

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 07 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 N2QT RK4FD VA3DX W4PK	S59Z W4TO	274 G3TXF K1ZZ KF2O W6UB	266 G4OBK K8PT NR1R R3LA W8TE W8XD	259 DF4PL F6GCP G3ZSS I1FQH R9FM
293 N0TB S58T		280 EA6NB SP6HEQ YO3APJ	273 IK8HJC JA8ISU K2CL K5BG MD0CCE RA3DA SM6CCO UA3DPM UX1AA	265 AA4V AA6YQ AA7A K4XP RW0LT SV8BHN YO5BRZ	258 KW9A N2NL N5KD RN3CT VE3QAA
292 G4BWP JH4UYB JR2KDN OZ1BTE SM5AQD SP3IBS SV1AOZ W3YX W8TOP	286 DJ2YA IK1GPG K3SX N3SL PA0WRS UA3AB UT7UW W8AV	279 IK4DRY JR7VHZ N2TK N5DG SM6CNN UA6MF			257 K1GUN N8TR W9YSX
291 9A7V IZ0AEG KD9SV R7NW SM3NRY SM6CMU SP3E UA3LAR UT7UJ W5ZN	285 G4CCZ HB9BGV UR5WA	278 DK0EE F6BEE IK6DLK JA3FYC K5DU KG4W RU3FM	272 9A2EU CT1EKY DL1DUL DL2OE OH1LEU SP6CIK	264 IK2YCW K7ZV W1GL	256 9A5CY JA5BZL JH1GZE K1QX K5VRX K8FL PA7MM W1TSP W3DF
290 UA3AKO	284 K5XI SP3DV	277 AA4MM DJ9VA F6AOJ HB9AMO IK5BAF ON7TK SP9DWT	271 EU7A G4GED OZ1CTK SM5KNV	263 IZ1ANU K9OW KX4R LA5IIA N3NT W2SM W3AP	255 IV3ODE K4QL KY7M N2MF R5AJ UX0FF VK4MA W3KX W5OZI
289 I5NPH JA3ONB K0KX K4WM N8DX RX4HZ US4EX	283 DL7VEE JA5EXW JH4IFF K4SO N7NR NA0Y NO3M R3OK SM6DHF	276 DK5WL G3LZQ N8RR N9IW OK1AWZ VE2TZT	270 AA1V JA5AUC OE5KE	262 EI7BA G0DQS IK5HHA KR9U W1YY	
288 PA3GCV SL0ZG SP7VC UA4LY US5WE W0JX WK3N	282 DL1YD I0WDX K8KS K9CT N2LT SM6CTQ UY5ZZ W0BV W2YC	275 9A1CCY F5NBU I2AOX IK4CIE K2UO K4IQJ OH3BU SP5CJQ SP6AEG UW2ZM	269 K6ND KD5M LA3MHA RV3LO W1ZC	261 9A4T DL9YX K2EK K5KC N6SS NO8D SP1S SP5DIR	254 N0AT OM3DX WA4FFW
