

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 Jul 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	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	305 JA7NI K4ZW N4IS NN4T UA6A		295 K3UA SV8CS
330 AA1K HA0DU OH1XX UT7QF	319 N0XA SM4CAN	311 DF3CB DJ6RX DJ9KG G3PQA KJ9I			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		SP5DIR	K1GUN
291	G4CCZ	278	272	SV8BHN	N8TR
9A7V	HB9BGV	DK0EE	9A2EU	YO5BRZ	W9YSX
IZ0AEG	UR5WA	F6BEE	CT1EKY		
KD9SV		IK6DLK	DL1DUL	264	256
R7NW	284	JA3FYC	DL2OE	EI7BA	9A5CY
SM3NRY	K5XI	K5DU	OH1LEU	IK2YCW	JA5BZL
SM6CMU	SP3DV	KG4W	SP6CIK	K7ZV	JH1GZE
SP3E		RU3FM		W1GL	K1QX
UA3LAR	283		271		K5VRX
UT7UJ	DL7VEE	277	EU7A	263	K8FL
W5ZN	JA5EXW	AA4MM	G4GED	IZ1ANU	PA7MM
	JH4IFF	DJ9VA	OZ1CTK	K9OW	W1TSP
290	K4SO	F6AOJ	SM5KNV	KX4R	W3DF
UA3AKO	N7NR	HB9AMO		LA5IIA	
	NA0Y	IK5BAF	270	N3NT	255
289	NO3M	ON7TK	AA1V	W2SM	IV3ODE
I5NPH	R3OK	SP9DWT	JA5AUC	W3AP	K4QL
JA3ONB	SM6DHF		OE5KE		KY7M
K0KX		276		262	N2MF
K4WM	282	DK5WL	269	G0DQS	R5AJ
N8DX	DL1YD	G3LZQ	K6ND	IK5HHA	UX0FF
RX4HZ	I0WDX	N8RR	KD5M	KR9U	VK4MA
US4EX	K8KS	N9IW	LA3MHA	W1YY	W3KX
	K9CT	OK1AWZ	RV3LO		W5OZI
288	N2LT	VE2Tzt	W1ZC	261	
PA3GCV	NJ6P			9A4T	254
SL0ZG	SM6CTQ	275	268	DL9YX	N0AT
SP7VC	UY5ZZ	9A1CCY	DL5DSM	K2EK	OM3DX
UA4LY	W0BV	F5NBU	G3WPH	K5KC	WA4FFW
US5WE	W2YC	I2AOX	K8PT	N6SS	
W0JX		IK4CIE	RA3XDX	NO8D	253
WK3N	281	K2UO	SP9JZU	SP1S	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 WA7NB WA7NS 234 AJ6T IZ8FFA JA0FSB K1AR K4UTE KF0QR PY1BVY S51DI 233 K0CS K2UU KA7T SK3PY UA4HAU VA2WA W1TC W7AO 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 DL5WW 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 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 W1ZK
---	---	--	--	---	--

W6JRY WS6X	W0GJ W6XA YO7LCB YU3AA YV1DIG	NX0I OZ1AXG SM5CZQ W1ECT WB9CIF	K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	RW7M UY0ZG W0DD W1NT 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 LA4GHA OK1DX RN7G W4NL	210 I8SAT JA7MSQ JJ2LPV UW7LL W7JW	205 F6EXV I4KDJ JA3AAW KA9FOX LA7HJA W8UN WB8ZRL	K2NV K9YY LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR WA2HZO ZL3IX	198 DL1ROJ G3UJE G4BUE IT9JNR RX3APM W8HB
