

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 27 Jun 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	328 R4GM UA4CC	317 W3LPL	RA7A RZ3AM SP2FAX	304 CT1EEB DJ0MDR SM3GSK	N1BUG OE1WEU SV1FJA UX1UA W7UT
341 EA8AK	325 K9UWA UA2FF	316 W2VO	310 I4AVG RA3CQ SM5BFJ SM6CVX	303 F5LGE GM0GAV JA1BK JA4LKB K1UO RU3DX YU1FW	298 9A2AJ DF2UU IK2DFZ OE6IMD OZ3PZ SM5CEU
340 K1ZM	324 K2TQC K4PI OH2BO S50A W1NG	315 IK4WMA K5RK N1DG OH3SR S50U W1JR	309 W5IZ		
339 W4DR W4ZV			308 I4EWH IK4MGP IV3PRK K4SV K8GG UT3UA	302 DL4MCF GM3YTS	297 DK5PR JA2JPA N4CC OM2XW RA3DX W0FLS
335 OH2BU	323 EY8MM SP5EWY	314 IK4GME NX4D OK3GU OZ1LO PE5T RW2A UA4CR	307 DJ7MI N4RJ OH5VT VE3EJ	301 DL9KR F6BKI LZ2JE N1RJ N3XX SP3EPK SV8JE	
334 N4WW	322 UX0UN W3UR				296 DF3GY F5NTV G4PWA ON5NT RY9C W1JZ
332 UR0MC	321 WB9Z	313 GM3POI OE3GCU OG2M OZ7YY	306 EA6SX K4CIA SM0AJU WT3Q	300 G0JHC G3KMA I2ZFD JA4LXY PA3FQA SM3EVR VA3EF	
331 K5UR LZ2DF	320 K8MFO SM4HCM W8UVZ	312 OH1MA S54E			295 K3UA SV8CS
330 AA1K HA0DU OH1XX UT7QF	319 N0XA SM4CAN	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I	305 JA7NI K4ZW N4IS NN4T UA6A		294 DL1AMQ JH2FXK LA5HE RJ3AA
329 K3UL UA4HBW	318 4X4DK UT5UGR W9ZR			299 JA4DND K4TEA	

WD5COV	G3XTT	S59Z	274	RZ3DX	259
293	N2QT	W4TO	G3TXF		DF4PL
N0TB	RK4FD		K1ZZ	266	F6GCP
S58T	VA3DX	280	KF2O	G4OBK	G3ZSS
	W4PK	EA6NB	W6UB	NR1R	I1FQH
292	286	SP6HEQ	273	R3LA	R9FM
G4BWP	DJ2YA	YO3APJ	IK8HJC	W8TE	
JH4UYB	IK1GPG		JA8ISU	W8XD	258
JR2KDN	K3SX	279	K2CL		KW9A
OZ1BTE	N3SL	IK4DRY	K5BG	265	N2NL
SM5AQD	PA0WRS	JR7VHZ	MD0CCE	AA4V	N5KD
SP3IBS	UA3AB	N2TK	RA3DA	AA6YQ	RN3CT
SV1AOZ	UT7UW	N5DG	SM6CCO	AA7A	VE3QAA
W3YX	W8AV	SM6CNN	UA3DPM	K4XP	
W8TOP		SP5CJQ	UX1AA	RW0LT	257
	285	UA6MF		SV8BHN	K1GUN
291	G4CCZ	278	272	YO5BRZ	N8TR
9A7V	HB9BGV	DK0EE	9A2EU		W9YSX
IZ0AEG	UR5WA	F6BEE	CT1EKY	264	
KD9SV		IK6DLK	DL1DUL	EI7BA	256
R7NW	284	JA3FYC	DL2OE	IK2YCW	9A5CY
SM3NRY	K5XI	K5DU	OH1LEU	K7ZV	JA5BZL
SM6CMU	SP3DV	KG4W	SP6CIK	W1GL	JH1GZE
SP3E		RU3FM			K1QX
UA3LAR	283		271	263	K5VRX
UT7UJ	DL7VEE	277	EU7A	IZ1ANU	K8FL
W5ZN	JA5EXW	AA4MM	G4GED	K9OW	PA7MM
	JH4IFF	DJ9VA	OZ1CTK	KX4R	W1TSP
290	K4SO	F6AOJ	SM5KNV	LA5IIA	W3DF
UA3AKO	N7NR	HB9AMO		N3NT	
	NA0Y	IK5BAF	270	W2SM	255
289	NO3M	ON7TK	AA1V	W3AP	IV3ODE
I5NPH	R3OK	SP9DWT	JA5AUC		K4QL
JA3ONB	SM6DHF		OE5KE	262	KY7M
K0KX		276		G0DQS	N2MF
K4WM	282	DK5WL	269	IK5HHA	R5AJ
N8DX	DL1YD	G3LZQ	K6ND	KR9U	UX0FF
RX4HZ	I0WDX	N8RR	KD5M	W1YY	VK4MA
US4EX	K8KS	N9IW	LA3MHA		W3KX
	K9CT	OK1AWZ	RV3LO	261	W5OZI
288	N2LT	VE2TZT	W1ZC	9A4T	
PA3GCV	NJ6P			DL9YX	254
SL0ZG	SM6CTQ	275	268	K2EK	N0AT
SP7VC	UY5ZZ	9A1CCY	DL5DSM	K5KC	OM3DX
