

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	327 K5UR	316 EY8MM W2VO W3LPL	W3GH*	302 DL4MCF K4ZW UT5UGR YU1FW	297 DK5PR JA4DND OM2XW SP3EPK W0CD
340 K1ZM	325 ON4UN* R4GM	315 OH3SR S50U	308 IV3PRK K5RK K8GG KJ9I SM6CVX W5IZ	301 DJ0MDR DL9KR N1RJ S54E	296 DJ2BW F5NTV G4PWA JA1BK N4CC OE6IMD ON5NT W1JZ
338 W4ZV	324 K2TQC	314 IK4GME IK4WMA NX4D OK3GU OZ1LO PE5T RW2A UA4CR	307 4X4DK DJ7MI IK4MGP K4SV RZ3AM	300 F6BKI G3KMA GM0GAV GM3YTS I2ZFD JA4LKB N3XX PA3FQA VA3EF	
337 EA8AK	323 K9UWA OH2BO SP5EWY W1NG		306 I4EWH K4CIA SM0AJU		295 OE1WEU UA6A UX1UA W0FLS
336 W4DR	322 UX0UN	313 GM3POI OE3GCU OZ7YY W1JR	305 JA7NI OH1MA RW3PZ VE3EJ	299 CT1EEB K1UO N1BUG NN4T W7UT	294 JH2FXK K3UA RJ3AA SV8JE
334 N4WW OH2BU VE1ZZ*	321 K5NA W3UR	311 DJ6RX G3PQA RA7A	304 N4IS N4JJ* OH5VT UT3UA WT3Q		293 DF2UU KV4FZ LA5HE
333 R7LV	320 W8UVZ	310 N1DG SM5BFJ SP2FAX		298 9A2AJ IK2DFZ K4TEA N4RJ OZ3PZ SM3EVR SM3GSK SM5CEU	
332 UR0MC	319 K4PI N0XA S50A SM4CAN WB9Z		303 F5LGE K9QVB		292 G0JHC OZ1BTE R7FK* RA3DX
330 LZ2DF OH1XX UT7QF	318 K8MFO	309 DF3CB DJ9KG I4AVG			
329 AA1K HA0DU UA4HBW	317 I4EAT* W9ZR				
328 K3UL UA4CC					

SV1AOZ W3YX W8TOP	R7NW US4EX WD5COV	K8KS	G4GED W6UB	UX1AA	256 9A5CY I1FQH K1QX K4XP K5VRX PA7MM
291 JA4LXY KD9SV	283 DJ2YA I5NPH N2QT N8DX NA0Y	277 AA4MM HB9BGV IK5BAF K4WM K9CT SM6CNN	270 CT1APE OE5KE OZ1CTK	263 AA4V DL2OE K9OW W2SM W3AP	255 K4QL KX4R N2MF W5OZI
290 DL1AMQ SV1FJA UA3AKO UA3LAR	282 DL1YD G3XTT I0WDX IZ0AEG N2LT N3SL N4KG* SM5AQD SM6CTQ UY5ZZ W5ZN	276 DK5WL G3LZQ HB9BIN JH4IFF K4SO N9IW OK1AWZ SP3IBS	269 F5NBU IK4CIE KG4W OH3BU RV3LO W1ZC	262 CT1EKY JA5AUC K4UEE KR9U UX4UA W1YY YO5BRZ	254 EI7BA G0DQS IK6DLK K5XI N0AT W3DF
289 DF3GY G4BWP JA3ONB LZ2JE N0TB RX4HZ SP3E	281 DF2PY JA2PJC R3OK S59Z UT7UW W0BV W4TO	275 9A1CCY IK4DRY N8RR SP3DV SP5CJQ UW2ZM W2OKM	268 9A2EU DL5DSM DL7VEE EA6SX G3WPH RA3XDX RK4FD SM5DJZ* SP9DWT VE2TZT W1MK	261 AA1V AA6YQ DL9YX K2EK K5KC K6ND N6SS RW0LT	253 RU3FM S58Q SP9FKQ SV8BHN UA1OMS W0YG
288 PA3GCV RA3CQ SL0ZG SM3NRY SM6CMU UA4LY W0JX	280 SM4DHF SP6HEQ SV8CS UA3AB W2YC	274 G3TXF JA3FYC K4IQJ	267 HB9AMO NJ6P ON7TK RZ3DX SM6CCO	260 AA7A K4DY	252 EA1DR IK5HHA K7ZV K8FL LU8DPM SP9JZU W3UM
287 DL1RWN SP7VC VA3DX W4PK	279 EA6NB G4CCZ N2TK NO3M OG2M UA6MF	273 JA5EXW JR7VHZ K2CL K2UO K5BG RA3DA SP6AEG UA3DPM	266 IK8HJC MD0CCE R3LA UR5WA W8TE W8XD YO3APJ	259 DF4PL F6GCP G4OBK IZ1ANU KD5M R9FM W1GL	251 DJ7RD DL9RT JH0BBE K8PT VK4MA W5UN W7LR WA4FFW