287 CT1APE DL1RWN	281 DF2PY HB9BIN JA2PJC K1CP NJ6P		268 DL5DSM G3WPH RA3XDX SP9JZU W1MK	260 EA5BM K1LT K4DY	253 5B4AGN AA1QD K5ESW S58Q UA1OMS 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 G8VR JA5MHD K0JUH K1FZ K1ZG K9OT KA9CFD LA2XPA UR5MID VO1NA 239 JR3GWZ K0KT K1DG K1HTV KH6AT LY3UM NV9L RN3QN RU3QR SV1ELF SV1RK 238 DL8WN EA6ET 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 232 DJ5FI EA1N JA8EAT JG1ULJ JH1HGC K2AZ K4XL NI6T UA3AP 231 4X4NJ HA9RE IK0YUT N6AR N7NG ON4ACG W9IXX	230 DF6PB FK8CP JA1CMD KD0Q N8JV SM3NXS W4GF W4VQ WA7NB 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 K8ZTT N5AW N8PR N9BX SM0CCM 221 JA2WYN K4MWB K8FH K8SIX
---	---	--	--	---	--

N6VR W1ZK W6JRY WS6X	N5UL OE1ZL RZ0AF W0GJ W6XA YO7LCB YU3AA YV1DIG	N1ZZ N4MM NX0I OZ1AXG SM5CZQ W1ECT WB9CIF WS9V	207 IZ8FWN K1DT K1LPS K3JT K8EUR N9AU* PY2BW W0LS	203 JA2XYO JE1PNX K4XO K9MMS KK2I OH1TV PA0A R6AF W7DO W8GC	RW4NN RW7M UY0ZG W0DD W0MHK W1NT W2IRT W3GG
220 AG8B DK2NG HB9LCW HL5IVL JJ3PRT JR4OZR KA1R N1LN N5JR VE3EXY	215 AD5A K3JGJ N7JW RA1QD W0UO W2LK W6YI	211 EA1RT IK4DRR JA4DEN K3WA RU3SD UR5FEO WA5VGI	206 IK0IOL JA3PIS K2VV K5AQ K5MC K8AC KG9N N8DJX PY2XB SM6BZV US0KW VE3BW	202 AA5AM DL1MGB DL2KQ DL9DRA JA2JNA JA3CSZ JA5AQC JH3VNC J12KXK K2NV LY1G N5ZM N7KA OK1DOT R9TO RA3S SM2OAN UA9FAR WA2HZO ZL3IX	199 DK2LO G0BNR HB9DDO JA2DPC K6GXO N4DW W1TO YO2DFA
219 IK3VUU JA2FBY JA2FJP JF3KON 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 K3LR KA9FOX LA7HJA W8UN WB8ZRL		198 DL1ROJ G3UJE G4BUE IT9JNR KB8VAO RX3APM W8HB
218 DJ4PI DK0PM IK1YDB JA8CDT K0EU K5UO KV7K UT4MF W5PJR	213 DF2IS EI3IO HA1RW JA2IVK JF6DSZ K1ST LA4GHA LA7JO NA2M* RU4SO W0LYI W1FJ W2WG W3YY	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		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	208 G3NSM I4LCK JA9FPI JF4VZT K2FU K5RT N5ORT RU3ZX UN5J UY1HY W6PJ W9EWZ		201 CU2DX DL1EJA JF1PUW JO7WXN K3HP N4QS W5TCX	