UA4LY	W0BV	F5NBU	G3WPH	N6SS	WA4FFW
US5WE	W2YC	I2AOX	K8PT	NO8D	
W0JX		IK4CIE	RA3XDX	SP1S	253
WK3N	281	K2UO	SP9JZU	SP5DIR	5B4AGN
	DF2PY	K4IQJ	W1MK		AA1QD
287	HB9BIN	OH3BU		260	K5ESW
CT1APE	JA2PJC	SP6AEG	267	EA5BM	S58Q
DL1RWN	K1CP	UW2ZM	LU8DPM	K1LT	UA1OMS
				K4DY	W0YG

252 EA1DR IV3YYK JA2VPO JF2MBF JG3QZN JQ3DUE ON4AOI PA4VHF R5DT S52F W3UM	246 DJ2TI F2JD JF8QNF N6TR TF4M W2TQC W5XZ 245 DL4CF JA1GV K2FF N9US RL9F RY7G W9XY 244 AG9S DK6WL F6BLP IK0XBX JA1HGY JA7QVI ON4IQ 243 DK2JX DK3DG IK0MHR ON4ATW S57A W9RPM WX4G 242 EA4KD KG7H SV8CKM 241 JA0CRI JA1SYY JA3EMU K5ZK N4XM N5TY* N7RT OE2LCM OK1DWJ SP5GRM UA3TT	VE1YX VE3NH 240 EA6ET G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA 239 JR3GWZ K0KT K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK 238 DL8WN IK0XEZ JA0DAI RA0FF VO1HP W3LL 237 DL7MAE NI0G OM4EX UR5EDX 236 AB4I AC4G K1JO K9NR K9ZO KC7V OK2ZI OZ4O SP8AJK	235 CX6VM EA6VQ JH4ADV K3SWZ K5EK N6DX OK1CF R7DX VE3XN WA7NS 234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR PY1BVY S51DI 233 K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO WA7NB 232 DJ5FI EA1N FK8CP JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP 231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	230 DF6PB JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ 229 CT1FJK DJ4AX JA8FKO JI1BEX OE5NNN RO7T 228 AF9H AI0O E72A K4HB N2WK OH2BEN UW5ZM VE3DZ 227 DL7HU ES1RA IK0HBN IK6FWJ JA1UQP JA2NDQ JA9CHI K1FK K3NW W9BF WB6RSE 226 I3BUI JA6BZI JF2KOZ JR6EZE K9FD* N6JV ON4GG US0SY UT5JAJ VE6WZ W0VTT	225 A45XR IW1ARB JH7PFD K1MM K5AB K9FD/KH6* N4CH RA3QK RV1CC RW3XZ SP3CGK SP8NR VA5DX W7KW 224 DL5WW IZ1LBG MM0EAX N0AV N8BM* SP5INQ SP7GAQ VK6VZ W2RQ 223 AB0X DJ8NK HA7TM JH2TPI RT6T SV2JAO ZS4TX 222 IV3JVJ K3SV K6EID K8FH K8ZTT N5AW N5JR N8PR N9BX SM0CCM 221 JA2WYN K4MWB K8SIX N6VR
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W1ZK W6JRY WS6X	RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	UY0ZG W0DD W1NT W2IRT W3GG
220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN VE3EXY	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 EA1RT IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	206 IK0IOL JA3PIS K2VV K3LR K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW	202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC JI2KXK K2NV K9YY LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR WA2HZO ZL3IX	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO KB8VAO N4DW W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP JF3KON KV7K LA7GIA LB8DC OE8RT RA3WDK SP4K UT7UV WA2UUK	214 DL7BA HL3IUA IZ8VYU JA2JW K4NA OK1DX RN7G W4NL	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA W8UN WB8ZRL		198 DL1ROJ G3UJE G4BUE IT9JNR RX3APM W8HB