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA7JO NA2M* RU4SO W0LYI W1FJ W2WG W3YY WS9V	209 DL5CF DL9MRF EU1KY HB9CXZ HB9DDZ JA0UUA N9LB VE1DX VE3LYC W0ZR W7KNT W9OO WP4U	204 DJ5AV EA5KA F4BKV IK7NXM JA9NFO K4JJW K9US KK4SI LX2A N4NX N7FU UA0SR US6EX W2HUV WD8PKF WF4U WI8A	201 CU2DX DL1EJA JF1PUW JO7WXN K3HP N4QS W0MHK W2IRT W5TCX	197 G3SNN I5KKW IK0FVC JE1BMJ JH2UVL K8NVR OE4PWW OE5FIN ON4CD RZ6FA UA0SC UT5EL W0FS XE2X
217 DM5EE JH1IFS K5PC ON6YH UA3AGW	212 AA9A DL9GFB F6DAY JH0INP K4MQG K8ZH KE9I KG6I N1ZZ N4MM	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ	203 JA2XYO	200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG LA5YJ RW4NN	196 4Z4DX AA4HP IK4PLW JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO RZ4FO W2FCR
216 JA6LCJ JA9PPC K5EJ N4PQX N5UL OE1ZL RZ0AF		207 IZ8FWN			

W4UM	K3FN	W6SR	183	OK1MG	K4DLI
195	K4FJ	W8JV	CT3MD	S57UN	K5GKC
EA3JL	K5XX	WA3C	IT9INO	SM4DDE	N7IR
EA5RM	K7GM	WA6YEE	K4CN	SV3FUP	N7XR
G3ZEM	K9EU	187	K8RRT	W8KEN	PE1L
JA1EOD	KF7PG	AJ1H	K8VC	178	SP1MGM
JH1QAX	N4DB	K0SR	N9MB	4Z5CX	TF3SG
JN7FAH	OH2IS	K6SRZ	NN2L	EA3CJ	VE3FF
K3PA	W3UA	KN5O	ON6SAS	JA4MRL	W8HC
K7SO	W3YQ	LA0FA	W2FP	K2UR	WX0V
K9RT	W8LGJ	N2NS	W8NW	NE0U	174
KF8UN	191	OK1CZ	182	SM7DLK	4Z5MU
N1SV	JA1ANR	SM0NJO	DJ9ON	SV1JG	JA0GJJ
NK1K	K0JGH	W7AWA	DK3UA	W6NWS	JA1PPW
W5ZG	K8FC	186	HK3W	W7MEM	JA2XW
W9OP	K9LA	9A8A	JA1SHE	ZS1LS	JA7MOL
194	NE1B	IK2QPR	JA3ENN	177	JF7DZA
K4KDX	RK2FWA	JA8DNV	N3OC	9H1SP	JK1OPL
K9JF	190	K0BJ	UR3EO	AE5E	JR6PGB
KB9LIE	IZ8XQC	K7LAY	181	CT1GFK	K0TT
KC9ARR	JA1DUH	W1YM	DK3WW	IK4ADE	K1KI
LA7AFA	JA1MCU	YL2TW	JN4MMO	K3WC	K2KA
SM7GIB	K0BBC	185	K2EP	K4RG	K3AJ
W2LO	K2TE	AB6QM	LZ2ZG	K9NU	K4TR
W4FC	K9KU	CT1EAV	VE3OSZ	SM6DHU	K4WS
WD8JJA	KM1D	EA6BF	W9AJ	W2OR	N1EN
WN6W	N4XU	G3KWK	180	W5LT	OE1WHC
193	N5GH	IK3SWB	DM2DXA	W7FI	RN7F
DF2GH	SP2LNW	JA2LCP	DM3VL	WB7B	UA3LNM
DK1FW	VE7VV	K5ZD	EA8JF	176	W8UV
DL5ZB	WE9R	LA3WAA	JA2BDR	EU1AB	W8VVG
DL6ZXG	189	N4TJ	JE2URF	I6FLD	WT8C
EA3WD	9A2F	N5UR	K6SSS	JA0DET	173
HA5BSW	EA8PP	OE2BZL	K7BG	JA5IU	5B4ALJ