216 JA6LCJ JA9PPC K5EJ N4PQX				200 AG4W G0OIL JA1GTF JH2RMU K1GE K1GG K9US K9YY LA5YJ	196 4Z4DX AA4HP IK4PLW JA3RAR JA4PXC K8PO KP2A ND0N RA9CMO

RZ4FO	JH1RFR	N8LJ	183	N2PK	JA9NLE
W2FCR	K3FN	RM0F	CT3MD	OK1MG	JS3CTQ
W4UM	K4FJ	W6SR	IT9INO	S57UN	K4DLI
195	K5XX	W8JV	K4CN	SM4DDE	K5GKC
EA3JL	K7GM	WA3C	K8VC	SV3FUP	N7IR
EA5RM	K9EU	WA6YEE	N9MB	W8KEN	N7XR
G3ZEM	KF7PG	187	NN2L	178	PE1L
JA1EOD	N4DB	AJ1H	ON6SAS	4Z5CX	SP1MGM
JH1QAX	OH2IS	K0SR	W2FP	EA3CJ	TF3SG
JN7FAH	W3UA	K6SRZ	W8NW	JA4MRL	VE3FF
K7SO	W3YQ	KN5O	182	K2UR	WX0V
K9RT	W8LGJ	N2NS	DJ9ON	LA0FA	174
KF8UN	191	OK1CZ	DK3UA	NE0U	4Z5MU
N1SV	JA1ANR	SM0NJO	HK3W	SM7DLK	JA0GJJ
NK1K	K0JGH	W7AWA	JA1SHE	SV1JG	JA1PPW
W5ZG	K8FC	186	K8RRT	W6NWS	JA2XW
W9OP	K9LA	9A8A	N3OC	W7MEM	JA7MOL
194	RK2FWA	IK2QPR	UR3EO	ZS1LS	JF7DZA
K4KDX	190	JA8DNV	W1YM	177	JK1OPL
K9JF	IZ8XQC	K0BJ	181	9H1SP	JR6PGB
KB9LIE	JA1DUH	K3PA	DK3WW	AE5E	K0TT
KC9ARR	JA1MCU	K7LAY	JA3ENN	CT1GFK	K1KI
LA7AFA	K2TE	YL2TW	JN4MMO	IK4ADE	K2KA
W2LO	K9KU	185	K2EP	K3WC	K3AJ
W4FC	KM1D	AB6QM	LZ2ZG	K4RG	K4TR
WD8JJA	N4XU	CT1EAV	VE3OSZ	K9NU	K4WS
WN6W	N5GH	EA6BF	W9AJ	SM6DHU	N1EN
193	NE1B	G3KWK	180	W2OR	OE1WHC
DF2GH	SP2LNW	IK3SWB	DM2DXA	W5LT	RN7F
DK1FW	VE7VV	JA2LCP	DM3VL	W7FI	UA3LNM
DL5ZB	WE9R	K5ZD	EA8JF	WB7B	W8UV
DL6ZXG	XE2X	LA3WAA	JA2BDR	176	W8VVG
EA3WD	189	N4TJ	JE2URF	EU1AB	WT8C
HA5BSW	9A2F	N5UR	K6SSS	I6FLD	173
JA0EOK	EA8PP	OE2BZL	K7BG	JA0DET	5B4ALJ
JA1XEC	FM5CD	SP3FAR	LA9AJA	JA5IU	I1JQJ
K4ODL	JA0VSH	SV1DPI	N1RR	JA6BJV	JA9TWN
N5LZ	K0BBC	UA9CBO	N4AH	JA8KSF	K1NTR
N9EN	SP7HOV	184	ON5FP	JL1SAM	K4XR
PA0LOU	UA7T	HA5WA	UT2UB	K8MN	K9YC
RN1ON	188	JA2ZL	W1RM	N5OK	KA1J
SM7GIB	AA1ON	JF1NZW	W7BEM	OK1DWC	N5FG
UA0CA	AB4IQ	K4HGX	W8TN	RL3FA	PY5EW
W9MU	CT1FMX	K5KLA	179	SM5FUG	W8HC