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA LA7JO NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP N4QS W0MHK W5TCX	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS
217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I KG6I N1ZZ	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ	203 JA2XYO JE1PNX	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US LA5YJ RW4NN RW7M	196 4Z4DX AA4HP IK4PLW JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO RZ4FO W2FCR W4UM
216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL		207 IZ8FWN			

195 EA3JL EA5RM G3ZEM JA1EOD JH1QAX JN7FAH K3PA K7SO K9RT KF8UN N1SV NK1K W5ZG W9OP	K5XX K7GM K9EU KF7PG N4DB OH2IS W3UA W3YQ W8LGJ	W8JV WA3C WA6YEE	IT9INO K4CN K8VC N9MB NN2L ON6SAS W2FP W8NW	SM4DDE SV3FUP W8KEN	N7IR N7XR PE1L SP1MGM TF3SG VE3FF W8HC WX0V
194 K4KDX K9JF KB9LIE KC9ARR LA7AFA SM7GIB W2LO W4FC WD8JJA WN6W	191 JA1ANR K0JGH K8FC K9LA NE1B RK2FWA	187 AJ1H K0SR K6SRZ KN5O LA0FA N2NS OK1CZ SM0NJO W7AWA	182 DJ9ON DK3UA HK3W JA1SHE JA3ENN K8RRT N3OC UR3EO	178 4Z5CX EA3CJ JA4MRL K2UR NE0U SM7DLK SV1JG W6NWS W7MEM ZS1LS	174 4Z5MU JA0GJJ JA1PPW JA2XW JA7MOL JF7DZA JK1OPL JR6PGB K0TT K1KI K2KA K3AJ K4TR K4WS N1EN OE1WHC RN7F UA3LNM W8UV W8VVG WT8C
193 DF2GH DK1FW DL5ZB DL6ZXG EA3WD HA5BSW JA0EOK JA1XEC K4ODL N5LZ N9EN PA0LOU RN1ON UA0CA W9MU WA2VYA	190 IZ8XQC JA1DUH JA1MCU K0BBC K2TE K9KU KM1D N4XU N5GH SP2LNW VE7VV WE9R XE2X	186 9A8A IK2QPR JA8DNV K0BJ K7LAY W1YM YL2TW	181 DK3WW JN4MMO K2EP LZ2ZG VE3OSZ W9AJ	177 9H1SP AE5E CT1GFK IK4ADE K3WC K4RG K9NU SM6DHU W2OR W5LT W7FI WB7B	173 5B4ALJ I1JQJ JA9TWN K1NTR K4XR K9YC KA1J N5FG PY5EW
192 9A2NA CT1IUA JA7JWF JH1RFR K3FN K4FJ	189 9A2F EA8PP FM5CD JA0VSH SP7HOV UA7T	185 AB6QM CT1EAV EA6BF G3KWK IK3SWB JA2LCP K5ZD LA3WAA N4TJ N5UR OE2BZL SP3FAR SV1DPI UA9CBO	180 DM2DXA DM3VL EA8JF JA2BDR JE2URF K6SSS K7BG LA9AJA N1RR N4AH ON5FP UT2UB W1RM W7BEM W8TN	176 EU1AB I6FLD JA0DET JA5IU JA6BJV JA8KSF JL1SAM K8MN N5OK OK1DWC RL3FA SM5FUG W4BP W4GD YO7NE	172 EA7TV G0BLB G3NKC IZ5MOQ JA3FGJ JG0CQK JG3IWL K0DEQ K1BD
	188 AA1ON AB4IQ CT1FMX JA1KQX KB0EO KB1EFS KE9ET KL0S N8LJ RM0F W6SR	184 HA5WA JA2ZL JF1NZW K4HGX K5KLA KB4ET S57AC US8UA W2YJ	179 CT1FPQ IT9ELD IW0SAF JR7BDQ K8WK N2PK OK1MG S57UN	175 JA1CHN JA9NLE JS3CTQ K4DLI K5GKC	
		183 CT3MD			

K6FG	168	W0DJC	HB9TKS	UN7JX	K8YSE
KJ0M	G3MXJ	W1RR	IZ4DPV	W3HKK	KS1J
W3JX	IK2EGL	W8ILC	JA6GIJ	W6BJH	N3RC