JA0EOK	FM5CD	SP3FAR	LA9AJA	JA6BJV	I1JQJ
JA1XEC	JA0VSH	SV1DPI	N1RR	JA8KSF	JA9TWN
K4ODL	SP7HOV	UA9CBO	N4AH	JL1SAM	K1NTR
N5LZ	UA7T	184	ON5FP	K8MN	K4XR
N9EN	188	HA5WA	UT2UB	N5OK	K9YC
PA0LOU	AA1ON	JA2ZL	W1RM	OK1DWC	KA1J
RN1ON	AB4IQ	JF1NZW	W7BEM	RL3FA	N5FG
UA0CA	CT1FMX	K4HGX	W8TN	SM5FUG	PY5EW
W9MU	JA1KQX	K5KLA	179	W4BP	172
WA2VYA	KB0EO	KB4ET	CT1FPQ	W4GD	EA7TV
192	KB1EFS	S57AC	IT9ELD	YO7NE	G0BLB
9A2NA	KE9ET	US8UA	IW0SAF	175	G3NKC
CT1IUA	KL0S	W2YJ	JR7BDQ	JA1CHN	IZ5MOQ
JA7JWF	N8LJ	175	K8WK	JA9NLE	JA3FGJ
JH1RFR	RM0F	N2PK	175	JS3CTQ	JG0CQK
					JG3IWL

K0DEQ	WB3JFS	OH2BLD	9A4W	K4RO	JO7HAM
K1BD		RM3DA	F3AT	OK2ZV	K0QC
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
	166	9A2JK	K3MSB	N5MOA	AA6AA
169	4Z1UF	DJ9HX	NR4M	NE9Z	AJ9C
IK0PEA	DJ4SO	JE2LUN	RU6L	RU4UR	DL3ZA
JA1ADT	HB9FMN	K7NN	UA0FZ	SM3PHM	G3TJW
JE2LPC	IV3TDM	K8TL	UX5UO	SV8ZS	HL2CFY
JR1IZM	JA1FNA	OK2QA	W1BR	W2TA	JF1IRW
K1LI	JA9LJS	UR4CWQ	W5XC	W5GZ	JR9OPJ
N4XX	K1KA	VE3CFK	W9RN	YV2IF	K7SP
N7US	K3KY	W7AL	WX0B		K8VFX
UT8MM	K4JLD	WW3S		156	KR2Q
UY5AA	K4PB		159	AB9V	N4TV
W6RW	K4WA	162	JA4FKX	DL4MM	N5TW
W7YAQ	K4ZYU	4O3A	JH6QFJ	IZ8IEV	N8II

R9OK SM6CLU SP5CCC UT5UY WB8BPU	IV3RAV JA1SVP JA2NQG K0RS K5TR K7LV K8AJS KD0PO KU4XO N3QE N9CO OE8SPW SQ5EBM SV1CNS UA6YW W6DAO WW2DX	147 EA3GP F5PAC IV3VBM JA1XQC K7HP K8UT KM1H N1IBM PC3T W1OP W2KKZ	DL5KUA E70T EI6IZ GM3ITN HB9BYQ I5MXX IT9GSF IV3DXW IZ4GWE JA3GN JE1FQV K0VSH KJ9C N1IX N3KK SM4OLL SM5CLE W4GE W5ADD W7ZI W8RLS WC5M WD5T YO3CD	N2ZN N7QT NA4D NQ7R NY2NY OK1DO W2OO W5LUA W5VQ WA5POK WB8CQV	YO9FNP 139 DF7EE DJ4XA DL5EBE DL8OH DS1JFY JA1TMG J11DCW K3ANS K6AM K8GI K8RF KA8SYV KU0A LA8WG OH1JP OK1MP* SM5CBM SV8ZC W0SD WA8WV
152 EW2A HB0CC JT1CO KQ4AV KS3F N9OY S55ZZ UA6IGI UN7LZ UT5AB VE6LB W1SKU W1VT W6RLL W7AJ WB3CQM	149 DL7CX HB9HFN IK4FNF JL1ARF K3RA K3TN K4YYL K8ME K8ROX K9MK R8TX SM6CUK UW7UA W0GG W2/CT1GIF W7HPW WB8B WD5K WS5W YO3DDZ	146 EU4A JA1HQG JA4DHN JA5XAE JH1GNU K1CA K5KV K5SM K6NR K7WP N7BT RU0SN W1IZL W1ZT	143 DL1DUO DL6EN HS0ZEE K7CMZ K7CW N2RJ N2WM N5UW N6PAT N6PSE NN4R W0IZ W6QUV WB8ZRV WD9DZV	141 AC9S DL5MHQ EW1BA HB9FMT JA1PTJ JA2ATE JA9RRH JH1HHC JL1UXH K2RW N8OC NJ3K OE6VIE SV3FUO W2CG W3BW W4JVN W4VIC W4WT W8HW ZS1C	138 DK8MCT DK8YY EI9FBB F6DDR IK8EPC JA3OOK JF3LOP JH7RXU K1RO K2RET KJ6P LB5WB ON6AA OZ8X RW4CY UN7JID V51B W1GD W2YE W4YV W7OM