WA2VYA	JA1KQX	KB4ET	CT1FPQ	W4BP	172
192	KB0EO	S57AC	IT9ELD	W4GD	EA7TV
9A2NA	KB1EFS	US8UA	IW0SAF	YO7NE	G0BLB
CT1IUA	KE9ET	W2YJ	JR7BDQ	175	G3NKC
JA7JWF	KL0S	183	K8WK	JA1CHN	IZ5MOQ
					JA3FGJ

JG0CQK	UY5AA	K4PB	162	159	156
JG3IWL	W6RW	K4ZYY	4O3A	JA4FKX	AB9V
K0DEQ	W7YAQ	OH2BLD	9A4W	JH6QFJ	DL4MM
K1BD	WB3JFS	RM3DA	F3AT	K4RO	IZ8IEV
K6FG		W0DJC	HB9TKS	OK2ZV	JO7HAM
KJ0M	168	W1RR	JA6GIJ	UN7JX	K0QC
W3JX	G3MXJ	W8ILC	JR5JAQ	W3HKK	K8YSE
W4FQT	IK2EGL	WA8TXT	LB6KC	W6BJH	KS1J
WC4X	JE7JDL		N8MR	W7SX	N3RC
	JF2UPM	165	RW3RN	WD5BJT	N3UA
171	K4XD	DL7UCX	W0HT		N7WS
AA9D	K5QY	F6HDH	W0TT	158	OE5RLM
DL6KR	K8RYU	I2ZGC	W1LW	DJ4PT	UA3SAQ
G0EHO	KR4F	IK0AGU	W8WEJ	DL1FKA	VA3LX
HA9PP	N4QQ	JE7RJS		IT9DSZ	W1YIF
JA6HUG	N8BJQ	JH7CFX	161	JA9APS	W4TV
JR1TNE	PA7F	K5JZ	DK2GZ	JH1TWT	
K1NU	SP5GH	KK4CB	DL6RAI	J11FXS	155
LA5LJA	W4SVO	N4HB	HB9DHK	J11NJC	DL1RK
N0RN	W6VX	N9FN	JA1DOF	JR1GJP	DL4SZB
N4OGW	W8OI	NY0V	JH4ALY	K5TT	JE3GRQ
N7RO	WA0MHJ	RC9F	JH4CPC	K9GA	K2LS
N9RC	WA5YNB	SM4CTT	K1USA	OZ1HX	K4WA
RA3DNC		SP6EQZ	K5GO	RU6M	NE0DX
SV1LK	167	W5BN	K8ND	SM4EMO	NW7E
UN9L	DK5AD		LB2TB	W0SZ	SM6VR
WA9PIE	EC3A	164	N4GN	W1OX	WE1P
	EI6FR	GU4YOX	OH6RA	W2XL	ZS6EZ
170	JA6VQA	HA7UW	VK3HJ	W3GQ	
DJ6TK	K6KO	HB9BZA	YU2TW	W4QN	154
JA6JPS	K8NK	JA1RTX			3V8SF
JE3ENP	K9MBQ	JA7ZP	160	157	GM3PPE
JF1WPB	N0IJ	JH2SON	AD5Q	AA4H	HB9BUN
JM1GYQ	N3BNA	K1NJ	DK1WB	AC6DD	JA8NFV
K6ZZ	PA3C	N5WA	DL1DA	DL6MRS	JR3OEH
KI5BLU	RA1AOB	RA3ZH	IK0FUX	EA5BY	K0KVR
N4PY	RN9N	RN3OG	IW2FND	G3TQZ	NX8Y
SP3GTS	S51EC	SV2AEL	IZ4DPV	G4GIR	W1NA
SV3KH	VE6WQ	W4DKS	JA2EPW	JA1GHH	W2XI
W3IP	W1YW	W4NS*	JE2OVG	JE2DZC	W5DNT
W9EVI	WA4LOX		JF2XGF	JH2QMT	WB0TEV
WA3AFS	WC5N	163	JR7MAZ	JH7IAJ	WS7L
WP4U		9A2JK	K3MSB	LY5A	YS1RR
	166	DJ9HX	NR4M	N5MOA	
169	4Z1UF	JE2LUN	RU6L	NE9Z	153