W4FQT	JE7JDL	WA8TXT	JR5JAQ	W7SX	N3UA
WC4X	JF2UPM		LB6KC	WD5BJT	N7WS
	K4XD	165	N8MR		OE5RLM
171	K5QY	DL7UCX	RW3RN	158	UA3SAQ
AA9D	K8RYU	F6HDH	W0HT	DJ4PT	VA3LX
DL6KR	KR4F	I2ZGC	W0TT	DL1FKA	W1YIF
G0EHO	N4QQ	IK0AGU	W1LW	IT9DSZ	W4TV
HA9PP	N8BJQ	JE7RJS	W8WEJ	JA9APS	
JA6HUG	PA7F	JH7CFX		JH1TWT	155
JR1TNE	SP5GH	K5JZ	161	J11FXS	DL1RK
K1NU	W4SVO	KK4CB	DK2GZ	J11NJC	DL4SZB
LA5LJA	W6VX	N4HB	DL6RAI	JR1GJP	JE3GRQ
N0RN	W8OI	N9FN	HB9DHK	K5TT	K2LS
N4OGW	WA0MHJ	NY0V	JA1DOF	K9GA	NE0DX
N7RO	WA5YNB	RC9F	JH4ALY	OZ1HX	NW7E
N9RC		SM4CTT	JH4CPC	RU6M	SM6VR
RA3DNC	167	SP6EQZ	K1USA	SM4EMO	WE1P
SV1LK	DK5AD	W5BN	K5GO	W0SZ	ZS6EZ
UN9L	EC3A		K8ND	W1OX	
WA9PIE	EI6FR	164	LB2TB	W2XL	154
	JA6VQA	GU4YOX	N4GN	W3GQ	3V8SF
170	K6KO	HA7UW	OH6RA	W4QN	GM3PPE
DJ6TK	K8NK	HB9BZA	VK3HJ		HB9BUN
JA6JPS	K9MBQ	JA1RTX	YU2TW	157	JA8NFV
JE3ENP	N0IJ	JA7ZP		AA4H	JR3OEH
JF1WPB	N3BNA	JH2SON	160	AC6DD	K0KVR
JM1GYQ	PA3C	K1NJ	AD5Q	DL6MRS	NX8Y
K6ZZ	RA1AOB	N5WA	DK1WB	EA5BY	W1NA
KI5BLU	RN9N	RA3ZH	DL1DA	G3TQZ	W2XI
N4PY	S51EC	RN3OG	IK0FUX	G4GIR	W5DNT
SP3GTS	VE6WQ	SV2AEL	IW2FND	JA1GHH	WB0TEV
SV3KH	W1YW	W4DKS	JA2EPW	JE2DZC	WS7L
W3IP	WA4LOX	W4NS*	JE2OVG	JH2QMT	YS1RR
W9EVI	WC5N		JF2XGF	JH7IAJ	
WA3AFS		163	JR7MAZ	LY5A	153
WP4U	166	9A2JK	K3MSB	N5MOA	AA6AA
	4Z1UF	DJ9HX	NR4M	NE9Z	AJ9C
169	DJ4SO	JE2LUN	RU6L	RU4UR	DL3ZA
IK0PEA	HB9FMN	K7NN	UA0FZ	SM3PHM	G3TJW
JA1ADT	IV3TDM	K8TL	UX5UO	SV8ZS	HL2CFY
JE2LPC	JA1FNA	OK2QA	W1BR	W2TA	JF1IRW
JR1IZM	JA9LJS	UR4CWQ	W5XC	W5GZ	JR9OPJ
K1LI	K1KA	VE3CFK	W9RN	YV2IF	K7SP
N4XX	K3KY	W7AL	WX0B		K8VFX
N7US	K4JLD	WW3S		156	KR2Q
UT8MM	K4PB		159	AB9V	N4TV
UY5AA	K4WA	162	JA4FKX	DL4MM	N5TW
W6RW	K4ZYU	4O3A	JH6QFJ	IZ8IEV	N8II
W7YAQ	OH2BLD	9A4W	K4RO	JO7HAM	R9OK
WB3JFS	RM3DA	F3AT	OK2ZV	K0QC	SM6CLU

SP5CCC	JA2NQG	147	DL5KUA	NA4D	139
UT5UY	K0RS	EA3GP	E70T	NQ7R	DF7EE
WB8BPU	K5TR	F5PAC	EI6IZ	NY2NY	DJ4XA
152	K7LV	IV3VBM	GM3ITN	OK1DO	DL5EBE
EW2A	K8AJS	JA1XQC	HB9BYQ	W2OO	DL8OH
HB0CC	KD0PO	K7HP	I5MXX	W5LUA	DS1JFY
JT1CO	KU4XO	K8UT	IT9GSF	W5VQ	JA1TMG
KQ4AV	N3QE	KM1H	IV3DXW	WA5POK	J11DCW
KS3F	N9CO	N1IBM	IZ4GWE	WB8CQV	K3ANS
N9OY	OE8SPW	PC3T	JA3GN	141	K6AM
S55ZZ	SQ5EBM	W1OP	JE1FQV	AC9S	K8GI
UA6IGI	SV1CNS	W2KKZ	K0VSH	DL5MHQ	K8RF
UN7LZ	UA6YW	146	N1IX	EW1BA	KA8SYV
UT5AB	W6DAO	EU4A	N3KK	HB9FMT	KU0A
VE6LB	WW2DX	JA1HQG	SM4OLL	JA1PTJ	LA8WG
W1SKU	149	JA4DHN	SM5CLE	JA2ATE	OH1JP
W1VT	DL7CX	JA5XAE	W4GE	JA9RRH	OK1MP*
W6RLL	HB9HFN	JH1GNU	W5ADD	JH1HHC	SM5CBM
W7AJ	IK4FNF	K1CA	W7ZI	JL1UXH	SV8ZC
WB3CQM	JL1ARF	K5KV	W8RLS	K2RW	W0SD
151	K3RA	K5SM	WC5M	N8OC	WA8WV
AA7G	K3TN	K6NR	WD5T	NJ3K	138
CU2AP	K4YYL	K7WP	YO3CD	OE6VIE	DK8MCT
DK2OY	K8ME	N7BT	143	SV3FUO	DK8YY
EI9JF	K8ROX	RU0SN	DL1DUO	W2CG	EI9FBB