151 AA7G CU2AP DK2OY EI9JF F3SG HB9SLO IZ3ENH JA2VQF JA6BEE JH1NYM JR1XIS K2AX K2FW N5JB OK1ATP RD3A RU3A S54A SP7AWG SV9AHZ W7CT W7RH WA1Z WA2BCK WP4G	148 CT1FCX DK2CC F5CQ F5LVL G4FTC JH1QDB K5VWW LA6OP N2WB NE3F W5FKX W9JJB	145 AF4HX HI3T I0JBL IZ0RVI JE6TSP JJ3HGJ JK1AJX JN1BMX K1OA K3VAT K4OY K8BL KF6HI N1CGP N4GG N5XZ NA5C RT0F SM3DTR	142 DF2RG I5HOR IT9BLB JH0BQX JR7WFC K3PP K4WZ KK1W LA9VFA MM0SAJ	140 9A1CAL JR2LJO K5WK K6KLY KF8DX N4XP OH6NIO ON7DR UN1L VE6SV W0SEI W4NU W7IV W8GNM W8LWU WO2T YL2MU	137 EA1YO GM3YOR HB9CQK HB9RYZ IZ2FOS
150 EA1AF		144 CU3EQ DL5CW			

JA3APU	W2GD	IT9RDG	HK0HEU	K6LPO	JA7KY
JA4OK	W4BUW	JA2KVD	JA2FBC	KG7CW	JH3CUL
JH4JNG	W4MBD	JA6CBG	JG1DUZ	KM4NS	JJ1DWT
K2QMF	W4RFZ	K6YUI	K2MYR	N5KM	JN1RQV
K6EME	W6JTI	K9ZM	K3NK	OH1ZK	K2ZD
K8NS	WE4S	N6HY	K6SIK	OZ1IKY	K4JKB
LA9GX		OZ2RH	K7LFY	R9SG	K4XU
RA3CO	134	SM4BZH	K8BCK	S53X	LB7ZG
RG7G	CT3HF	SM6BGG	K9GL	S55DX	N8NA
UU1JA	IK4DCS	SP6M	KO8SCA	SM3GQP	OE3SGU
W1ITU	JA7LGE	VE3CRG	NA4EA	SV3DCX	OK3CQD
W5ODD	K1TO	W4AXL	NO9E	US8UW	PA5TT
WB5JID	K1ZN	W4RBO	OZ2ABI	VQ9LA	VE3CX
	K3OX	W4WM	PY5EG	W2WC	VE7BV
136	KX4TT	W5SL	R3VA	W4IS	W8MK
E72U	N9MR*	W6DR	R5QA	W6RKC	W8REW
ER0FEO	N9RS	W7AH	R9AB	ZS1A	W9ILY
HB9IQB	NA5DX	W7CD	RU1AO	ZS6UT	WB0O
IK8CNT	OE1TKW	W9FR	S51NM		WB2REM
JH4HMG	PY5HOT	WB3D	SP6JIU	127	WD4LBR
K0TV	RG6G	XE2S	TA1CM	CT3KN	YU1EXY
K4ZO	RX4HW		VE3DO	HK1MW	
K7TM	SM0BYD	131	W2MPK	JA1DDH	125
KR6C	SV5DKL	DK7YY	W9ZT	JA1WLO	9A1AD
OK1DW	UA0ACG	G3UHU		JA8RJE	AG1A
SM5OJH	W4JKC	HS1NGR	129	JA9KRO	GW3TMP
SP2BMX	YU1AM	IV3KFB	HA1RB	JH3AIU	HK4SAN
UT3UZ		JA0AOO	HB9AZZ	JS2LHI	IK5DNF
UW8SM	133	JA2TBS	JA1NWD	K0RW	JA4IYL
W2OIB	9K2NO	JH4ADK	JA8JO	K3TRM	JA6VU
WB7QXU	EU1U	JJ1TEA	J14POR	KM3T	JE1TSD
	IZ8DFO	JM1FHL	K4TT	N1AC	JE6UWU
135	JA7GLB	K1UU	K6XM	N1GC	JF2WXS
5B4MF	JA9AGN	K5VIP	N0YY	OE8HIK	JL1RUC
DJ9ZB	JR6FC	KC2LSD	N3KS	PA3EWP	K1HAP
