OGW SM7GIB W7MEM W8UV WB7B	167 DK5AD EA5RM G0OIL HK3W K2KA K4CN K4XD K5GKC K6KO N0IJ N0RN N1RR RA1AOB RN9N S51EC W1YM W1YW W8OI WA4LOX	164 CT1EAV G0BLB HA7UW HB9BZA IK3SWB JA9LJS JN7FAH K1BD K4ZYU LA5LJA LA7AFA N3OC SV1LK W4NS W8HC	161 4O3A DK2GZ DL6RAI JA1DOF JA1PPW JA7MOL JH2SON JH4CPC K7NN K8ND K9MBQ N4XU N7XR OH6RA W0TT WC5N YU2TW ZS5LB*
174 JA2XW JA5IU JF7DZA JK1OPL JR6PGB K2PLF* K3PA K4TR K7GM K8RRT OE1WHC RN7F UA3LNM W1NT WT8C	170 DJ6TK HA5WA I1JQJ JA0EOK JA6JPS JM1GYQ K1NTR NK1K OK1DWC SP3GTS SV3KH US8UA W9EVI	166 4Z1UF CT1IUA DJ4SO DK3WW IV3TDM IZ8FWN JA0VSH JA1ADT JA1FNA K3KY K4JLD K4PB K8NK KB8VAO LA4GHA N7IR SP1MGM W1RR W8ILC WA0MHJ WA8TXT	163 IK0PEA IW0SAF K8TL N4QQ N9RC PA3C RA3ZH W0DJC W7AL YL2TW ZS1LS	160 CT3MD DL1DA I2ZGC JA2EPW JE2OVG JL1SAM JR7MAZ K3MSB LB6KC N3BNA RU6L UA0FZ UX5UO W1BR W5XC W8WEJ
173 5B4ALJ F4BKV K4WS KA1J N5FG N5OK VE3FF W2OR W3YQ W6NWS WE9R	169 DM3VL F6EXV HA9PP JA2BDR JG3IWL K1LI N4XX N7US UY5AA W9OO WA3AFS		162 4Z5CX 9A4W CU2DX F3AT IK4PLW JA6GIJ JA7ZP K1KI K1NJ N5WA N8MR	159 4Z5MU AD5Q GU4YOX K4RO W6BJH W7SX WD5BJT WX0B
	168 G3MXJ			158 DJ4PT DL1FKA JA1XEC