IK0PEA	DJ4SO	K7NN	UA0FZ	RU4UR	AA6AA
JA1ADT	HB9FMN	K8TL	UX5UO	SM3PHM	AJ9C
JE2LPC	IV3TDM	UR4CWQ	W1BR	SV8ZS	DL3ZA
JR1IZM	JA1FNA	VE3CFK	W5XC	W2TA	G3TJW
K1LI	JA9LJS	W7AL	W9RN	W5GZ	HL2CFY
N4XX	K1KA	WW3S	WX0B	YV2IF	JF1IRW
N7US	K3KY				JR9OPJ
UT8MM	K4JLD				K7SP

K8VFB	WP4G	N2WB	SM3DTR	K4WZ	W8GNM
KR2Q		NE3F		KK1W	W8LWU
N4TV	150	W5FKX	144	LA9VFA	WO2T
N5TW	EA1AF	W9JJB	CU3EQ	MM0SAJ	YL2MU
N8II	IV3RAV		DL5CW	N7QT	YO9FNP
R9OK	JA2NQG	147	DL5KUA	NA4D	
SM6CLU	K0RS	EA3GP	E70T	NQ7R	139
SP5CCC	K5TR	F5PAC	EI6IZ	NY2NY	DF7EE
UT5UY	K7LV	IV3VBM	GM3ITN	OK1DO	DJ4XA
WB8BPU	K8AJS	JA1XQC	HB9BYQ	W2OO	DL5EBE
	KD0PO	K7HP	I5MXX	W5LUA	DL8OH
152	KU4XO	K8UT	IT9GSF	W5VQ	JA1TMG
EW2A	N3QE	KM1H	IV3DXW	WA5POK	J1DCW
HB0CC	N9CO	N1IBM	IZ4GWE	WB8CQV	K3ANS
JT1CO	OE8SPW	PC3T	JA3GN		K6AM
KQ4AV	SQ5EBM	W1OP	JE1FQV	141	K8GI
KS3F	SV1CNS	W2KKZ	K0VSH	AC9S	K8RF
N9OY	UA6YW		N1IX	DL5MHQ	KA8SYV
S55ZZ	W6DAO	146	N3KK	EW1BA	KU0A
UA6IGI	W7CT	EU4A	SM4OLL	HB9FMT	LA8WG
UN7LZ	WW2DX	G4FTC	SM5CLE	JA1PTJ	OH1JP
UT5AB		JA1HQG	W4GE	JA2ATE	OK1MP*
VE6LB	149	JA4DHN	W5ADD	JA9RRH	OK2QA
W1SKU	DL7CX	JA5XAE	W7ZI	JH1HHC	SM5CBM
W1VT	HB9HFN	JH1GNU	W8RLS	JL1UXH	SV8ZC
W6RLL	IK4FNF	K1CA	WC5M	K2RW	W0SD
W7AJ	JA1SVP	K5KV	WD5T	N8OC	WA8WV
WB3CQM	JL1ARF	K5SM	YO3CD	NJ3K	
	K3RA	K6NR		OE6VIE	138
151	K3TN	K7WP	143	SV3FUO	DK8MCT
AA7G	K4YYL	N7BT	DL1DUO	W2CG	DK8YY
CU2AP	K8ME	RU0SN	DL6EN	W3BW	EI9FBB
DK2OY	K8ROX	W1IZL	HS0ZEE	W4JVN	F6DDR
EI9JF	K9MK	W1ZT	K7CMZ	W4VIC	IK8EPC
F3SG	R8TX		K7CW	W4WT	JA3OOK
HB9SLO	SM6CUK	145	KJ9C	W8HW	JF3LOP
IZ3ENH	UW7UA	AF4HX	N2RJ	ZS1C	JH7RXU
JA2VQF	W0GG	HI3T	N2WM		K1RO
JA6BEE	W2/CT1GIF	I0JBL	N5UW	140	K2RET
JH1NYM	W7HPW	JE6TSP	N6PAT	9A1CAL	KJ6P
JR1XIS	WB8B	JJ3HGJ	N6PSE	DF2RG	LB5WB
K2AX	WD5K	JK1AJX	NN4R	JR2LJO	ON6AA
K2FW	WS5W	JN1BMX	W0IZ	K5WK	OZ8X