F6FXU	JR7FRW	KH2L	N3RR	SK7AX	K5KG
IK8GYS	K2CDJ	KM3V	W0YVA	SP6A	K8DV
IU0HDC	KS4YT	KM4H	W7QHE	SP7ASZ	KA6BIM
JA7LMZ	KU2A	N3MK	W8MET	W0CP	KI4WCQ
JA8BNP	OE1KM	N4QWZ		W0RT	LZ1XL
JA8JL	ON4CAS	N5PHT	128	W1OPD	N2KA
K1ZE	RA5BM	N6RK	AA4SC	W3BG	N3EN
K4ZRJ	RV4LC	ON4ON	DM2RM	W3FOX	N4JT
K7FL	UQ2PZ	R0SR	IT9ZZO	W3MF	N9RD
K7XB	VE3WT	R9MJ	JA2AHH	XE1KK	ND5S
NZ9R	W0NFL	R9SA	JA2KSP		NW6S
R7LP	W2QO	W8DCH	JA9AA	126	OE1AZS
RN3RQ	W5AJ		JE1LFX	DJ8WD	RA0BA
SM3LGO		130	JH4GJR	DL9FCY	UU7JM
SM5CZK	132	DF9ZW	K0FF	F8BPN	VE3UTT
SP3XR	AA4NC	E73M	K3XA	G4IUF	W5DAW
W1DIG	AB9M	EI2JD	K4JAF	IZ7EVZ	W8LMG
W1EQ	AD6W	G7VJR	K4SE	JA1XCZ	W9CG*

WV4TN	W1AO	W9XX	DK3GG	RN3TT	EA5BRE
YO2RR	W4NF	W9YE	EW4M	SV9COL	HA7PF
	W8NJR	WA1PMA	G4DJJ	TA2RC	IK0EIE
124	WB8K	WY1G	HB9AAQ	VK4CAG	IK2OHG
AA7XT	XE1H	XE1VIC	HB9BCI	W1KSZ	IT9TQH
IK3VBB			I2TZK	W4DAO	IV3HYD
J11DHY	122	120	I4MKN	W4NJ	JA1WTI
KD4POJ	BA4RF	9A5F	IU0LFQ	W5JMW	K1DC
NA2U	G3NDC	AA5JF	JA3AZD	W9FI	K1RI
PA0TCA	JA1MRM	AC9EM	JA4XGC	WX3P	K9FN
UA0BA	JH1AGU	AL7TC	JE2JMV	YO4AUL	KT1V
VA7CRZ	K1BZ	DL2VWR	JH6CDI		KV1J
VE1DUN	K1ESE	EI2GLB	K3FRK	117	NA9Q
W2JU	K1YT	FG5FR	K5UZ	9Y4VU	OZ1LCG
W2RIJ	K2MP	HB9BLQ	K7EG	AA8CH	PA0JSE
W3FM	K7ZA	IZ0LKV	K8KWT	AE0P	RV3ID
W6CYX	KR0P	IZ5NFD	K9SG	BH4IGO	TZ4AM
	LA7WCA	JA4EPE	N0KV	DL1DWT	UA4PCM
123	LA8PT	JR3UIC	N9UA	G3PLP	W1ENE
AB1OC	N3NR	JR6LLN	NT2A	IT9AAI	W1WEF
AC4TO	N9AW	K2BA	NY7T	IT9DAA	W7GG
DL7JRD	NN7X	K2HK	OH5NG	JA1HQT	W7OEV
F4GTB	OZ3Y	K3QIA	OK1DT	JA4FM	W8LRO
G4WFQ	RD4A	K5JC	R6FFB	JA7GYP	WQ5L
G5LP	UU4JMG	K6FW	SV1ACK	JA7IC	
HB0WR	VE6AX	KA8ZPE	W0RX	JM3GXU	115
IK2CHZ	W2TB	N4BAF	W4HZ	JR2UBS	C6AGU
IK3XJP	WA3I	N4LR	W8FIB	K2BB	CU2CE
JA0CRG	WA7BNG	N4TB	WC2K	K6PJ	DL9GOA
JA1SJV		N4TL	WP3R	K8OOK	G4XEE
JA3MHA	121	N4UFP	XE1RCS	K8QM	G8BCG
JA6WJL	AA6RR	N8PW		N2BJ	G8DX
J14WAO	DF1DB	OE3EVA	118	N4IR	HA5UK
JK1EXO	DK1EI	OZ2A	5T5PA	N6MB	HK3PJ
JR1EBE	DK6CQ	PZ5RA	AB2E	N8AA	IW0HEX
K2PK	HB9DHG	RL3BZ	DL5OCE	N8XI	IZ7JVR
K3XO	IK2SGB	SP7ITB	JA4FHE	NY4G	JA2KNW
K4ZIN	JA2HYD	SV1IW	J18DGO	OZ5HP	JA3NHL
K5GH	KD8RQE	UR5IKN	JN7DOS	SM7BIC	JA5FDJ
K7UT	KG9Z	US0YA	K3WGR	SP8HKT	JG3LGD
K9CS	N0OK	W2YR	K4CNW	UA6J	JH1RFM
KV4T	N1JP	W3OA	K7PI	UB3A	K0GD