JF1WPB	NW7E	WX0V	YO3DDZ	IZ4DPV
JI1FXS	W3GQ	YS1RR		JA3GN
JR1GJP	W8KEN		148	JE3GRQ
K5TT	W9RN	151	AC6DD	KI5BLU
KL0S	WP4U	3V8SF	F5CQ	N1IX
RM3DA	ZS6EZ	AJ9C	N2WB	N3KK
RU6M		DK2OY	SM6CUK	N4GG
SM4EMO	154	EA5BY	SM6VR	NI0C
W1OX	DF2GH	HL2CFY	UA2FF	OH2BLD
	EU1KY	JA6BEE	W4DKS	OZ1HX
157	GM3PPE	JA9NLE	W5FIX*	SM3DTR
AA4H	JA1RTX	K2FW	W5FKX	SM4OLL
HB9DHK	JA2LCP	K7SP		SM5CLE
JA0UUA	JA8NFV	OH2IS	147	W1VT
JA1GHH	K0KVR	OK1ATP	DL4MM	W6RW
JA4FKX	K0TT	RD3A	JA1XQC	WC5M
JE2LPC	K1USA	RU3A	K2AX	WD5T
JJ1NJC	K2LS	S54A	K4RG	WS5W
LB2TB	PA7F	SP7AWG	KM1H	YO3CD
LY5A	W1NA	SV9AHZ	N9CO	
N9FN	W2XI	W7RH	SP6EQZ	143
NE9Z	W5DNT	WA1Z	UN7LZ	DL6EN
RA3DNC		WB8BPU	W2KKZ	HS0ZEE
RU4UR	153		W7CT	JH1NYM
SM3PHM	DL3ZA	150	WB3JFS	JN1BMX
SV8ZS	G3TJW	F3SG	WW3S	K0QC
W2TA	JF1IRW	F6HDH		K3TN
W5GZ	JF2XGF	IV3RAV	146	K3VAT
W7TVF*	JH6QFJ	JA2NQG	IV3VBM	K7CMZ
W7YAQ	K8VFF	JH1RFR	JA1HQG	K7CW
WD8JJA	N5TW	JR7BDQ	JA4DHN	K7HP
	N8II	K4WA	JH1GNU	N5UW
156	PE1L	K7LV	JR9OPJ	PY5EW
EA3WD	SM6CLU	K8AJS	K5SM	R8TX
IW2FND	SP5CCC	KU4XO	K7WP	UN9L
JA2ZL	UT5UY	N3QE	N3RC	VE3CV
JE2LUN	WJ4T	OE8SPW	R9OK	VK3HJ
JF2UPM		OZ3SK	RU0SN	W1SKU
JH7IAJ	152	UA6YW	VE6WQ	WA2BCK
JO7HAM	DJ9HX	W2XL	W1IZL	WB8ZRV
K8YSE	DM5EE	W6DAO		WD9DZV
KS1J	EC3A	WS7L	145	
N4GN	JA3ENN		G4GIR	142
TF3SG	JA9APS	149	JJ3HGJ	AF4HX
UA3SAQ	JT1CO	DL7CX	K4OY	EA7TV
VA3LX	KS3F	IK2EGL	K5KV	G4FTC
W1YIF	N4TV	IK4FNF	K8BL	I5HOR
W4QN	N9OY	JL1ARF	KF6HI	JH1QDB
W4TV	RL3FA	K4YYL	RT0F	JH1TWT
	S55ZZ	K8ME	W1ZT	JH2QMT
155	UA6IGI	N4HB		K1OA
DL1RK	UT5AB	N5JB	144	K4WZ
G3TQZ	VE6LB	NY0V	EI6FR	K8UT
IK0FUX	W2RS	RW3RN	EI6IZ	NA4D
JA6VQA	W6RLL	UW7UA	GM3ITN	OK1DO
K9GA	W7AJ	W0GG	HB9BYQ	W2OO
NR4M	WB3CQM	WB8B	IZ3ENH	W6QUV

W7ZI
WA5POK

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DL4SZB
DL5MHQ
EW1BA
IK4ADE
K2RW
K5TR
N1IBM
N7QT
NQ7R
NY2NY
RN3OG
W1AX
W3BW
ZS1C

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DF2RG
DL5KUA
F5LVL
K3PP
K5WK
N2WM
N9MB
OK2ZV
ON7DR
W0SEI
W7IV
W8LWU
W8RLS
YL2MU

139

9A1CAL
AB9V
DJ4XA
DL5EBE
DL8OH
IZ8IEV
K3ANS
K6AM
K6KLY
K8RF
KJ9C
KU0A
LA8WG
N7BT
OK2QA
SV8ZC
W9XQ
WA8WV

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DK8YY

EI9FBB
EW2A
F6DDR
HB0CC
HI3T
IK8EPC
JA1SVP
K1RO
K6NR
N1CGP
RW4CY
W1GD
W2YE
W3IP
W4VIC
W4YV
W7HPW
W7OM

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DL1DUO
JA2ATE
JA3APU
JE6TSP
K0BBC
K1KA
K2QMF
N2PK
N2RJ
N4XP
OK1MP
RA3CO
RG7G
UU1JA
W1ITU
W5LUA
W5ODD
WB5JID

136

DL5CW
EU4A
IK8CNT
JA1PTJ
JE2DZC
K0TV
KR6C
LA6OP
N5XZ
NE3F
OK1DW
SM5OJH
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EA8JF
F6FXU
GM3YOR
IT9GSF
IV3DXW
JA1TMG
JA7LMZ
JA8BNP
JA8JL
K7FL
N4PY
NZ9R
RN3RQ
SM5CZK
W1DIG
W2CG
W2GD
W3JX
W4BUW
W4MBD
W4RFZ
W5VQ
W5ZG
W6JTI
W8VVG
WE1P

134

DK1WB
IK4DCS
JA9RRH
JR3OEH
K1TO
K9MK
KR2Q
N1EN
N7WS
N9RS
RG6G
UA0ACG
UY0ZG
W2OIB
W4JKC
WB8CQV
YU1AM

133

CX6VM
EU1U
JA7GLB
K1ZN
K2CDJ

K3OX
K8GI
K8ROX
KS4YT
KU2A
KX4TT
OE1KM
RV4LC
UQ2PZ
VE3WT
W0NFL
W2QO
W5ADD
W8HW

132

AA4NC
F5PAC
IT9BLB
IT9RDG
JA2VQF
JA3DY*
JA6CBG
K6YUI
KE9ET
N6HY
ON4CAS
OZ2RH
SM4BZH
SM6BGG
VE3CRG
W4AXL
W4RBO
W4WM
W5SL
W7CD
W9FR
W9JJB
XE2S
YV2IF