286 PA0WRS RY9C S58T WK3N	278 DK0EE F6BEE JR2KDN K1CP	272 DL1DUL F6AOJ K1ZZ K5DU KF2O	265 NR1R SP6CIK	258 EA5BM K0KX RN3CT VE3QAA	250 HB9RG IK2YCW K5ESW
285 9A7V JA2JPA K3SX W8AV		271 EU7A	264 I2AOX SM5KNV US5WE		
284 IK1GPG JH4UYB					

N3NT OZ8BZ W1TSP	DK3DG DL4CF I1EIS JA2VPO ON4ATW	237 DL7MAE K1VW* OM4EX R5DT W4YO*	HA9RE IK0YUT IV3ODE KA7T N7NG ON4ACG S57A W5XZ	226 AI0O DL7HU G8VR JA0FSB JA1UQP JF2KOZ K5EK ON4AOI UT5JAJ WB6RSE	SM0CCM W7KW
249 AI9L NQ1K SP5DRH	242 K0IEA KG7H PY2RO W9RPM	236 K1JO OK2ZI SP8AJK UR5MID	230 AB4I IV3YYK JA0DAI JA1CMD JA5MHD K2UU N8JV SM3NXS W4GF W4VQ	225 A45XR AA1QD E72A FK8CP K1MM K5AB K9FD/KH6 N4CH OE5NNN RA3QK RV1CC RW3XZ VA5DX	221 EA1N JR6EZE N6VR N9BX NV9L W1ZK W6JRY W9BF WS6X
248 JA8ISU K5RX K9NW KY7M SM3VAC T77C W9NGA	241 JA1HGY JA3EMU K5ZK N4XM N5TY N7RT OK1DWJ SP5GRM UT7UJ VE1YX VE3NH	235 IK0XEZ K1FZ N6DX R7DX	229 CT1FJK JA0CRI JA8EAT JI1BEX K1DG K2FF K9NR RA0FF RO7T W9IXX	220 AC4G AG8B HB9LCW HL5IVL JA1SYY KA1R S51DI SP8NR VE3EXY ZS4TX	
247 JA5BZL JH1GZE K6XT N8TR NO2R R7IA SP5DIR	240 AG9S K0JUH K1ZG LA2XPA PA4VHF RL9F TF4M W9XY WX4G	234 JF2MBF K3SWZ K4UTE N2NL PY1BVY VE7IG*	228 AF9H DJ4AX KA9CFD NT0V* OH2BEN	219 IK3VUU JA2FJP K1AR K6TA N1LN N5AW OE8RT SP4K WA2UUK	
246 DJ2TI G3ZSS N6TR W2TQC	239 EA4KD JR3IIR K9OT KH6AT LY3UM NO8D SV1ELF	233 IZ4BEZ JA7QVI JR3GWZ K0CS K9RX SK3PY UA4HAU VE3XN W7AO YO7LCB	227 ES1RA IK0HBN IK0XBX K1FK K3NW K9ZO KF0QR N2WK NI0G SV1RK W3KX	224 JA8FKO K9FD N4II N8BM OZ4O S52F SP5INQ US0SY VK6VZ W2RQ	
245 JA1GV JG3QZN K3WW N5DG N9US RY7G WB3AVN	238 DL8WN K0KT K1HTV N5KD ON4IQ UA3TT UX0FF	232 9A4T K2AZ K4XL KC7V NI6T UA3AP VO1HP WA7NS YO9HP		223 HA7TM JF8QNF JH1HGC N6AR RT6T SV8GFW	218 DJ4PI DK0PM I3BUI IV3JVJ JA8CDT K0EU K1LT K5UO KD0Q UT4MF VE6WZ W3LL W5PJR
244 5B4AGN DK6WL F2JD JQ3DUE LA3MHA SP1S UT9FJ		231 4X4NJ F6BLP		222 AB0X JA6BZI K6EID N6JV N8PR	
243 DK2JX					

217 IK6FWJ K5PC UA3AGW W0VTT	K8SIX KE9I KG6I N1ZZ N4MM ON4GG VO1NA YV1DIG	IK0MHR K1LPS K8EUR WB9CIF	202 DL1MGB DL2KQ IZ8FFA JA2NDQ JA3CSZ JG1ULJ JH3VNC K2NV LY1G N7KA N9AU OK1DOT R9TO W2HUV ZL3IX	JE1PNX JH1IFS K6GXO N4DW N8DJX W0MHK	194 IW1ARB K4KDX K9JF KC9ARR LA7JO W2IRT W2LO
216 K3SV K4MWB N5UL OE1ZL RZ0AF SP3CGK UT7UV VE3LYC W6XA	211 JA4DEN JA6LCJ JA9PPC K4MQG K8FH NX0I SM5CZQ UR5EDX W0UO W6YI	206 AJ6T DJ8NK K2VV K4NA K5AQ KG9N SM6BZV	201 DL1EJA JA2FBY K3HP K4HB K5EJ PY2XB W1TC W5TCX W18A	198 DK2NG DL1ROJ G3UJE JI2KXK K4JJW N9LB W0DD W1TO W7DO W8HB	193 DL5ZB DL6ZXG HA5BSW HB9DDO K3JT K3LR N1SV N9EN PA0LOU RN1ON UA0SC UA0SR UA9FAR W0RI* W9MU