N5JB	YO3DDZ	K1OA	W6QUV	K6KLY	RW4CY
OK1ATP		K3VAT	WB8ZRV	KF8DX	UN7JID
RD3A	148	K4OY	WD9DZV	N4XP	V51B
RU3A	CT1FCX	K8BL		OH6NIO	W1GD
S54A	DK2CC	KF6HI	142	ON7DR	W2YE
SP7AWG	F5CQ	N1CGP	I5HOR	UN1L	W4YV
SV9AHZ	F5LVL	N4GG	IT9BLB	VE6SV	W7OM
W7RH	JH1QDB	N5XZ	JH0BQX	W0SEI	
WA1Z	K5VWW	NA5C	JR7WFC	W4NU	137
WA2BCK	LA6OP	RT0F	K3PP	W7IV	DS1JFY

EA1YO	RN3RQ	132	130	K3XA	IZ7EVZ
GM3YOR	SM3LGO	AA4NC	DF9ZW	K4JAF	JA1XCZ
HB9RYZ	SM5CZK	AB9M	E73M	K4SE	JA7KY
IZ0RVI	SP3XR	AD6W	EI2JD	K6LPO	JH3CUL
IZ2FOS	W1DIG	IT9RDG	G7VJR	KG7CW	JJ1DWT
JA3APU	W1EQ	JA2KVD	HK0HEU	N5KM	JN1RQV
JA4OK	W2GD	JA6CBG	JA2FBC	OH1ZK	K2ZD
JH4JNG	W4BUW	JR6FC	JG1DUZ	OZ1IKY	K4JKB
K2QMF	W4MBD	K6YUI	K2MYR	R9SG	K4XU
K6EME	W4RFZ	K9ZM	K3NK	S53X	LB7ZG
K8NS	W6JTI	N6HY	K6SIK	S55DX	N8NA
LA9GX	WE4S	ON4CAS	K7LFY	SM3GQP	OK3CQD
RA3CO		OZ2RH	K8BCK	SV3DCX	PA3EWP
RG7G	134	SM4BZH	K9GL	US8UW	PA5TT
UU1JA	CT3HF	SM6BGG	NA4EA	VQ9LA	VE3CX
W1ITU	IK4DCS	SP6M	NO9E	W2WC	VE7BV
W5ODD	JA7LGE	VE3CRG	OZ2ABI	W4IS	W8MK
WB5JID	K1TO	W4AXL	PY5EG	W6RKC	W8REW
	K3OX	W4RBO	R3VA	ZS1A	W9ILY
136	KX4TT	W4WM	R5QA	ZS6UT	WB0O
E72U	N9MR*	W5SL	R9AB		WB2REM
ER0FEO	N9RS	W6DR	RU1AO	127	WD4LBR
HB9IQB	NA5DX	W7AH	SP6JIU	CT3KN	YU1EXY
IK8CNT	OE1TKW	W7CD	TA1CM	HK1MW	
JH4HMG	PY5HOT	W9FR	VE3DO	JA1DDH	125
K0TV	RG6G	WB3D	W2MPK	JA1WLO	9A1AD
K4ZO	RX4HW	XE2S	W9ZT	JA8RJE	AG1A
K7TM	SM0BYD			JA9KRO	GW3TMP
KR6C	SV5DKL	131	129	JH3AIU	HK4SAN
N2ZN	UA0ACG	DK7YY	HA1RB	JS2LHI	IK5DNF
OK1DW	W4JKC	G3UHU	HB9AZZ	K0RW	JA4IYL
SM5OJH	YU1AM	HS1NGR	JA1NWD	K3TRM	JA6VU
SP2BMX		IV3KFB	JA8JO	KM3T	JE1TSD
UT3UZ	133	JA0AOO	J14POR	KM4NS	JE6UWU
UW8SM	9K2NO	JA2TBS	K4TT	N1AC	JF2WXS
W2OIB	EU1U	JH4ADK	K6XM	N1GC	JL1RUC
WB7QXU	HB9CQK	JJ1TEA	N0YY	OE8HIK	K1HAP
	IZ8DFO	JM1FHL	N3KS	S51NM	K5KG
135	JA7GLB	K1UU	N3RR	SK7AX	K8DV
5B4MF	JA9AGN	K5VIP	W0YVA	SP6A	KA6BIM