131

AD6W
E72U
HB9IQB
I5MXX
IV3KFB
JA2TBS
JJ1TEA
KD0PO
KH2L
N4QWZ
N5PHT
NA5DX
OE6VIE
ON4ON
R0SR

R9MJ
R9SA
W0SD
W7JY
W8DCH
WB7QXU
WP4G

130

DF9ZW
DK7YY
E73M
HB9SLO
HK0HEU
JA2FBC
JA7LGE
JF3LOP
JR7WFC
K1ZE
K2MYR
K7LFY
K7XB
K8BCK
K8NS
N8OC
NO9E
R3VA
R5QA
R9AB
RU1AO
SM5CBM
SP3XR
UN7JX
VE3DO
W1OP
W2MPK
W9ZT
WO2T

129

CT3HF
HB9FMN
JA1NWD
JA8JO
K5VIP
K6XM
N0YY
N3KS
N3RR
NJ3K
OE1TKW
SM3BCS*
W1EQ
W7QHE

128

AA7G

EI2JD	126	HK1MW	JE1FQV	SM0BYD
ER0FEO	AB9M	JA4IYL	JH1HHC	SP7ITB
G3UHU	CU3EQ	J11DHY	K1YT	W1AO
JA2KSP	DJ8WD	JM1FHL	K2MP	W4PRO
JA2KVD	F8BPN	K2RET	K7ZA	W6RFL
JA4OK	G4IUF	KD4POJ	K8BKM	W7RN
JA9AA	HS1NGR	KI4WCQ	KR0P	W8GNM
JE1LFX	K2ZD	N2ZN	LA8PT	WA1PMA
K0FF	K4XU	NA4EA	N4DWK	ZL4AS
K3XA	K9ZM	NX8Y	NN7X	
K4JAF	KC2LSD	RC9F	OZ3Y	119
K4SE	KF8DX	SP6A	RD4A	9A1AD
K6LPO	OK3CQD	UA0BA	UT5EL	AA3AZ
N5KM	PA5TT	VE1DUN	UU4JMG	DK3GG
N5MOA	PY5HOT	W2RIJ	W5DAW	DK3UA
OZ2ABI	VE3CX	W3FM	W8NJR	EW4M
R9SG	W5AJ	W6CYX	W9ILY	HB9AAQ
S53X	W8REW	YO2RR	XE1H	HB9BCI
SM3GQP	WD4LBR		XE1KK	I2TZK
SM3LGO	YU1EXY	123		I4MKN
SV1CNS		AC4TO	121	JA3AZD
SV3DCX	125	DL7JRD	AA6RR	JA4XGC
UW8SM	G7VJR	HB0WR	DF1DB	JH6CDI
VQ9LA	GW3TMP	IK3XJP	DK1EI	K2HK
W2WC	IZ4GWE	JA0CRG	DK6CQ	K4JKB
W4IS	JA3OOK	JA3MHA	DS1JFY	K5UZ
W6DR	JA6VU	JR1EBE	F4GTB	K8KWT
W6RKC	JA7KY	K2PK	IT9DSZ	KA6BIM
W7AH	JE1TSD	K4ZIN	JA6WJL	N1JP
W8MET	JE6UWU	K5GH	KD8RQE	N4UFP
ZS6UT	J14POR	K5VWW	N6PSE	N8PW
	K1HAP	K8DV	RA5BM	N9UA
127	K5KG	K9CS	UQ1GWW	NN2L
AA4SC	KG7CW	KM3V	UT4EO	NT2A
JA1DDH	KJ6P	KM4NS	UU2JQ	NY7T
JA1WLO	LZ1XL	KV4T	VA3AYA	OH5NG
JA2AHH	N2KA	N2ED	VE6SV	OK1DT
JA8RJE	N3EN	N3MK	W2GG	SV1ACK
JS2LHI	N4JT	N6MZ	W6XI	SV1IW
K0RW	N9MR	N9JV	WB8K	W4HZ
K3NK	ND5S	NA2P	XE1VIC	W5QP*
KM4H	NW6S	NN4R		XE1RCS
LA0FA	OE1AZS	UA3DK	120	
N1AC	OZ1IKY	UT3QU	9A5F	118
N1GC	PY5EG	VE7BV	DF7EE	5T5PA
OE8HIK	RA0BA	WB2REM	FG5FR	AE3T
S55DX	UU7JM		HB9BLQ	DL5OCE
SK7AX	VE3UTT	122	IZ0LKV	JA1SJV
SP7ASZ	W3BG	AA6AA	IZ5NFD	JA4FHE
SV5DKL	W9CG	CU2AP	IZ7EVZ	J18DGO
V51B	WA9PIE	EA3GP	K2BA	K4CNW
W0CP	WB3D	G3NDC	K3QIA	K4TT
W0RT		G4WFAQ	KA8ZPE	K8LN
W0YVA	124	G5LP	N4BAF	KD6UO
W3MF	AA7XT	HB9HFN	N4TB	KG9Z
	E70T	HK4SAN	OE3EVA	LA9VFA
	HB9TKS	JA1MRM	PZ5RA	LZ2HM