F3SG	K9MK	W1IZL	DL6EN	W3BW	F6DDR
HB9SLO	R8TX	W1ZT	HS0ZEE	W4JVN	IK8EPC
IZ3ENH	SM6CUK	145	K7CMZ	W4VIC	JA3OOK
JA2VQF	UW7UA	AF4HX	K7CW	W4WT	JF3LOP
JA6BEE	W0GG	HI3T	KJ9C	W8HW	JH7RXU
JH1NYM	W2/CT1GIF	IOJBL	N2RJ	ZS1C	K1RO
JR1XIS	W7HPW	IZ0RVI	N2WM	140	K2RET
K2AX	WB8B	JE6TSP	N5UW	9A1CAL	KJ6P
K2FW	WD5K	JJ3HGJ	N6PAT	DF2RG	LB5WB
N5JB	WS5W	JK1AJX	N6PSE	JR2LJO	ON6AA
OK1ATP	YO3DDZ	JN1BMX	NN4R	K5WK	OZ8X
RD3A	148	K1OA	W0IZ	K6KLY	RW4CY
RU3A	CT1FCX	K3VAT	W6QUV	KF8DX	UN7JID
S54A	DK2CC	K4OY	WB8ZRV	N4XP	V51B
SP7AWG	F5CQ	K8BL	WD9DZV	OH6NIO	W1GD
SV9AHZ	F5LVL	KF6HI	142	ON7DR	W2YE
W7CT	G4FTC	N1CGP	I5HOR	UN1L	W4YV
W7RH	JH1QDB	N4GG	IT9BLB	VE6SV	W7OM
WA1Z	K5VWW	N5XZ	JH0BQX	W0SEI	137
WA2BCK	LA6OP	NA5C	JR7WFC	W4NU	EA1YO
WP4G	N2WB	RT0F	K3PP	W7IV	GM3YOR
150	NE3F	SM3DTR	K4WZ	W8GNM	HB9RYZ
EA1AF	W5FKX	144	KK1W	W8LWU	IZ2FOS
IV3RAV	W9JJB	CU3EQ	LA9VFA	WO2T	JA3APU
JA1SVP		DL5CW	MM0SAJ	YL2MU	JA4OK
			N7QT	YO9FNP	JH4JNG

K2QMF	W4MBD	JA6CBG	JA2FBC	KG7CW	JJ1DWT
K6EME	W4RFZ	K6YUI	JG1DUZ	KM4NS	JN1RQV
K8NS	W6JTI	K9ZM	K2MYR	N5KM	K2ZD
LA9GX	WE4S	N6HY	K3NK	OH1ZK	K4JKB
RA3CO		ON4CAS	K6SIK	OZ1IKY	K4XU
RG7G	134	OZ2RH	K7LFY	R9SG	LB7ZG
UU1JA	CT3HF	SM4BZH	K8BCK	S53X	N8NA
W1ITU	IK4DCS	SM6BGG	K9GL	S55DX	OE3SGU
W5ODD	JA7LGE	SP6M	KO8SCA	SM3GQP	OK3CQD
WB5JID	K1TO	VE3CRG	NA4EA	SV3DCX	PA3EWP
	K1ZN	W4AXL	NO9E	US8UW	PA5TT
136	K3OX	W4RBO	OZ2ABI	VQ9LA	VE3CX
E72U	KX4TT	W4WM	PY5EG	W2WC	VE7BV
ER0FEO	N9MR*	W5SL	R3VA	W4IS	W8MK
HB9IQB	N9RS	W6DR	R5QA	W6RKC	W8REW
IK8CNT	NA5DX	W7AH	R9AB	ZS1A	W9ILY
JH4HMG	OE1TKW	W7CD	RU1AO	ZS6UT	WB0O
K0TV	PY5HOT	W9FR	S51NM		WB2REM
K4ZO	RG6G	WB3D	SP6JIU	127	WD4LBR
K7TM	RX4HW	XE2S	TA1CM	CT3KN	YU1EXY
KR6C	SM0BYD		VE3DO	HK1MW	
N2ZN	SV5DKL	131	W2MPK	JA1DDH	125
OK1DW	UA0ACG	DK7YY	W9ZT	JA1WLO	9A1AD
SM5OJH	W4JKC	G3UHU		JA8RJE	AG1A
SP2BMX	YU1AM	HS1NGR	129	JA9KRO	GW3TMP
UT3UZ		IV3KFB	HA1RB	JH3AIU	HK4SAN
UW8SM	133	JA0AOO	HB9AZZ	JS2LHI	IK5DNF
W2OIB	9K2NO	JA2TBS	JA1NWD	K0RW	JA4IYL
WB7QXU	EU1U	JH4ADK	JA8JO	K3TRM	JA6VU
	HB9CQK	JJ1TEA	J14POR	KM3T	JE1TSD
135	IZ8DFO	JM1FHL	K4TT	N1AC	JE6UWU
5B4MF	JA7GLB	K1UU	K6XM	N1GC	JF2WXS
DJ9ZB	JA9AGN	K5VIP	N0YY	OE8HIK	JL1RUC
F6FXU	JR6FC	KC2LSD	N3KS	SK7AX	K1HAP
IK8GYS	JR7FRW	KH2L	N3RR	SP6A	K5KG
IU0HDC	K2CDJ	KM3V	W0YVA	SP7ASZ	K8DV
JA7LMZ	KS4YT	KM4H	W7QHE	W0CP	KA6BIM
JA8BNP	KU2A	N3MK	W8MET	W0RT	KI4WCQ
JA8JL	OE1KM	N4QWZ		W1OPD	LZ1XL
K1ZE	RA5BM	N5PHT	128	W3BG	N2KA
K4ZRJ	RV4LC	N6RK	AA4SC	W3FOX	N3EN
K7FL	UQ2PZ	ON4ON	DM2RM	W3MF	N4JT
K7XB	VE3WT	R0SR	IT9ZZO	XE1KK	N9RD
NZ9R	W0NFL	R9MJ	JA2AHH		ND5S
R7LP	W2QO	R9SA	JA2KSP	126	NW6S
RN3RQ	W5AJ	W8DCH	JA9AA	DJ8WD	OE1AZS
SM3LGO			JE1LFX	DL9FCY	RA0BA
SM5CZK	132	130	JH4GJR	F8BPN	UU7JM