215 N7JW R5AJ RU3QR W0GJ	210 I8SAT IK4DRR JJ2LPV K0MN* W2LK W7JW	205 HA1RW JA3AAW W1ECT WB8ZRL YU3AA	204 AA9A DJ5AV HB9DDZ JH0INP JH2TPI JJ3PRT KK4SI LX2A N0AV N7FU PY2BW UN5J US6EX WD8PKF	197 G3SNN JA2IVK JA2WYN K3KO* K5RT OE4PWW OE5FIN ON4CD RZ6FA W0LS	
214 AB3CV HL3IUA JA2JW K1AM* K8ZTT OE2LCM OK1DX RN7G SP7GAQ W4NL	209 DL5CF EA6VQ K3WA ON6YH VA2WDQ VE1DX W0AIH* W0ZR W6PBI* W7KNT WA5VGI	203 I4KDJ JA2XYO JA3PIS K4XO K8AC KC6AWX KK2I N4NX OM3DX PA0A R6AF W8GC W8UN WS9V	200 DJ5FI DL7BA DL9DRA JA1GTF JA7MSQ JH2RMU JH7PFD K1DT K1GE K5MC K8ZH K9MMS NN4X RA3WDK RW4NN RW7M SV2JAO VE3BW W3GG WA2HZO	196 AA4HP JH2UVL K8PO KP2A N5ZM RA9CMO RZ4FO W2FCR	192 AA5AM AD8P* IZ1LBG K3FN K4FJ K5XX K9EU KB9LIE LA5YJ N4DB RN3QN W8LGJ W9EWZ
213 DF2IS DL5WW EI3IO JF6DSZ JH4ADV K3JGJ NA2M RU4SO W0LYI W1FJ W2WG W3YY	208 AD5A JF3KON K2FU N5ORT RU3ZX SM5JE* W6PJ				
212 DF6PB DL9GFB K1ST	207 I4LCK		199 EA1RT JA2DPC	195 4Z4DX F6DAY G3ZEM JA1EOD JA5AQC K7SO K9RT KF8UN N5JR RU3SD W9OP	191 K8FC K9LA RK2FWA W3UA WA2VYA
					190 IK7NXM JA1DUH JA1MCU JA7JWF

K2TE	185	180	DJ9ON	WE9R	UY5AA
K9KU	AB6QM	AB4IQ	DK2LO		W9OO
N4PQX	EA6BF	DM2DXA	EU1AB	172	WA3AFS
N4QS	G3KWK	IF9ZWA	I6FLD	G3NKC	
N5GH	JA2JNA	IK2QPR	JA0DET	IT9ELD	168
RA1QD	K5ZD	K6SSS	JA6BJV	JA0GJJ	G3MXJ
SP2LNW	N4TJ	N4AH	JE2URF	JA3FGJ	JE7JDL
VE7VV	N5UR	ON5FP	K7BG	K0JGH	K1NU
	OE2BZL	ON6SAS	K8MN	KA9FOX	K5QY
189	SV1DPI	WN6W	LA9AJA	KJ0M	K6FG
7M4HXF	UA9CBO	179	RA3S	W1RM	K8RYU
9A2F	W0EWM*	DK1FW	W4BP	W4FQT	KR4F
EA8PP		DL9MRF	W4GD		N7RO
FM5CD	184	K0BJ	W7BEM	171	N8BJQ
KM1D	9A8A	K8WK		DL6KR	SP5GH
MM0EAX	IZ8XQC	K9US	175	G0EHO	W4SVO
SP7HOV	JA9NFO	OK1MG	JA1CHN	IZ5MOQ	W6VX
UA7T	JF1NZW	SM4DDE	JS3CTQ	JA6HUG	WA5YNB
W0FS	JF4VZT	SV3FUP	K4DLI	JR1TNE	XE2X
W5DM	K4HGX	SV8CKM	LA7GIA/P	K0DEQ	
	KB1EFS	VE3DZ	NE1B	K2FL	167
188	KB4ET	W2YJ	SM5FUG	K4XR	DK5AD
9A2NA	N8LJ	W8TN	SM6DHU	K9NU	EA5RM
HB9CXZ	S57AC		W7FI	N4OGW	G0OIL
JA1ANR	SM0NJO	178		SM7GIB	HK3W
JA1KQX		AA1ON	174	W7MEM	K2KA
KF7PG	183	JA3RAR	JA2XW	W8UV	K4CN
LA5IIA	IT9INO	JA4MRL	JA5IU	WB7B	K4XD
UA0CA	K8VC	JA9FPI	JF7DZA		K5GKC
W6SR	K9YY	K2EP	JK1OPL	170	K6KO
WA6YEE	OZ1AXG	K2UR	JR6PGB	DJ6TK	N0IJ
WF4U	W2FP	LA3WAA	K2PLF*	HA5WA	N0RN
	W8NW	LB8DC	K3PA	I1JQJ	N1RR
187		N5LZ	K4TR	JA0EOK	RA1AOB
AG4W	182	NE0U	K7GM	JA6JPS	RN9N
AJ1H	EA3JL	SM7DLK	K8RRT	JM1GYQ	S51EC
G4BUE	JA1SHE	SV1JG	OE1WHC	K1NTR	W1YM
JO7WXN	JA8DNV	UT2UB	RN7F	NK1K	W1YW
K0SR	JH1QAX	W4UM	UA3LNM	OK1DWC	W8OI
KN5O	K5KLA		W1NT	SP3GTS	WA4LOX
N2NS	K6SRZ	177	WT8C	SV3KH	