N2MM	116	PA3AXU	JN1RQV	N4TL
N3UA	DL6MRS	RZ6MJ	JR6LLN	N4ZY*
N6HC	DL7URH	SV2AEL	K3MD	N6MA
NA9RB	EA5BRE	UA1ANA	KH6DX	N6RK
PA0TCA	HA7PF	UA1CGS	KI0G	NA3F
PY2PA	HB9AZZ	UA6XT	N1QY	RU4SU
RN3TT	IK0EIE	UN6T	N3NR	SM3DMP
TA2RC	IT9TQH	W9AJ	N4DJ	SP6JIU
W1KSZ	IV3HYD	W9XX	N7KO	SV9COL
W2YR	JA1WTI	WA3I	NI5F	UA1ACG
W4NJ	JE3ENP	YL2CZ	OH6NIO	US1CT
WB0TEV	JG0CQK	114	R7NA	UT6UD
WT4Q	JH4JNG	AB1OC	RA4UN	VE3KI
WY1G	JJ1DWT	AB2E	RZ3AUL	W1HEO
YO4AUL	K1DC	BA4DW	SM5ARL	W2CVW
117	K1ESE	CT3FN	SP3EPG	W4VHF
9Y4VU	K4ZO	DL6NB	SV1JFV	W5VX
AE0P	K6SIK	F6CWA	SV2AVP	W6TC
BH4IGO	K7EG	G3SDL	UN7TW	W8HMK
DL1DWT	KT1V	G8DX	UT8MM	W9SE
G3LAS*	N0OK	HP3TA	W0VX	WA8OLN
HA1RB	N2BJ	IT9DAA	W2GW	ZP6CW
HB9DHG	NA2U	JF2WXS	W6BK	111
I0JBL	PA0JSE	JH6WMJ	W8FAX	AF4OX
IK5DNF	RV3ID	K1RV	W9VNE	CT3KN
IZ8DFO	SV3FUO	K2DC	WA1FCN	DK2WH
JA1HQT	VA7CRZ	K3OSX	WA4DOU	DK6ED
JA4FM	W1ENE	K5RJ	WB2HJV	DL5CL
JA7GYP	W1WEF	K6EME	WS4C	EV1R
JA7IC	W7GG	KB8U	ZL1BYZ	G3PLP
JM3GXU	W7OEV	KZ4V	112	G4DBN
K3WGR	W8LRO	N2JJ	A92IO	IK2CHZ
K5JC	WA2USA	N3MN	BA4RF	JA1AUD
K6PJ	WQ5L	NU8Z	DJ1RL	JA1FGB
K7UT	115	SP3FAR	EW1DO	JA1NCZ
K8OOK	AJ4F	UA3FT	G3XGC	JA5XAE
K8QM	C6AGU	VK4CAG	HB9CRV	JE8TGI
LB7ZG	CT1GFK	W2/CT1GIF	HB9G	JH1RFM
N3ND	CU2CE	W4TUN	HK3PJ	K0TPP
N4IR	DL9GOA	WA9YYY	I5OYY	K7ORK
N6MB	HA5UK	WE4S	IK0IOL	K9AJ
N8AA	JH4ALY	XE3ARV	IZ4DIW	K9GWH
N8NA	JI1DCW	113	JA1SXR	KM1R
N8XI	K0SD	9A1A	JA7BXS	KV1J
NY4G	K4CMS	DJ5DT	JR7TEQ	KZ0X
S51NM	K4GHS	DJ9RR	K0CA	LA0CX
SM7BIC	K4GK	DL8CM	K0JPL	N4WJ
SP2BMX	K5XM	DL8DYL	K1KO	SP8HKT
UA6J	K8YTO	EA5KA	K4UAS	UN7JID
UB3A	K9SG	EI9JF	K8CC	UR6QA
W0IZ	KO8SCA	G4AFJ	K8SL	UT1UY
W2JU	N0IRM	JA4ITW	KI4DLS	VE6KC
W4DAO	N0KV	JA5WIZ	KM1C	VE7CT
W4ZRZ	N4OA	JH4GJR	KT1J	VE7UF
W6SL	N8KOL	JL1RUC	LA8HGA	W0QQ
WB00	OZ8X		LZ2ZG	W2TB