SP3XR	AA4NC	DF9ZW	K0FF	G4IUF	VE3UTT
W1DIG	AB9M	E73M	K3XA	IZ7EVZ	W5DAW
W1EQ	AD6W	EI2JD	K4JAF	JA1XCZ	W8LMG
W2GD	IT9RDG	G7VJR	K4SE	JA7KY	W9CG*
W4BUW	JA2KVD	HK0HEU	K6LPO	JH3CUL	WV4TN

YO2RR	W8NJR	WA1PMA	HB9AAQ	W1KSZ	IT9TQH
124	WB8K	WY1G	HB9BCI	W4DAO	IV3HYD
AA7XT	XE1H	XE1VIC	I2TZK	W4NJ	JA1WTI
IK3VBB	122	120	I4MKN	W5JMW	K1DC
J11DHY	BA4RF	9A5F	IU0LFQ	W9FI	K1RI
KD4POJ	G3NDC	AC9EM	JA3AZD	WX3P	K9FN
NA2U	JA1MRM	AL7TC	JA4XGC	YO4AUL	KT1V
PA0TCA	JH1AGU	DL2VWR	JE2JMV	117	KV1J
UA0BA	K1ESE	EI2GLB	JH6CDI	9Y4VU	NA9Q
VA7CRZ	K1YT	FG5FR	K5UZ	AE0P	OZ1LCG
VE1DUN	K2MP	HB9BLQ	K7EG	BH4IGO	PA0JSE
W2JU	K7ZA	IZ0LKV	K8KWT	DL1DWT	RV3ID
W2RIJ	KR0P	IZ5NFD	K9SG	G3PLP	TZ4AM
W3FM	LA7WCA	JA4EPE	N0KV	IT9AAI	UA4PCM
W6CYX	LA8PT	JR3UIC	N9UA	IT9DAA	W1ENE
123	N3NR	JR6LLN	NT2A	JA1HQT	W1WEF
AB1OC	N9AW	K2BA	NY7T	JA4FM	W7GG
AC4TO	NN7X	K2HK	OH5NG	JA7GYP	W7OEV
DL7JRD	OZ3Y	K3QIA	OK1DT	JA7IC	W8LRO
F4GTB	RD4A	K5JC	R6FFB	JM3GXU	WQ5L
G4WFQ	UU4JMG	K6FW	SV1ACK	JR2UBS	115
G5LP	VE6AX	KA8ZPE	W0RX	K1BZ	AA5JF
HB0WR	W2TB	N4BAF	W4HZ	K2BB	C6AGU
IK2CHZ	WA3I	N4LR	W8FIB	K6PJ	CU2CE
IK3XJP	WA7BNG	N4TB	WC2K	K8OOK	DL9GOA
JA0CRG	121	N4TL	WP3R	K8QM	G4XEE
JA1SJV	AA6RR	N4UFP	XE1RCS	N2BJ	G8BCG
JA3MHA	DF1DB	N8PW	118	N4IR	G8DX
JA6WJL	DK1EI	OE3EVA	5T5PA	N6MB	HA5UK
JK1EXO	DK6CQ	OZ2A	AB2E	N8AA	HK3PJ
JR1EBE	HB9DHG	PZ5RA	DL5OCE	N8XI	IZ7JVR
K2PK	IK2SGB	RL3BZ	JA4FHE	NY4G	JA2KNW
K3XO	JA2HYD	SP7ITB	J18DGO	SM7BIC	JA3NHL
K4ZIN	J14WAO	SV1IW	K3FRK	SP8HKT	JA5FDJ
K5GH	KD8RQE	UR5IKN	K3WGR	UA6J	JG3LGD
K7UT	KG9Z	US0YA	K4CNW	UB3A	JH1RFM
K9CS	N0OK	W2YR	K7PI	UR9IDX	K0GD
KV4T	N1JP	W3OA	K8LN	US1CT	K0SD
N2ED	N3ND	W4PRO	K8WVA	VE3YF	K4CMS
N4DWK	N6HC	W6RFL	K9DR	W4ZRZ	K4GHS
N6MZ	SV1AHX	W7RN	KD2T	W6SL	K4GK
N9JV	UQ1GWW	WT4Q	KD6UO	W8ZR	K5XM
N9LQ	UT4EO	ZL4AS	KG8CW	WA2USA	K8YTO
NA2P	UU2JQ	119	KV4AA	116	LY4T
NA9RB	VA3AYA	AA3AZ	LZ2HM	AA8CH	N0IRM
S50B	W0QQ	AA4DD	N2MM	AJ4F	N4OA
UA3DK	W2GG	AE3T	N4DJ	DL7URH	N5BO
UR9QQ	W3RJW	AJ4A	PY2PA	EA5BRE	N8KOL
UT3QU	W6XI	DK3GG	RN3TT	HA7PF	PA3AXU
W1AO	W9XX	EW4M	SV9COL	IK0EIE	RZ6MJ
W4NF	W9YE	G4DJJ	TA2RC	IK2OHG	UA1ANA
			VK4CAG		UA1CGS

UA6XT	JA0GCI	HB9CRV	HL3GOB	JE2UFF	N1BZ
UN6T	JA1OVD	HB9G	JA1AUD	JH1VHU	N2WLG
W4UCK	JA4ITW	IK2ANI	JA1FGB	K1EO	N7TY
YL2CZ	JH1ORA	IU8FRE	JA1NCZ	K2BLA	N8NN
114	JH3GCN	IZ4DIW	JE2EHP	K3JRR	ND4V
BA4DW	K0TPP	JA1SXR	JE8TGI	K3PH	NN4RR
BA7IO	K2HAT	JA4BXL	JF2WGN	K4WW	NU4I
CT3FN	K8SL	JA7BXS	K0FLY	K6MI	NX7U
CU3AK	K9GWH	JR7TEQ	K5WAF	K6VKO	PY5CC
DL6NB	KA4RRU	K0JPL	K7ORK	KB4MRX	RW4UU
F6CWA	KH6DX	K1EDG	K9AJ	KC2STA	RW9QA
G3SDL	KI0G	K1KO	KM1R	LZ1PM	RX3AGD
HP3TA	KT1J	K4UAS	KZ0X	N2CG	TG9NX
I5OYY	N7KO	K8CC	LA0CX	N3HBX	UB5ZAL
IK7YZG	N9ISN	KB2FCV	N4WJ	N3IQ	UT7KF
IW0HEX	NA3F	KI4DLS	N7BD	N3JB	VU2CPL