ND0N	KV7K	9H1SP		US8UA	166
OK1CZ	UR3EO	AE5E	173	W9EVI	4Z1UF
SM2OAN	UT5UT	IK0FVC	5B4ALJ		CT1IUA
US0KW		JE1BMJ	F4BKV	169	DJ4SO
W7AWA	181	JF1PUW	K4WS	DM3VL	DK3WW
W8JV	K1GG	KB0EO	KA1J	F6EXV	IV3TDM
	K8NVR	W5LT	N5FG	HA9PP	IZ8FWN
186	RM0F	WA3C	N5OK	JA2BDR	JA0VSH
I5KKW	UR5FEO		VE3FF	JG3IWL	JA1ADT
K4ODL	VE3OSZ	176	W2OR	K1LI	JA1FNA
K7LAY	WA7NB	CT1FMX	W3YQ	N4XX	K3KY
W4FC	YO2DFA		W6NWS	N7US	K4JLD

K4PB	YL2TW	UX5UO	IW2FND	N5TW	F6HDH
K8NK	ZS1LS	W1BR	JA2ZL	N8II	IV3RAV
KB8VAO		W5XC	JE2LUN	PE1L	JA2NQG
LA4GHA	162	W8WEJ	JF2UPM	SM6CLU	JH1RFR
N7IR	4Z5CX		JH7IAJ	SP5CCC	JR7BDQ
SP1MGM	9A4W	159	JO7HAM	UT5UY	K4WA
W1RR	CU2DX	4Z5MU	K8YSE	WJ4T	K7LV
W8ILC	F3AT	AD5Q	KS1J		K8AJS
WA0MHJ	IK4PLW	GU4YOX	N4GN	152	KU4XO
WA8TXT	JA6GIJ	K4RO	TF3SG	DJ9HX	N3QE
	JA7ZP	W6BJH	UA3SAQ	DM5EE	OE8SPW
165	K1KI	W7SX	VA3LX	EC3A	OZ3SK
AA9D	K1NJ	WD5BJT	W1YIF	JA3ENN	UA6YW
DL7UCX	N5WA	WX0B	W4QN	JA9APS	W2XL
EA6ET	N8MR		W4TV	JT1CO	W6DAO
IZ8VYU	UR4CWQ	158		KS3F	WS7L
JA9TWN	VE3CFK	DJ4PT	155	N4TV	
K3AJ	W0HT	DL1FKA	DL1RK	N9OY	149
K5JZ	W1LW	JA1XEC	G3TQZ	RL3FA	DL7CX
K6ZZ		JF1WPB	IK0FUX	S55ZZ	IK2EGL
K9YC	161	JI1FXS	JA6VQA	UA6IGI	IK4FNF
KK4CB	4O3A	JR1GJP	K9GA	UT5AB	JL1ARF
SM4CTT	DK2GZ	K5TT	NR4M	VE6LB	K4YYL
UY1HY	DL6RAI	KL0S	NW7E	W2RS	K8ME
W5BN	JA1DOF	RM3DA	W3GQ	W6RLL	N4HB
	JA1PPW	RU6M	W8KEN	W7AJ	N5JB
164	JA7MOL	SM4EMO	W9RN	WB3CQM	NY0V
CT1EAV	JH2SON	W1OX	WP4U	WX0V	RW3RN
G0BLB	JH4CPC		ZS6EZ	YS1RR	UW7UA
HA7UW	K7NN	157			W0GG
HB9BZA	K8ND	AA4H	154	151	WB8B
IK3SWB	K9MBQ	HB9DHK	DF2GH	3V8SF	YO3DDZ
JA9LJS	N4XU	JA0UUA	EU1KY	AJ9C	
JN7FAH	N7XR	JA1GHH	GM3PPE	DK2OY	148
K1BD	OH6RA	JA4FKX	JA1RTX	EA5BY	AC6DD
K4ZYU	W0TT	JE2LPC	JA2LCP	HL2CFY	F5CQ
LA5LJA	WC5N	JI1NJC	JA8NFV	JA6BEE	N2WB
LA7AFA	YU2TW	LB2TB	K0KVR	JA9NLE	SM6CUK
N3OC	ZS5LB*	LY5A	K0TT	K2FW	SM6VR
SV1LK		N9FN	K1USA	K7SP	UA2FF
W4NS	160	NE9Z	K2LS	OH2IS	W4DKS
W8HC	CT3MD	RA3DNC	PA7F	OK1ATP	W5FIX*
	DL1DA	RU4UR	W1NA	RD3A	W5FKX
163	I2ZGC	SM3PHM	W2XI	RU3A	
IK0PEA	JA2EPW	SV8ZS	W5DNT	S54A	147
IW0SAF	JE2OVG	W2TA		SP7AWG	DL4MM
K8TL	JL1SAM	W5GZ	153	SV9AHZ	JA1XQC
N4QQ	JR7MAZ	W7TVF*	DL3ZA	W7RH	K2AX
N9RC	K3MSB	W7YAQ	G3TJW	WA1Z	K4RG
PA3C	LB6KC	WD8JJA	JF1IRW	WB8BPU	KM1H
RA3ZH	N3BNA		JF2XGF		N9CO
W0DJC	RU6L	156	JH6QFJ	150	SP6EQZ
W7AL	UA0FZ	EA3WD	K8VVF	F3SG	UN7LZ

W2KKZ	YO3CD	RN3OG	RW4CY	GM3YOR	KS4YT
W7CT		W1AX	W1GD	IT9GSF	KU2A
WB3JFS	143	W3BW	W2YE	IV3DXW	KX4TT
WW3S	DL6EN	ZS1C	W3IP	JA1TMG	OE1KM
	HS0ZEE		W4VIC	JA7LMZ	RV4LC
146	JH1NYM	140	W4YV	JA8BNP	UQ2PZ
IV3VBM	JN1BMX	DF2RG	W7HPW	JA8JL	VE3WT
JA1HQQ	K0QC	DL5KUA	W7OM	K7FL	W0NFL
JA4DHN	K3TN	F5LVL		N4PY	W2QO