W3MR	G8BCG	LU2DKT	OK3CQR	SP6AXW
W3RJW	HC1BI	N1BZ	PC3T	UR3CRO
W4HOG	JA1XCZ	N2CG	R0FA	UT7UU
W4NU	JA2CXF	N4IQ	RN4AA	UU5WW
W4OX	JA5FDJ	N6RFM	SP3BQD	V73AZ
W5AQ	K1RI	NY4I	UR9IDX	VE3YF
W7VS	K2ONP	PA0ZH	US5CB	VQ9SS
W8MIL	K4RDU	R5FY	W3KB	VU2CPL
W9RB	K5KA	R7LA	W6TDX	W1CWU
WA2MUA	K6MW	RX6DX	W9CPV	W2GPS
WB9EEE	KC2STA	S57J	WN0L	W2LE
YL3DQ	KE1F	SM6AOU	WS1L	W4IR
YO6HOY	KL7RA	SV1AHX	YL1XZ	W5JAY
	N9HF	US0YA		W8OP
110	NA5C	UX7UN	106	WA4MYO
AJ4A	NN4RR	UZ6LWZ	AA4FL	WT9U
DL1VDL	NU4I	VE6AX	AE2U	WW1WW
EA5BYP	R7LP	W2UB	DJ6OZ	XE1RBV
EI2GLB	RW4UU	W4ZYT	DL2NOM	YL2GN
F5BAR	RX3AGD	W7ACD	DL3JSW	YU3EF
G3LNS	TG9NX	W9NIO*	DL6CNG	
I2BBJ	UB5ZAL	WA2ALY	EA1JO	105
IK5RUN	UT7KF	WA8MOA	EA3CCN	DF8AA
JA9KRO	W0VHF	WC1M	EI8IU	DJ3XD
JH1VHU	W5WP	WD9EQU	G4RGK	DJ6KH
JR6FC	YV3AGT	XE1FAS	HA8DZ	DL4ZAB
K1EO			IK8GYS	DL6XK
K3JRR	108	107	J68HZ	DO1CTL
K6VKO	AA4DD	4Z5LA	JA1VLK	G3YUV
KA4RRU	AC9EM	DK3FB	JE6IGP	HA8FW
N3HBX	AI2Q	DL2CHN	JG3HBO	IU0LFQ
N3IQ	AL7R	DL5XU	JH2KKW	JA1BWA
N3JB	CU3AN	EA5AT	JH4HMG	JA1TAA
N4KE	DF1KG	G4AKY	JJ0NCC	JA2MNB
N6PE	DG7RO	I5IHE	JR0EQQ	JA6VA
N7BD	ER1LW	IT9XTP	K0DEW	JA7BME
NA1DX	G3SVD	JA0GCI	K1PX	JA8RRF
NC6K	HB9BAT	JA5EY	K3TRM	JE2UFF
RD9M	HL3GOB	JA8JTH	K3WC	JG3LGD
SM5BHW	IK0PRG	JA9AGN	K4DSE	JH3CUL
TA1CM	IZ0BTV	JK1AJX	K5AM	K2XF
US7MM	JA2HYD	K2MK	K5WAF	K7OX
W0UY	JA2MOG	K3SW	K5ZQ	K7PO
W4DC	JE2EHP	K3YBN	K7PI	K9RO
W4GE	JR7FRW	K5KPE	K8JJC	KA8SYV
W4NE	K1BZ	KE2R	KQ3F	KI5T
W5ZPA	K1UU	KV4AA	N0JZ	KT2E
YO9FNP	K1XM	N2RR	N2CW	LZ1JZ
YU7AU	K2KQ	N3DAP	N7NR	N2WLG
ZL3NW	K4WW	N4RF	N8AID	N4JI
	K4WY	N8AGU	ND4V	N4NW
109	K6FW	NA5Q	NI5M	N4SC
AA4U	K6UT	NG0G	OE5CSP	N4VN
BA7IO	K7TM	NK5B	OK1AYU	ON7PQ
DL2VWR	K8OM	OE1CP	OK2BVG	PF7M
EA3GHZ	KK1W	OE3SGU	RU3DX	PJ2/K8ND
F8EZE	KN4JX	OK2BUZ	S57AL	PY5CC