N2ED	N3ND	W4PRO	K8LN	UR9IDX	K0SD
N4DWK	N6HC	W6RFL	K8WVA	US1CT	K4CMS
N6MZ	SV1AHX	W7RN	K9DR	VE3YF	K4GHS
N9JV	UQ1GWW	WT4Q	KD2T	W4ZRZ	K4GK
N9LQ	UT4EO	ZL4AS	KD6UO	W6SL	K5XM
NA2P	UU2JQ		KG8CW	W8ZR	K8YTO
NA9RB	VA3AYA	119	KV4AA	WA2USA	LY4T
S50B	W0QQ	AA3AZ	LZ2HM		N0IRM
UA3DK	W2GG	AA4DD	N2MM	116	N4OA
UR9QQ	W3RJW	AE3T	N4DJ	AJ4F	N5BO
UT3QU	W6XI	AJ4A	PY2PA	DL7URH	N8KOL

PA3AXU	DL8CM	EI8IU	DL1HRN	IK8UHA	K6MW
RZ6MJ	DL8DYL	EW1DO	EV1R	IZ0CKJ	KE1F
UA1ANA	G4AFJ	G3XGC	F6ECI	JA7EPO	KZ5DX
UA1CGS	HB9EFK	HB9CEX	G4DBN	JE2UFF	N1BZ
UA6XT	JA0GCI	HB9CRV	HL3GOB	JH1VHU	N2WLG
UN6T	JA1OVD	HB9G	JA1AUD	K1EO	N7TY
W4UCK	JA4ITW	IK2ANI	JA1FGB	K2BLA	N8NN
YL2CZ	JH1ORA	IU8FRE	JA1NCZ	K3JRR	ND4V
	JH3GCN	IZ4DIW	JE2EHP	K3PH	NN4RR
114	K0TPP	JA1SXR	JE8TGI	K4WW	NU4I
AB4GE	K2HAT	JA4BXL	JF2WGN	K6MI	NX7U
BA4DW	K8SL	JA7BXS	K0FLY	K6VKO	PY5CC
BA7IO	K9GWH	JR7TEQ	K5WAF	KB4MRX	RW4UU
CT3FN	KA4RRU	K0JPL	K7ORK	KC2STA	RW9QA
CU3AK	KH6DX	K1EDG	K9AJ	LZ1PM	RX3AGD
DL6NB	KI0G	K1KO	KM1R	N2CG	TG9NX
F6CWA	KT1J	K4UAS	KZ0X	N3HBX	UB5ZAL
G3SDL	N7KO	K8CC	LA0CX	N3IQ	UT7KF
HP3TA	N9ISN	KB2FCV	N4WJ	N3JB	VU2CPL
I5OYY	NA3F	KI4DLS	N7BD	N4KE	W5WP
IK7YZG	NG0G	KM1C	N9HF	NC6K	WB5TUF
JA4KDT	NI5F	LA8HGA	NA1DX	NK7C	WN0L
JA5WIZ	NK5B	N5ZC	UR6QA	NY4I	YV3AGT
JH6WMJ	ON5UE	N6MA	UT1UY	RD9M	
K1RV	R7NA	N6PE	VE6KC	SM5BHW	108
K2DC	RA4UN	RU4SU	VE7CT	SP9WZS	AI2Q
K3MD	RZ3AUL	SM3DMP	VE7UF	SV1VS	AL7R
K3NF	SM5ARL	UA1ACG	W0VHF	UA3O	DL6CNG
K3OSX	SP3EPG	UA1CEI	W1FO	US7MM	ER1LW
K5CD	SV1FKZ	UT6UD	W4HOG	W0UY	G3VAO
K5RJ	SV1JFV	VE7XF	W4OX	W3XY	HB9BAT
KB8U	SV2AVP	W1HEO	W5AQ	W4DC	HB9FAN
KZ4V	UN7TW	W2CVW	W7VS	W4NE	IK0PRG
N1QY	VE3KI	W2SKI	W8KA	W5ZPA	IZ0BTV
N2JJ	W2GW	W3MR	W8MIL	W6KK	IZ2EWR
N3MN	W6BK	W3UL	W9RB	WL7E	JA2MOG
N4IQ	W8FAX	W4VHF	WA2BOT	XE1FAS	JJ2PIK
NU8Z	W9DX	W5VX	WA2MUA	YU7AU	JK1MZT
UA3FT	W9HBH	W6TC	WB4TDH	ZL3NW	K1EP
W0VX	W9VNE	W8GEX	WB9EEE		K1XM
W4TUN	WA4DOU	W8HMK	YL3DQ	109	K2CJ
W5VY	WB2HJV	W9SE	YO6HOY	DF1KG	K2KQ
WA1FCN	WB2UFF	WA8OLN		EA3GHZ	K2MK
WA4CEM	WS4C	WT9U	110	EU4T	K4WY
WA8MCD	XE1RBV	ZP6CW	BA4MY	F8EZE	K4YJ
WA9YYY	ZL1BYZ		DL1VDL	G3SVD	K6UT
WN9O		111	EA5BYP	J68HZ	K8OM
XE3ARV	112	AA4U	F5BAR	JA2CXF	KM8AM