JH1GNU	K3VAT	K3PP	137	NZ9R	W5ADD
JR9OPJ	K7CMZ	K5WK	DL1DUO	RN3RQ	W8HW
K5SM	K7CW	N2WM	JA2ATE	SM5CZK	
K7WP	K7HP	N9MB	JA3APU	W1DIG	132
N3RC	N5UW	OK2ZV	JE6TSP	W2CG	AA4NC
R9OK	PY5EW	ON7DR	K0BBC	W2GD	F5PAC
RU0SN	R8TX	W0SEI	K1KA	W3JX	IT9BLB
VE6WQ	UN9L	W7IV	K2QMF	W4BUW	IT9RDG
W1IZL	VE3CV	W8LWU	N2PK	W4MBD	JA2VQF
	VK3HJ	W8RLS	N2RJ	W4RFZ	JA3DY*
145	W1SKU	YL2MU	N4XP	W5VQ	JA6CBG
G4GIR	WA2BCK		OK1MP	W5ZG	K6YUI
JJ3HGJ	WB8ZRV	139	RA3CO	W6JTI	KE9ET
K4OY	WD9DZV	9A1CAL	RG7G	W8VVG	N6HY
K5KV		AB9V	UU1JA	WE1P	ON4CAS
K8BL	142	DJ4XA	W1ITU		OZ2RH
KF6HI	AF4HX	DL5EBE	W5LUA	134	SM4BZH
RT0F	EA7TV	DL8OH	W5ODD	DK1WB	SM6BGG
W1ZT	G4FTC	IZ8IEV	WB5JID	IK4DCS	VE3CRG
	I5HOR	K3ANS		JA9RRH	W4AXL
144	JH1QDB	K6AM	136	JR3OEH	W4RBO
EI6FR	JH1TWT	K6KLY	DL5CW	K1TO	W4WM
EI6IZ	JH2QMT	K8RF	EU4A	K9MK	W5SL
GM3ITN	K1OA	KJ9C	IK8CNT	KR2Q	W7CD
HB9BYQ	K4WZ	KU0A	JA1PTJ	N1EN	W9FR
IZ3ENH	K8UT	LA8WG	JE2DZC	N7WS	W9JJB
IZ4DPV	NA4D	N7BT	K0TV	N9RS	XE2S
JA3GN	OK1DO	OK2QA	KR6C	RG6G	YV2IF
JE3GRQ	W2OO	SV8ZC	LA6OP	UA0ACG	
KI5BLU	W6QUV	W9XQ	N5XZ	UY0ZG	131
N1IX	W7ZI	WA8WV	NE3F	W2OIB	AD6W
N3KK	WA5POK		OK1DW	W4JKC	E72U
N4GG		138	SM5OJH	WB8CQV	HB9IQB
NI0C	141	DK8YY	UT3UZ	YU1AM	I5MXX
OH2BLD	DL4SZB	EI9FBB	WD5K		IV3KFB
OZ1HX	DL5MHQ	EW2A	WW2DX	133	JA2TBS
SM3DTR	EW1BA	F6DDR		CX6VM	JJ1TEA
SM4OLL	IK4ADE	HB0CC	135	EU1U	KD0PO
SM5CLE	K2RW	HI3T	5B4MF	JA7GLB	KH2L
W1VT	K5TR	IK8EPC	9A2JK	K1ZN	N4QWZ
W6RW	N1IBM	JA1SVP	DJ9ZB	K2CDJ	N5PHT
WC5M	N7QT	K1RO	DK8MCT	K3OX	NA5DX
WD5T	NQ7R	K6NR	EA8JF	K8GI	OE6VIE
WS5W	NY2NY	N1CGP	F6FXU	K8ROX	ON4ON

R0SR	W1EQ	SP7ASZ	RA0BA	NN4R	W2GG
R9MJ	W7QHE	SV5DKL	UU7JM	UA3DK	W6XI
R9SA		V51B	VE3UTT	UT3QU	WB8K
W0SD	128	W0CP	W3BG	VE7BV	XE1VIC
W7JY	AA7G	W0RT	W9CG	WB2REM	
W8DCH	EI2JD	W0YVA	WA9PIE		120
WB7QXU	ER0FEO	W3MF	WB3D		9A5F
WP4G	G3UHU			122	DF7EE
	JA2KSP	126	124	AA6AA	FG5FR
130	JA2KVD	AB9M	AA7XT	CU2AP	HB9BLQ
DF9ZW	JA4OK	CU3EQ	E70T	EA3GP	IZ0LKV
DK7YY	JA9AA	DJ8WD	HB9TKS	G3NDC	IZ5NFD
E73M	JE1LFX	F8BPN	HK1MW	G4WFQ	IZ7EVZ
HB9SLO	K0FF	G4IUF	JA4IYL	G5LP	K2BA
HK0HEU	K3XA	HS1NGR	J11DHY	HB9HFN	K3QIA
JA2FBC	K4JAF	K2ZD	JM1FHL	HK4SAN	KA8ZPE
JA7LGE	K4SE	K4XU	K2RET	JA1MRM	N4BAF
JF3LOP	K6LPO	K9ZM	KD4POJ	JE1FQV	N4TB
JR7WFC	N5KM	KC2LSD	KI4WCQ	JH1HHC	OE3EVA
K1ZE	N5MOA	KF8DX	N2ZN	K1YT	PZ5RA
K2MYR	OZ2ABI	OK3CQD	NA4EA	K2MP	SM0BYD
K7LFY	R9SG	PA5TT	NX8Y	K7ZA	SP7ITB
K7XB	S53X	PY5HOT	RC9F	K8BKM	W1AO
K8BCK	SM3GQP	VE3CX	SP6A	KR0P	W4PRO
K8NS	SM3LGO	W5AJ	UA0BA	LA8PT	W6RFL
N8OC	SV1CNS	W8REW	VE1DUN	N4DWK	W7RN
NO9E	SV3DCX	WD4LBR	W2RIJ	NN7X	W8GNM
R3VA	UW8SM	YU1EXY	W3FM	OZ3Y	WA1PMA
R5QA	VQ9LA		W6CYX	RD4A	ZL4AS