R6YY	N8MZ	G4VGO	102	RU3UN
RA6AF	NJ9C	IK2ANI	A6/RV6LNA	T77V
RD4WM	NN3Q	JA2GQO	CT4BD	UA1AIR
UA6LCN	NU4Y	JA8EJO	DK3QM	UA1CKC
UR1RWX	RA1QX	JH1DGQ	DK5RL	UA6HOF
UR2RGN	RU3UR	JM2RUV	DL3DXX	UA9MR
VE1PZ	RZ6DX	K1EP	DL3NCR	UA9UCO
VY2ZM	RZ6LB	K2CJ	DL4KUG	UW7CN
W2SKI	SM5CCE	K2UVV	EI4DQ	VE2FYR
W3NRJ	SM7CQY	K4LQ	F6BWO	VE3EDY
W4OWY	SO5AS	K5JUC	FM5WD	VR2MY
W5JMW	SQ5EBM	K8CCV	HB9AHL	W0RX
W6FF	UA3O	K9MUG	IK0DWN	W1PV
W8LMG	UA9FGJ	K9XJ	IK7YZG	W2EQ
WB2UFF	US5CAO	KB2FCV	IT9SFT	W2LW
WQ5W	UT7EC	KE1IU	IU8FRE	W2TX
YU1NR	UX4UM	KJ4R	IZ4MJP	W3EKT
	UY0MM	KJ7WY	JA0HXV	W4JVN
104	VE3VHB	LX1DA	JA1SDV	W5THT
9M2AX	W0YBS	N0RU	JA2OLJ	W5TO
AD1C	W1QA	N4LR	JH4ADK	W7IUV
AH0U	W3DRY	N9BBQ	JK1MZT	WA0IDK
CP8HD	W3FOX	N9SF	JR2UBS	WA8MCD
DK3BK	W3TMZ	N9TF	JR3UIC	WD8DSB
DL1QQ	W5CWQ	NE0DX	K0YN	WS4Y
DL4FAP	W5GJ	OH3GD	K1PTF	YO2IS
DL7UPN	W5ZO	OK1DQT	K2LP	ZS1A
DO4DXA	W6PH	OK2BQU	K2TK	
E73D	W7DR	OK3BRK	K3KG	101
EA8ZS	W8FIB	OZ7JZ	K4AQQ	AA4NU
F6AJA	W8KA	R9GM	K4LM*	AB4GE
F8GB	WA6TLA	RA0FA	K4VIG	AC5O
G3BRD	WA9ETW	RA4HT	K5GO	AC9S
G4XEE	WL7E	RK3QY	K5ZO	CT1JGA
HB9CIP	XE2YWH	RU3OW	K6MI	CU3AK
HK3O	YC0LOW	SM3CBR	K7BHM	D44BC
JA2FGL	YO5ODE	SM6EHY	K7BTW	DH2FW
JF1EGO		SM7BHH	K7UA	DK9WI
JF6WTY	103	SV1FKZ	K8BHZ	DL1KS
JO1WXO	AG1I	UA3PFN	K8OQL*	DL3ANK
K0WK	AI3Q	US2WU	KG8CW	DL5JS
K1BG	AL7TC	VA2ZO	KY6R	DL5RDI
K2BB	CX3CE	VA3IC	LA3ANA	DM3ML
K2BLA	DF2PI	VE3MFA	N2SQW	EA1WX
K3PH	DJ1MM	W0UVC	N3TR	ES5RW
K4KEW	DJ7PI	W1CTN	N5RZ	EU1TT
K4MF	DJ8ES	W3XY	NA5Z	G3ZFC
K5CD	DL2HX	W4AVY	NS3L	G4DJJ
K6UM	DL8YRM	W4MZ	OH2EA	G4FJK
K7TJR	DM5TI	W4TMR*	OK1DTN	GM3WTA
KA2BZS	EA3CJ	W5VU	OK1JDX	HB9NL
KH6KG/W5	EA7SG	W6SZN	OK3CSQ	IK2OHG
KW0A	EU6MM	WA2BOT	ON5UE	IV3GOW
LB5WB	EW3LB	WA7BNG	PA7TWO	IZ7JVR
N3ER	G3BDQ	WB4TDH	PY2DO	JA1VVX
N4MEC	G4AAW	YO7APA	R3IS	JA6TMU
N4TTE	G4PUQ		R6FFB	JH3HGH