DJ9ZB	JR7FRW	KC2LSD	W7QHE	SP7ASZ	KI4WCQ
F6FXU	K1ZN	KH2L	W8MET	W0CP	LZ1XL
IK8GYS	K2CDJ	KM3V		W0RT	N2KA
IU0HDC	KS4YT	KM4H	128	W1OPD	N3EN
JA7LMZ	KU2A	N3MK	AA4SC	W3BG	N4JT
JA8BNP	OE1KM	N4QWZ	DM2RM	W3MF	N9RD
JA8JL	RA5BM	N5PHT	IT9ZZO	XE1KK	ND5S
K1ZE	RV4LC	N6RK	JA2AHH		NW6S
K4ZRJ	UQ2PZ	ON4ON	JA2KSP	126	OE1AZS
K7FL	VE3WT	R0SR	JA9AA	DJ8WD	OE3SGU
K7XB	W0NFL	R9MJ	JE1LFX	DL9FCY	RA0BA
NZ9R	W2QO	R9SA	JH4GJR	F8BPN	UU7JM
R7LP	W5AJ	W8DCH	K0FF	G4IUF	VE3UTT

W5DAW	W1AO	W6XI	DK3GG	RN3TT	HA7PF
W8LMG	W4NF	W9XX	EW4M	SV9COL	IK0EIE
W9CG*	W8NJR	W9YE	G4DJJ	TA2RC	IK2OHG
YO2RR	WB8K	WA1PMA	HB9AAQ	VK4CAG	IT9TQH
124	WV4TN	WY1G	HB9BCI	W1KSZ	IV3HYD
AA7XT	XE1H	XE1VIC	I2TZK	W4DAO	JA1WTI
IK3VBB	122	120	I4MKN	W4NJ	K1DC
J11DHY	BA4RF	9A5F	IU0LFQ	W5JMW	K1RI
KD4POJ	G3NDC	AC9EM	JA3AZD	W9FI	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	N8PW	IT9DAA	W1ENE
123	N3NR	JR6LLN	N9UA	JA1HQT	W1WEF
AB1OC	N9AW	K2BA	NT2A	JA4FM	W7GG
AC4TO	NN7X	K2HK	NY7T	JA7GYP	W7OEV
DL7JRD	OZ3Y	K3QIA	OH5NG	JA7IC	W8LRO
F4GTB	RD4A	K5JC	OK1DT	JM3GXU	WQ5L
G4WFQ	UU4JMG	K6FW	R6FFB	JR2UBS	115
G5LP	VE6AX	KA8ZPE	SV1ACK	K1BZ	AA5JF
HB0WR	W2TB	N4BAF	W0RX	K2BB	C6AGU
IK2CHZ	WA3I	N4LR	W4HZ	K6PJ	CU2CE
IK3XJP	WA7BNG	N4TB	W8FIB	K8OOK	DL9GOA
JA0CRG	121	N4TL	WC2K	K8QM	G4XEE
JA1SJV	AA6RR	N4UFP	WP3R	N2BJ	G8BCG
JA3MHA	DF1DB	OE3EVA	XE1RCS	N4IR	G8DX
JA6WJL	DK1EI	OZ2A	118	N6MB	HA5UK
JK1EXO	DK6CQ	PZ5RA	5T5PA	N8AA	HK3PJ
JR1EBE	HB9DHG	RL3BZ	AB2E	N8XI	IZ7JVR
K2PK	IK2SGB	SP7ITB	DL5OCE	NY4G	JA2KNW
K3XO	JA2HYD	SV1IW	JA4FHE	SM7BIC	JA3NHL
K4ZIN	J14WAO	UR5IKN	J18DGO	SP8HKT	JA5FDJ
K5GH	KD8RQE	UR9QQ	K3FRK	UA6J	JG3LGD
K7UT	KG9Z	US0YA	K3WGR	UB3A	JH1RFM
K9CS	N0OK	W2YR	K4CNW	UR9IDX	K0GD
KV4T	N1JP	W3OA	K7PI	US1CT	K0SD
N2ED	N3ND	W4PRO	K8LN	VE3YF	K4CMS
N4DWK	N6HC	W6RFL	K8WVA	W4ZRZ	K4GHS