R9AB	W2WC	125	YO2RR	UT5EL	
RU1AO	W4IS	G7VJR		UU4JMG	119
SM5CBM	W6DR	GW3TMP	123	W5DAW	9A1AD
SP3XR	W6RKC	IZ4GWE	AC4TO	W8NJR	AA3AZ
UN7JX	W7AH	JA3OOK	DL7JRD	W9ILY	DK3GG
VE3DO	W8MET	JA6VU	HB0WR	XE1H	DK3UA
W1OP	ZS6UT	JA7KY	IK3XJP	XE1KK	EW4M
W2MPK		JE1TSD	JA0CRG		HB9AAQ
W9ZT	127	JE6UWU	JA3MHA	121	HB9BCI
WO2T	AA4SC	J14POR	JR1EBE	AA6RR	I2TZK
	JA1DDH	K1HAP	K2PK	DF1DB	I4MKN
129	JA1WLO	K5KG	K4ZIN	DK1EI	JA3AZD
CT3HF	JA2AHH	KG7CW	K5GH	DK6CQ	JA4XGC
HB9FMN	JA8RJE	KJ6P	K5VWW	DS1JFY	JH6CDI
JA1NWD	JS2LHI	LZ1XL	K8DV	F4GTB	K2HK
JA8JO	K0RW	N2KA	K9CS	IT9DSZ	K4JKB
K5VIP	K3NK	N3EN	KM3V	JA6WJL	K5UZ
K6XM	KM4H	N4JT	KM4NS	KD8RQE	K8KWT
N0YY	LA0FA	N9MR	KV4T	N6PSE	KA6BIM
N3KS	N1AC	ND5S	N2ED	RA5BM	N1JP
N3RR	N1GC	NW6S	N3MK	UQ1GWW	N4UFP
NJ3K	OE8HIK	OE1AZS	N6MZ	UT4EO	N8PW
OE1TKW	S55DX	OZ1IKY	N9JV	UU2JQ	N9UA
SM3BCS*	SK7AX	PY5EG	NA2P	VA3AYA	NN2L
				VE6SV	

NT2A	JA7GYP	RV3ID	G8DX	SV1JFV	VE3KI
NY7T	JA7IC	SV3FUO	HP3TA	SV2AVP	W1HEO
OH5NG	JM3GXU	VA7CRZ	IT9DAA	UN7TW	W2CVW
OK1DT	K3WGR	W1ENE	JF2WXS	UT8MM	W4VHF
SV1ACK	K5JC	W1WEF	JH6WMJ	W0VX	W5VX
SV1IW	K6PJ	W7GG	K1RV	W2GW	W6TC
W4HZ	K7UT	W7OEV	K2DC	W6BK	W8HMK
W5QP*	K8OOK	W8LRO	K3OSX	W8FAX	W9SE
XE1RCS	K8QM	WA2USA	K5RJ	W9VNE	WA8OLN
	LB7ZG	WQ5L	K6EME	WA1FCN	ZP6CW
118	N3ND		KB8U	WA4DOU	
5T5PA	N4IR	115	KZ4V	WB2HJV	111
AE3T	N6MB	AJ4F	N2JJ	WS4C	AF4OX
DL5OCE	N8AA	C6AGU	N3MN	ZL1BYZ	CT3KN
JA1SJV	N8NA	CT1GFK	NU8Z		DK2WH
JA4FHE	N8XI	CU2CE	SP3FAR	112	DK6ED
J18DGO	NY4G	DL9GOA	UA3FT	A92IO	DL5CL
K4CNW	S51NM	HA5UK	VK4CAG	BA4RF	EV1R
K4TT	SM7BIC	JH4ALY	W2/CT1GIF	DJ1RL	G3PLP
K8LN	SP2BMX	J11DCW	W4TUN	EW1DO	G4DBN
KD6UO	UA6J	K0SD	WA9YYY	G3XGC	IK2CHZ
KG9Z	UB3A	K4CMS	WE4S	HB9CRV	JA1AUD
LA9VFA	W0IZ	K4GHS	XE3ARV	HB9G	JA1FGB
LZ2HM	W2JU	K4GK		HK3PJ	JA1NCZ
N2MM	W4DAO	K5XM	113	I5OYY	JA5XAE
N3UA	W4ZRZ	K8YTO	9A1A	IK0IOL	JE8TGI
N6HC	W6SL	K9SG	DJ5DT	IZ4DIW	JH1RFM
NA9RB	WB0O	KO8SCA	DJ9RR	JA1SXR	K0TPP
PA0TCA		N0IRM	DL8CM	JA7BXS	K7ORK
PY2PA	116	N0KV	DL8DYL	JR7TEQ	K9AJ
RN3TT	DL6MRS	N4OA	EA5KA	K0CA	K9GWH
TA2RC	DL7URH	N8KOL	EI9JF	K0JPL	KM1R
W1KSZ	EA5BRE	OZ8X	G4AFJ	K1KO	KV1J
W2YR	HA7PF	PA3AXU	JA4ITW	K4UAS	KZ0X
W4NJ	HB9AZZ	RZ6MJ	JA5WIZ	K8CC	LA0CX
WB0TEV	IK0EIE	SV2AEL	JH4GJR	K8SL	N4WJ
WT4Q	IT9TQH	UA1ANA	JL1RUC	KI4DLS	SP8HKT
WY1G	IV3HYD	UA1CGS	JN1RQV	KM1C	UN7JID
YO4AUL	JA1WTI	UA6XT	JR6LLN	KT1J	UR6QA
	JE3ENP	UN6T	K3MD	LA8HGA	UT1UY
117	JG0CQK	W9AJ	KH6DX	LZ2ZG	VE6KC
9Y4VU	JH4JNG	W9XX	KI0G	N4TL	VE7CT
AE0P	JJ1DWT	WA3I	N1QY	N4ZY*	VE7UF
BH4IGO	K1DC	YL2CZ	N3NR	N6MA	W0QQ
DL1DWT	K1ESE		N4DJ	N6RK	W2TB
G3LAS*	K4ZO	114	N7KO	NA3F	W3MR
HA1RB	K6SIK	AB1OC	NI5F	RU4SU	W3RJW