	A92IO	AF4OX	G3LNS	K2ONP	KN4JX
113	DJ1RL	CU3AN	G8AJM	K4RDU	LU2DKT
9A1A	DK5RL	DG7RO	HC1BI	K5FZ	N4MEC
DJ5DT	DL5CL	DK2WH	I2BBJ	K5KA	N6RFM
DJ9RR	EA1JO	DK6ED	IK5RUN	K5KPE	N9SF

N9TF	N4RF	KD9HL	JA9APM	CX3CE	UA9FGJ
NU4Y	N6EE	KK8X	JF1RYU	DK3BK	US5CAO
PA0ZH	N8AGU	KK9H	JO4CFV	DL4FAP	UT4EK
R5FY	NA5Q	KP4AA	JR1BAS	DL7UPN	UT7EC
R7LA	OE1CP	KQ3F	K1DJ	E73D	UX4UM
RX6DX	OK2BUZ	N0JZ	K2XF	EA8ZS	UY0MM
S57J	OK3CQR	N2CW	K4MS	EI9E	VE3VHB
SM6AOU	R0FA	N2SQW	K5AV	F6AJA	W0YBS
UX7UN	RN4AA	N3XM	K7OX	F8GB	W1QA
UZ6LWZ	RV6ARZ	N8AID	K7PO	G3BRD	W3DRY
W2UB	SP3BQD	NA5Z	K9RO	HB9CIP	W3TMZ
W3NRJ	SP6AXW	NI5M	KI5T	HK3O	W5CWQ
W4ZYT	US5CB	NS3L	KT2E	IK0DWN	W5GJ
W7ACD	VE3OI	OE5CSP	KX2A	JA1SDV	W5ZO
WA2ALY	VK3NX	OH2OT	LZ1JZ	JA2FGL	W6PH
WA8MOA	W3KB	OK1AYU	N2DPF	JF1EGO	W7DR
WB8BZK	W6TDX	OK2BVG	N4JI	JF6WTY	WA0I
WC1M	W8IW	S57AL	N4NW	JK1BSM	WA0RVK
WC6DX	W8VK	UR3CRO	N4PL	JO1WXO	WA9ETW
WD9EQU	W9CPV	UT7UU	N4SC	K0WK	YC0LOW
WW1WW	WB6CJT	UU5WW	N4VN	K1BG	YO5ODE
	WB8ART	V73AZ	N6NU	K3FM	
107	WS1L	VQ9SS	N7DR	K4KEW	103
4Z5LA	XE2YWH	W1CWU	ON7PQ	K4MF	AG1I
DJ8ES	YL1XZ	W2EQ	OZ4AAL	K4VIG	AI3Q
DK3FB	ZL3RJ	W2LE	PF7M	K5HK	DJ1MM
DL1QQ		W2NO	PJ2/K8ND	K6UM	DJ3GZ
DL2CHN	106	W3ICM	PY2DS	K7TJR	DJ7PI
DL5XU	AA4FL	W4IR	R6YY	K9EA	DL2HX
DO4DXA	AE2U	W5JAY	RA6AF	KA2BZS	DL8YRM
EA5AT	DJ6OZ	W8OP	RD4WM	KH6KG/W5	DM5TI
EA7QW	DL2NOM	WA4MYO	SP5JXK	KI0KB	DS3HWS
FG8OJ	DL3JSW	WA6TLA	UA6LCN	KW0A	EA7SG
G4AKY	DL6JZ	YL2GN	UR1RWX	LZ2XF	EU6MM
G4RGK	EA3CCN	YU3EF	UR2RGN	N3ER	EW3LB
HI8R	HA8DZ		VE1PZ	N3TR	G3BDQ
I5IHE	IK0ZIO	105	VR2MY	N4GU	G4AAW
IT9XTP	IW3GJF	DF2PI	VY2ZM	N4TTE	G4PUQ
JA5EY	JA1VLK	DF8AA	W1LE	N6PF	G4VGO
JA6OXT	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
K3YBN	JH6PFY	ES1GO	YU1NR	NJ9C	JH1DGQ
K4SAF	JJ0NCC	G3YUV		NN3Q	JM2RUV
K8LBT	JR0EQQ	HA8FW	104	RA1QX	K0EOO
K8ZR	K0DEW	JA1BWA	9K2OD	RU3UR	K2UVV
KB9DAK	K1PX	JA1TAA	9M2AX	RZ6DX	K4LQ
KE2R	K4DSE	JA4EVN	AD1C	RZ6LB	K5JUC
KZ1W	K5AM	JA6VA	AG4Q	SM5CCE	K7BTW
N2RR	K5ZQ	JA7BME	AH0U	SM7CQY	K8CCV
N3DAP	K8JJC	JA8RRF	CP8HD	SO5AS	K9MUG

K9XJ	EI4DQ	W1MRH	K5DNL	VK2GR	JA1BRK
KE1IU	EI6GF	W1PV	K6AAW	W1AW	JA1CPU
KJ4R	ES5RW	W2LW	K6XJ	W1FC	JA1ILA
KJ7WY	F6BWO	W2TX	K7AR	W1GF	JA4FSH