JA4KDT	NG0G	KM1C	N9HF	N4KE	W5WP
JA5WIZ	NI5F	LA8HGA	NA1DX	NC6K	WB5TUF
JH6WMJ	NK5B	N5ZC	UR6QA	NK7C	WN0L
K1RV	ON5UE	N6MA	UT1UY	NY4I	YV3AGT
K2DC	R7NA	N6PE	VE6KC	RD9M	108
K3MD	RA4UN	RU4SU	VE7CT	SM5BHW	AI2Q
K3NF	RZ3AUL	SM3DMP	VE7UF	SP9WZS	AL7R
K3OSX	SM5ARL	UA1ACG	W0VHF	SV1VS	DL6CNG
K5CD	SP3EPG	UA1CEI	W1FO	UA3O	ER1LW
K5RJ	SV1FKZ	UT6UD	W4HOG	US7MM	G3VAO
KB8U	SV1JFV	VE7XF	W4OX	W0UY	HB9BAT
KZ4V	SV2AVP	W1HEO	W5AQ	W3XY	HB9FAN
N1QY	UN7TW	W2CVW	W7VS	W4DC	IK0PRG
N2JJ	VE3KI	W2SKI	W8KA	W4NE	IZ0BTB
N3MN	W2GW	W3MR	W8MIL	W5ZPA	IZ2EWR
N4IQ	W6BK	W3UL	W9RB	W6KK	JA2MOG
NU8Z	W8FAX	W4VHF	WA2BOT	WL7E	JJ2PIK
UA3FT	W9DX	W5VX	WA2MUA	XE1FAS	JK1MZT
W0VX	W9HBH	W6TC	WB4TDH	YU7AU	K1EP
W4TUN	W9VNE	W8GEX	WB9EEE	ZL3NW	K1XM
W5VY	WA4DOU	W8HMK	YL3DQ	109	K2CJ
WA1FCN	WB2HJV	W9SE	YO6HOY	DF1KG	K2KQ
WA4CEM	WB2UFF	WA8OLN	110	EA3GHZ	K2MK
WA8MCD	WS4C	WT9U	BA4MY	EU4T	K4WY
WA9YYY	XE1RBV	ZP6CW	DG7RO	F8EZE	K4YJ
WN9O	ZL1BYZ	111	DL1VDL	G3SVD	K6UT
XE3ARV	112	AA4U	EA5BYP	J68HZ	K8OM
113	A92IO	AB4GE	F5BAR	JA2CXF	KM8AM
9A1A	DJ1RL	AF4OX	G3LNS	K2ONP	KN4JX
DJ5DT	DK5RL	CU3AN	G8AJM	K4RDU	LU2DKT
DJ9RR	DL5CL	DK2WH	HC1BI	K5FZ	N4MEC
DL8CM	EA1JO	DK6ED	I2BBJ	K5KA	N6RFM
DL8DYL	EI8IU	DL1HRN	IK5RUN	K5KPE	N9SF
G4AFJ	EW1DO	EV1R	IK8UHA	K6MW	N9TF
HB9EFK	G3XGC	F6ECI	IZ0CKJ	KE1F	NU4Y
	HB9CEX	G4DBN	JA7EPO	KZ5DX	PA0ZH

R5FY	OE1CP	KQ3F	K1DJ	E73D	UX4UM
R7LA	OK2BUZ	N0JZ	K2XF	EA8ZS	UY0MM
RX6DX	OK3CQR	N2CW	K4MS	EI9E	VE3VHB
S57J	R0FA	N2SQW	K5AV	F6AJA	W0YBS
SM6AOU	RN4AA	N3XM	K7OX	F8GB	W1QA
UX7UN	RV6ARZ	N8AID	K7PO	G3BRD	W3DRY
UZ6LWZ	SP3BQD	NA5Z	K9RO	HB9CIP	W3TMZ
W2UB	SP6AXW	NI5M	KI5T	HK3O	W5CWQ
W3NRJ	US5CB	NS3L	KT2E	IK0DWN	W5GJ
W4ZYT	VE3OI	OE5CSP	KX2A	JA1SDV	W5ZO
W7ACD	VK3NX	OH2OT	LZ1JZ	JA2FGL	W6PH
WA2ALY	W3KB	OK1AYU	N2DPF	JF1EGO	W7DR
WA8MOA	W6TDX	OK2BVG	N4JI	JF6WTY	WA0I
WB8BZK	W8IW	S57AL	N4NW	JK1BSM	WA0RVK
WC1M	W8VK	UR3CRO	N4PL	JO1WXO	WA9ETW
WC6DX	W9CPV	UT7UU	N4SC	K0WK	YC0LOW
WD9EQU	WB6CJT	UU5WW	N4VN	K1BG	YO5ODE
WW1WW	WB8ART	V73AZ	N6NU	K3FM	
	WS1L	VQ9SS	N7DR	K4KEW	103
107	XE2YWH	W1CWU	ON7PQ	K4MF	AG1I
4Z5LA	YL1XZ	W2EQ	OZ4AAL	K4VIG	AI3Q
DJ8ES	ZL3RJ	W2LE	PF7M	K5HK	DJ1MM
DK3FB		W2NO	PJ2/K8ND	K6UM	DJ3GZ
DL1QQ	106	W3ICM	PY2DS	K7TJR	DJ7PI
DL2CHN	AA4FL	W4IR	R6YY	K9EA	DL2HX
DL5XU	AE2U	W5JAY	RA6AF	KA2BZS	DL8YRM
DO4DXA	DJ6OZ	W8OP	RD4WM	KH6KG/W5	DM5TI
EA5AT	DL2NOM	WA4MYO	SP5JXK	KI0KB	DS3HWS
EA7QW	DL3JSW	WA6TLA	UA6LCN	KW0A	EA7SG
FG8OJ	DL6JZ	YL2GN	UR1RWX	LZ2XF	EU6MM
G4AKY	EA3CCN	YU3EF	UR2RGN	N3ER	EW3LB
G4RGK	HA8DZ		VE1PZ	N3TR	G3BDQ
HI8R	IK0ZIO	105	VR2MY	N4GU	G4AAW
I5IHE	IW3GJF	DF2PI	VY2ZM	N4TTE	G4PUQ
IT9XTP	JA1VLK	DF8AA	W1LE	N6PF	G4VGO
JA5EY	JA2MNB	DJ3XD	W1LY	N6WM	I0OSI