HB9DHG	K7EG	AB2E	OH6NIO	SM3DMP	W4HOG
I0JBL	KT1V	BA4DW	R7NA	SP6JIU	W4NU
IK5DNF	N0OK	CT3FN	RA4UN	SV9COL	W4OX
IZ8DFO	N2BJ	DL6NB	RZ3AUL	UA1ACG	W5AQ
JA1HQT	NA2U	F6CWA	SM5ARL	US1CT	W7VS
JA4FM	PA0JSE	G3SDL	SP3EPG	UT6UD	W8MIL

W9RB	JA5FDJ	LU2DKT	NK5B	N8AID	KI5T
WA2MUA	K1RI	N1BZ	OE1CP	ND4V	KT2E
WB9EEE	K2ONP	N2CG	OE3SGU	NI5M	LZ1JZ
YL3DQ	K4RDU	N4IQ	OK2BUZ	OE5CSP	N2WLG
YO6HOY	K5KA	N6RFM	OK3CQR	OK1AYU	N4JI
	K6MW	NY4I	PC3T	OK2BVG	N4NW
110	KC2STA	PA0ZH	R0FA	RU3DX	N4SC
AJ4A	KE1F	R5FY	RN4AA	S57AL	N4VN
DL1VDL	KL7RA	R7LA	SP3BQD	SP6AXW	ON7PQ
EA5BYP	N9HF	RX6DX	UR9IDX	UR3CRO	PF7M
EI2GLB	NA5C	S57J	US5CB	UT7UU	PJ2/K8ND
F5BAR	NN4RR	SM6AOU	W3KB	UU5WW	PY5CC
G3LNS	NU4I	SV1AHX	W6TDX	V73AZ	R6YY
I2BBJ	R7LP	US0YA	W9CPV	VE3YF	RA6AF
IK5RUN	RW4UU	UX7UN	WN0L	VQ9SS	RD4WM
JA9KRO	RX3AGD	UZ6LWZ	WS1L	VU2CPL	UA6LCN
JH1VHU	TG9NX	VE6AX	YL1XZ	W1CWU	UR1RWX
JR6FC	UB5ZAL	W2UB		W2GPS	UR2RGN
K1EO	UT7KF	W4ZYT	106	W2LE	VE1PZ
K3JRR	W0VHF	W7ACD	AA4FL	W4IR	VY2ZM
K6VKO	W5WP	W9NIO*	AE2U	W5JAY	W2SKI
KA4RRU	YV3AGT	WA2ALY	DJ6OZ	W8OP	W3NRJ
N3HBX		WA8MOA	DL2NOM	WA4MYO	W4OWY
N3IQ	108	WC1M	DL3JSW	WT9U	W5JMW
N3JB	AA4DD	WD9EQU	DL6CNG	WW1WW	W6FF
N4KE	AC9EM	XE1FAS	EA1JO	XE1RBV	W8LMG
N6PE	AI2Q		EA3CCN	YL2GN	WB2UFF
N7BD	AL7R	107	EI8IU	YU3EF	WQ5W
NA1DX	CU3AN	4Z5LA	G4RGK		YU1NR
NC6K	DF1KG	DK3FB	HA8DZ	105	
RD9M	DG7RO	DL2CHN	IK8GYS	DF8AA	104
SM5BHW	ER1LW	DL5XU	J68HZ	DJ3XD	9M2AX
TA1CM	G3SVD	EA5AT	JA1VLK	DJ6KH	AD1C
US7MM	HB9BAT	G4AKY	JE6IGP	DL4ZAB	AH0U
W0UY	HL3GOB	I5IHE	JG3HBO	DL6XK	CP8HD
W4DC	IK0PRG	IT9XTP	JH2KKW	DO1CTL	DK3BK
W4GE	IZ0BTV	JA0GCI	JH4HMG	G3YUV	DL1QQ
W4NE	JA2HYD	JA5EY	JJ0NCC	HA8FW	DL4FAP
W5ZPA	JA2MOG	JA8JTH	JR0EQQ	IU0LFQ	DL7UPN
YO9FNP	JE2EHP	JA9AGN	K0DEW	JA1BWA	DO4DXA
YU7AU	JR7FRW	JK1AJX	K1PX	JA1TAA	E73D
ZL3NW	K1BZ	K2MK	K3TRM	JA2MNB	EA8ZS
	K1UU	K3SW	K3WC	JA6VA	F6AJA
109	K1XM	K3YBN	K4DSE	JA7BME	F8GB
AA4U	K2KQ	K5KPE	K5AM	JA8RRF	G3BRD
BA7IO	K4WW	KE2R	K5WAF	JE2UFF	G4XEE
DL2VWR	K4WY	KV4AA	K5ZQ	JG3LGD	HB9CIP
EA3GHZ	K6FW	N2RR	K7PI	JH3CUL	HK3O
F8EZE	K6UT	N3DAP	K8JJC	K2XF	JA2FGL
G8BCG	K7TM	N4RF	KQ3F	K7OX	JF1EGO
HC1BI	K8OM	N8AGU	N0JZ	K7PO	JF6WTY
JA1XCZ	KK1W	NA5Q	N2CW	K9RO	JO1WXO
JA2CXF	KN4JX	NG0G	N7NR	KA8SYV	K0WK

K1BG	103	RU3OW	K4LM*	ZS1A	N6EE
K2BB	AG1I	SM3CBR	K4VIG		N6NU
K2BLA	AI3Q	SM6EHY	K5GO	101	N6WM
K3PH	AL7TC	SM7BHH	K5ZO	AA4NU	N8AG
K4KEW	CX3CE	SV1FKZ	K6MI	AB4GE	N8NN
K4MF	DF2PI	UA3PFN	K7BHM	AC5O	N9LQ
K5CD	DJ1MM	US2WU	K7BTW	AC9S	NX2X
K6UM	DJ7PI	VA2ZO	K7UA	CT1JGA	NZ9Z
K7TJR	DJ8ES	VA3IC	K8BHZ	CU3AK	OA4TT
KA2BZS	DL2HX	VE3MFA	K8OQL*	D44BC	OE3WQB