KM9E	FM5WD	W3EKT	K7IA	W2SF	JA5DQH
LX1DA	HB9AHL	W4ALF	K8BN	W3WH	JA9CGW
N0RU	I8LWL	W5TO	K9JU	W4BUE	JF3DRI
N1HOQ	IT9SFT	W7IUU	K9PG	W4PM	JH7BKN
N9BBQ	IZ4MJP	WA0IDK	KC4PX	W5RF	JS6TWW
NU1T	JA0HXV	WA1S	KD3UY	W7AV	K0LB
OH3GD	JA1JAT	WD8DSB	KE1VT	W7CB	K0XM
OH4UI	JA8OW	WS4Y	KE4S	W8GB	K1NA
OK1DQT	K0YN	WW5G	KF7NN	W9MAF	K1NZ
OK2BQU	K1PTF	YO2CMI	KN6J	W9ZCL	K1TZQ
OK3BRK	K2LP	YO2IS	KQ1F	WA3EKL	K2CBI
OZ7JZ	K2TK		KS4XQ	WB3HLH	K2CYE
PA0GMM	K3KG	101	LA2GV	WC4H	K3TZV
R9GM	K4AQQ	AA2VG	LA6UL	WK9U	K4FT
RA0FA	K4KAY	AA3LX	LZ1XZ	WR2G	K4KSY
RA4HT	K5ZO	AA4NU	N0STL	WV9L	K4QS
RK3QY	K6DJ	AC2AC	N2AJ	YO2OXD	K4UQC
RU3OW	K7BHM	AC5O	N5AQ	YO6BHN	K7VIC
SM3CBR	K7UA	CT1JGA	N8AG	YV4DYJ	K8BZ
SM6EHY	K8BHZ	D44BC	N9JCS		K8CR
SM7BHH	KJ6NZ	DH2FW	NE1F	100	K8CS
UA3PFN	KN4KL	DK9WI	NX2X	9M6YBG	K8LE
US2WU	KW4BY	DL1KS	OA4TT	A41ZZ	K9NZ
UT2AB	KY6R	DL3ANK	OE3WQB	AA4AK	KB0EL
VA2ZO	LA3ANA	DL5JS	OH3TY	AB4VV	KC0V
VA3IC	N5RZ	DM3ML	OK1PGF	AC4VM	KC4D
VE3EDY	NZ3M	EA1WX	OK2BOB	AI2S	KC5LT
VE3MFA	OH2EA	EU1TT	OK3EY	DJ6OI	KD8BZY
VE3VV	OK1DTN	G3ZFC	OK4MM	DL1TPY	KP4N
W0QC	OK1JDX	G4FJK	ON4LG	DL1TRK	KQ5M
W0UVC	OK3CSQ	GM3WTA	PA4WM	DL9GTB	LA8W
W1CTN	PA7TWO	HB9NL	RA3AH	DU7ET	LU5OM
W4AVY	PV8ABC	IV3GOW	RA4P	EA1CP	LU5YF
W4MZ	PY2DO	IV3KCB	RA4SD	EA2AAZ	LZ3YY
W5THT	R2AB	JA1VVX	RB7GG	EA3ALD	MM0SJH
W5VU	R3IS	JA2VMU	RK9F	EA8AXT	N0AH
W6SZN	RU3UN	JA6TMU	RY6M	EC5A	N0ATQ
YO7APA	S59DJK	JA7SFD	SM2DMU	ES5NC	N1KI
	SM6WET	JE1SYN	SM7NDX	FM5GU	N1MD
102	SP5MXZ	JF1RPZ	SP7JLH	G0VXE	N2SG
A6/RV6LNA	T77V	JH3HGH	SV1PL	G3OIL	N2XQM
CT4BD	UA1AIR	JH3PRR	UA0FDX	G4CGG	N3AF
DK3QM	UA1CKC	J13KDH	UG6GAW	GM3ZSP	N4CRI
DL3DXX	UA6HOF	K0LW	UR7CQ	I2VGW	N4ZR
DL3NCR	UA9MR	K1YR	UT1CC	IK0HFO	N7DED
DL4CW	UA9UCO	K2BX	UT4IS	IK4MSV	N7TK
DL4KUG	UW7CN	K2TER	UT7HA	IS0/YO3RA	N8IL
DL5RDI	VE2FYR	K3SEW	VE2OJ	IW0BYL	N8NB
EA8AKN	W0JMP	K4NNX	VE3XB	IW0HQE	N8OQ

N9ADG	W7DT
NA6O	W7JET
NB3R	W8CNL
NG7A	W8FN
NJ3I	W8GDQ
NN4SS	WB4SON
OE5JDL	WU2M
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	
TI5CDA	
UA3AKI	
UA4PAY	
UA6CEY	
UN6P	
UR4CW	
UR4LRG	
UR8IDX	
VE1RGB	
VE3OAT	
VE7JKZ	
VP2VA	
VR2PX	
W0GYH	
W0MU	
W1AN	
W1YRC	
W2CCC	
W3BBO	
W4HHN	
W4MAY	
W4OEP	
W4OV	
W5BK	