JH3PRR	UT1CC	JA8OW	PA0INA
JI3KDH	UT4IS	JA9CGW	PA7RA
JR1XIS	UT7HA	JH3GCN	R3PJN
K0LW	VE2OJ	K0FLY	RA3SD
K1YR	VE3XB	K1NA	RA4LW
K3SEW	W2SF	K1NZ	RA6XB
K5FZ	W3HKK	K2BX	RL3BZ
K6AAW	W3WH	K2CBI	RN1A
K6XJ	W4BUE	K2CYE	RT5A
K7AR	W4WT	K3TZV	RU3GF
K7IA	W7AV	K4FT	RW9QA
K8BN	W7CB	K4KAY	RX9JX
K9PG	W7QC	K4KSY	S53MJ
KE4S	W8GB	K4UQC	SM5AHK*
KN6J	W8VK	K5AV	SV1VJ
KQ1F	W8ZR	K7VIC	UA4PAY
KQ4AV	W9MAF	K8BZ	UA6CEY
LA2GV	WB3HLH	K8CR	UN1L
LZ2XF	WC6DX	K8CS	UN6P
N2AJ	WK9U	K8LE	UR4CW
N3XM	WR2G	K9EA	UR4LRG
N5AQ	YO6BHN	K9GL	UR8DX
N6EE	YV4DYJ	K9NZ	US8UW
N6NU		KB0EL	UT4EK
N6WM	100	KC0V	UW7LL
N8AG	9M6YBG	KC4D	VE1RGB
N8NN	A41ZZ	KC5LT	VE3OAT
N9LQ	AA4AK	KD2T	VE7JKZ
NX2X	AB4VV	KD8BZY	VP2VA
NZ9Z	AC4VM	KJ6NZ	VR2PX
OA4TT	A12S	KM8AM	W0GYH
OE3WQB	DJ6OI	KN4KL	W0MU
OH1ZK	DL1HRN	KP4N	W1AN
OH3TY	DL1TPY	LA8W	W1LY
OK1PGF	DL9GTB	LU5OM	W1MRH
OK2BOB	DU7ET	LU5YF	W1YRC
OK3EY	EA1AF	LZ3YY	W2NO
OK4MM	EA2AAZ	MM0SJH	W3BBO
ON4LG	EA3ALD	N0AH	W4ALF
OZ4AAL	EA7QW	N1MD	W4HHN
RA3AH	EA8AXT	N2XQM	W4NF
RA4P	EC5A	N3AF	W4OV
RA4SD	ES5NC	N4CRI	W4UCK
RB7GG	FM5GU	N6PAT	W5VY
RK9F	G3OIL	N7TK	W7DT
RV6ARZ	G3VAO	N8IL	W8CNL
RY6M	G4CGG	N9ADG	W8FN
S50B	GM3ZSP	NG7A	W8GDQ
SM2DMU	I2VGW	NJ3I	W8IW
SM7NDX	IK2SGB	OE5JDL	W9YE
SP6M	IK4MSV	OK1DXD	W9ZCL
SP9DH	IS0/YO3RA	OK2PAZ	WB5TUF
SV1PL	IW3GJF	ON7EH	WK4Y*
UA0FDX	JA1BRK	ON7GB	YL2SM
UA4PCM	JA1CPU	ON9CC	YO9FLD
UG6GAW	JA4FSH	OZ1LCG	ZP9MCE
UR7CQ	JA5DQH	OZ1ZD	