KH6KG/W5	DL8YRM	W0UVC	KG8CW	DH2FW	OH1ZK
KW0A	DM5TI	W1CTN	KY6R	DK9WI	OH3TY
LB5WB	EA3CJ	W3XY	LA3ANA	DL1KS	OK1PGF
N3ER	EA7SG	W4AVY	N2SQW	DL3ANK	OK2BOB
N4MEC	EU6MM	W4MZ	N3TR	DL5JS	OK3EY
N4TTE	EW3LB	W4TMR*	N5RZ	DL5RDI	OK4MM
N8MZ	G3BDQ	W5VU	NA5Z	DM3ML	ON4LG
NJ9C	G4AAW	W6SZN	NS3L	EA1WX	OZ4AAL
NN3Q	G4PUQ	WA2BOT	OH2EA	ES5RW	RA3AH
NU4Y	G4VGO	WA7BNG	OK1DTN	EU1TT	RA4P
RA1QX	IK2ANI	WB4TDH	OK1JDX	G3ZFC	RA4SD
RU3UR	JA2GQO	YO7APA	OK3CSQ	G4DJJ	RB7GG
RZ6DX	JA8EJO		ON5UE	G4FJK	RK9F
RZ6LB	JH1DGQ	102	PA7TWO	GM3WTA	RV6ARZ
SM5CCE	JM2RUV	A6/RV6LNA	PY2DO	HB9NL	RY6M
SM7CQY	K1EP	CT4BD	R3IS	IK2OHG	S50B
SO5AS	K2CJ	DK3QM	R6FFB	IV3GOW	SM2DMU
SQ5EBM	K2UVV	DK5RL	RU3UN	IZ7JVR	SM7NDX
UA3O	K4LQ	DL3DXX	T77V	JA1VVX	SP6M
UA9FGJ	K5JUC	DL3NCR	UA1AIR	JA6TMU	SP9DH
US5CAO	K8CCV	DL4KUG	UA1CKC	JH3HGH	SV1PL
UT7EC	K9MUG	EI4DQ	UA6HOF	JH3PRR	UA0FDX
UX4UM	K9XJ	F6BWO	UA9MR	JI3KDH	UA4PCM
UY0MM	KB2FCV	FM5WD	UA9UCO	JR1XIS	UG6GAW
VE3VHB	KE1IU	HB9AHL	UW7CN	K0LW	UR7CQ
W0YBS	KJ4R	IK0DWN	VE2FYR	K1YR	UT1CC
W1QA	KJ7WY	IK7YZG	VE3EDY	K3SEW	UT4IS
W3DRY	LX1DA	IT9SFT	VR2MY	K5FZ	UT7HA
W3FOX	N0RU	IU8FRE	W0RX	K6AAW	VE2OJ
W3TMZ	N4LR	IZ4MJP	W1PV	K6XJ	VE3XB
W5CWQ	N9BBQ	JA0HXV	W2EQ	K7AR	W2SF
W5GJ	N9SF	JA1SDV	W2LW	K7IA	W3HKK
W5ZO	N9TF	JA2OLJ	W2TX	K8BN	W3WH
W6PH	NE0DX	JH4ADK	W3EKT	K9PG	W4BUE
W7DR	OH3GD	JK1MZT	W4JVN	KE4S	W4WT
W8FIB	OK1DQT	JR2UBS	W5THT	KN6J	W7AV
W8KA	OK2BQU	JR3UIC	W5TO	KQ1F	W7CB
WA6TLA	OK3BRK	K0YN	W7IUV	KQ4AV	W7QC
WA9ETW	OZ7JZ	K1PTF	WA0IDK	LA2GV	W8GB
WL7E	R9GM	K2LP	WA8MCD	LZ2XF	W8VK
XE2YWH	RA0FA	K2TK	WD8DSB	N2AJ	W8ZR
YC0LOW	RA4HT	K3KG	WS4Y	N3XM	W9MAF
YO5ODE	RK3QY	K4AQQ	YO2IS	N5AQ	WB3HLH

WC6DX	K5AV	RW9QA
WK9U	K7VIC	RX9JX
WR2G	K8BZ	S53MJ
YO6BHN	K8CR	SM5AHK*
YV4DYJ	K8CS	SV1VJ
	K8LE	UA4PAY
100	K9EA	UA6CEY
9M6YBG	K9GL	UN1L
A41ZZ	K9NZ	UN6P
AA4AK	KB0EL	UR4CW
AB4VV	KC0V	UR4LRG
AC4VM	KC4D	UR8IDX
AI2S	KC5LT	US8UW
DJ6OI	KD2T	UT4EK
DL1HRN	KD8BZY	UW7LL
DL1TPY	KJ6NZ	VE1RGB
DL9GTB	KM8AM	VE3OAT
DU7ET	KN4KL	VE7JKZ
EA1AF	KP4N	VP2VA
EA2AAZ	LA8W	VR2PX
EA3ALD	LU5OM	W0GYH
EA7QW	LU5YF	W0MU
EA8AXT	LZ3YY	W1AN
EC5A	MM0SJH	W1LY
ES5NC	N0AH	W1MRH
FM5GU	N1MD	W1YRC
G3OIL	N2XQM	W2NO
G3VAO	N3AF	W3BBO
G4CGG	N4CRI	W4ALF
GM3ZSP	N6PAT	W4HHN
I2VGW	N7TK	W4NF
IK2SGB	N8IL	W4OV
IK4MSV	N9ADG	W4UCK
IS0/YO3RA	NG7A	W5VY
IW3GJF	NJ3I	W7DT
JA1BRK	OE5JDL	W8CNL
JA1CPU	OK1DXD	W8FN
JA4FSH	OK2PAZ	W8GDQ
JA5DQH	ON7EH	W8IW
JA8OW	ON7GB	W9YE
JA9CGW	ON9CC	W9ZCL
JH3GCN	OZ1LCG	WB5TUF
K0FLY	OZ1ZD	WK4Y*
K1NA	PA0INA	YL2SM
K1NZ	PA7RA	YO9FLD
K2BX	R3PJN	ZP9MCE
K2CBI	RA3SD	
K2CYE	RA4LW	
K3TZV	RA6XB	
K4FT	RL3BZ	
K4KAY	RN1A	
K4KSY	RT5A	
K4UQC	RU3GF	