JA8JTH	JE6IGP	DJ6KH	W4OWY	N8MZ	JA2GQO
JH9DRL	JG3HBO	DL4ZAB	W5KI	N9DR	JA2OLJ
K0MD	JG5RVQ	DL6XK	W6FF	N9PGG	JA3FHL
K3SW	JH2KKW	DO1CTL	WQ5W	ND3L	JA8EJO
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KE2R	K4DSE	JA4EVN	AD1C	RZ6LB	K5JUC
KZ1W	K5AM	JA6VA	AG4Q	SM5CCE	K7BTW
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N3DAP	K8JJC	JA8RRF	CP8HD	SO5AS	K9MUG
N4RF	KD9HL	JA9APM	CX3CE	UA9FGJ	K9XJ
N6EE	KK8X	JF1RYU	DK3BK	US5CAO	KE1IU
N8AGU	KK9H	JO4CFV	DL4FAP	UT4EK	KJ4R
NA5Q	KP4AA	JR1BAS	DL7UPN	UT7EC	KJ7WY

KM9E	FM5WD	W2TX	K7AR	W1FC	JA5DQH
LX1DA	HB9AHL	W3EKT	K7IA	W1GF	JA9CGW
N0RU	I8LWL	W4ALF	K8BN	W2SF	JF3DRI
N1HOQ	IT9SFT	W5TO	K9JU	W3WH	JH7BKN
N9BBQ	IZ4MJP	W7IUUV	K9PG	W4BUE	JS6TWW
NU1T	JA0HXV	WA0IDK	KC4PX	W4PM	K0LB
OH3GD	JA1JAT	WA1S	KD3UY	W7AV	K0XM
OH4UI	JA6OXT	WD8DSB	KE1VT	W7CB	K1NA
OK1DQT	JA8OW	WS4Y	KE4S	W8GB	K1NZ
OK2BQU	K0YN	WW5G	KF7NN	W9MAF	K1TZQ
OK3BRK	K1PTF	YO2CMI	KN6J	W9ZCL	K2CBI
OZ7JZ	K2LP	YO2IS	KQ1F	WA3EKL	K2CYE
PA0GMM	K2TK		KS4XQ	WB3HLH	K3TZV
R9GM	K3KG	101	LA2GV	WC4H	K4FT
RA0FA	K4AQQ	AA2VG	LA6UL	WK9U	K4KSY
RA4HT	K4KAY	AA3LX	LZ1XZ	WR2G	K4QS
RK3QY	K5ZO	AA4NU	N0STL	YO2OXD	K4UQC
RU3OW	K6DJ	AC2AC	N2AJ	YO6BHN	K7VIC
SM3CBR	K7BHM	AC5O	N5AQ	YV4DYJ	K8BZ
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SM7BHH	K8BHZ	D44BC	N9JCS	100	K8CS
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UT2AB	KW4BY	DL1KS	OA4TT	AA4AK	KB0EL
VA2ZO	KY6R	DL3ANK	OE3WQB	AB4VV	KC0V
VA3IC	LA3ANA	DL5JS	OH3TY	AC4VM	KC4D
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VE3MFA	NZ3M	EA1WX	OK2BOB	DJ6OI	KD8BZY
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YO7APA	RU3UN	JA6TMU	RK9F	ES5NC	N1KI
	S59DJK	JA7SFD	RY6M	FM5GU	N1MD
102	SM6WET	JE1SYN	SM2DMU	G0VXE	N2SG
A6/RV6LNA	SP5MXZ	JF1RPZ	SM7NDX	G3OIL	N2XQM
CT4BD	T77V	JH3HGH	SP7JLH	G4CGG	N3AF
DK3QM	UA1AIR	JH3PRR	SV1PL	GM3ZSP	N4CRI
DL3DXX	UA1CKC	J13KDH	UA0FDX	I2VGW	N4ZR
DL3NCR	UA6HOF	K0LW	UG6GAW	IK0HFO	N7DED
DL4CW	UA9MR	K1YR	UR7CQ	IK4MSV	N7TK
DL4KUG	UA9UCO	K2BX	UT1CC	IS0/YO3RA	N8IL
DL5RDI	UW7CN	K2TER	UT4IS	IW0BYL	N8NB
EA8AKN	VE2FYR	K3SEW	UT7HA	IW0HQE	N8OQ
EI4DQ	W0JMP	K4NNX	VE2OJ	JA1BRK	N9ADG
EI6GF	W1MRH	K5DNL	VE3XB	JA1CPU	NA6O
ES5RW	W1PV	K6AAW	VK2GR	JA1ILA	NB3R
F6BWO	W2LW	K6XJ	W1AW	JA4FSH	NG7A

NJ3I	WB4SON
NN4SS	WU2M
OE5JDL	WV9L
OK1DXD	YB1TJ
OK2PAZ	YL2SM
ON4ANN	YO9FLD
ON7EH	ZP9MCE
ON7GB	ZS2DL
ON9CC	
OZ1ZD	
PA0INA	
PA7RA	
R3PJN	
R9JX	
RA3SD	
RA4LW	
RA6XB	
RC2A	
RN1A	
RT5A	
RU3GF	
S53MJ	
S59SV	
SV1VJ	
SV2DSJ	
UA3AKI	
UA4PAY	
UA6CEY	
UN6P	
UR4CW	
UR4LRG	
UR8IDX	
VE1RGB	
VE3OAT	
VE7JKZ	
VP2VA	
VR2PX	
W0GYH	
W0MU	
W1AN	
W1YRC	
W2CCC	
W3BBO	
W4HHN	
W4MAY	
W4OEP	
W4OV	
W5BK	
W7DT	
W7JET	
W8CNL	
W8FN	
W8GDQ	