N6MZ	SV1AHX	W7RN	K9DR	W6SL	K4GK
N9JV	UQ1GWW	WT4Q	KD2T	W8ZR	K5XM
N9LQ	UT4EO	ZL4AS	KD6UO	WA2USA	K8YTO
NA2P	UU2JQ	119	KG8CW	116	KO8SCA
NA9RB	VA3AYA	AA3AZ	KV4AA	AA8CH	LY4T
S50B	W0QQ	AA4DD	LZ2HM	AJ4F	N0IRM
UA3DK	W2GG	AE3T	N2MM	DL7URH	N4OA
UT3QU	W3RJW	AJ4A	N4DJ	EA5BRE	N5BO
			PY2PA		N8KOL

PA3AXU	DL8DYL	EI8IU	DL1HRN	IK5RUN	K5KPE
RZ6MJ	G4AFJ	EW1DO	EV1R	IK8UHA	K6MW
UA1ANA	HB9EFK	G3XGC	F6ECI	IZ0CKJ	KE1F
UA1CGS	JA0GCI	HB9CEX	G4DBN	JA7EPO	KZ5DX
UA6XT	JA1OVD	HB9CRV	HL3GOB	JE2UFF	N1BZ
UN6T	JA4ITW	HB9G	JA1AUD	JH1VHU	N2WLG
W4UCK	JH1ORA	IK2ANI	JA1FGB	K1EO	N7TY
YL2CZ	JH3GCN	IU8FRE	JA1NCZ	K2BLA	N8NN
	K0TPP	IZ4DIW	JE2EHP	K3JRR	ND4V
114	K2HAT	JA1SXR	JE8TGI	K3PH	NN4RR
BA4DW	K8SL	JA4BXL	JF2WGN	K4WW	NU4I
BA7IO	K9GWH	JA7BXS	K5WAF	K6MI	NX7U
CT3FN	KA4RRU	JR7TEQ	K7ORK	K6VKO	PY5CC
CU3AK	KH6DX	K0JPL	K9AJ	KB4MRX	RW4UU
DL6NB	KI0G	K1EDG	KM1R	KC2STA	RW9QA
F6CWA	KT1J	K1KO	KZ0X	LZ1PM	RX3AGD
G3SDL	N7KO	K4UAS	LA0CX	N2CG	TG9NX
HP3TA	N9ISN	K8CC	N4WJ	N3HBX	UB5ZAL
I5OYY	NA3F	KB2FCV	N7BD	N3IQ	UT7KF
IK7YZG	NG0G	KI4DLS	N9HF	N3JB	VU2CPL
IW0HEX	NI5F	KM1C	NA1DX	N4KE	W5WP
JA4KDT	NK5B	LA8HGA	UR6QA	NC6K	WB5TUF
JA5WIZ	ON5UE	N5ZC	UT1UY	NK7C	WN0L
JH6WMJ	R7NA	N6MA	VE6KC	NY4I	YV3AGT
K1RV	RA4UN	N6PE	VE7CT	RD9M	
K2DC	RZ3AUL	RU4SU	VE7UF	SM5BHW	108
K3MD	SM5ARL	SM3DMP	W0VHF	SP9WZS	AI2Q
K3NF	SP3EPG	UA1ACG	W1FO	SV1VS	AL7R
K3OSX	SV1FKZ	UA1CEI	W3FOX	UA3O	DL6CNG
K5CD	SV1JFV	UT6UD	W4HOG	US7MM	ER1LW
K5RJ	SV2AVP	VE7XF	W4OX	W0UY	G3VAO
KB8U	UN7TW	W1HEO	W5AQ	W3XY	HB9BAT
KZ4V	VE3KI	W2CVW	W7VS	W4DC	HB9FAN
N1QY	W2GW	W2SKI	W8KA	W4NE	IK0PRG
N2JJ	W6BK	W3MR	W8MIL	W5ZPA	IZ0BTV
N3MN	W8FAX	W3UL	W9RB	W6KK	IZ2EWR
N4IQ	W9DX	W4VHF	WA2BOT	WL7E	JA2MOG
NU8Z	W9HBH	W5VX	WA2MUA	XE1FAS	JJ2PIK
UA3FT	W9VNE	W6TC	WB4TDH	YU7AU	JK1MZT
W0VX	WA4DOU	W8GEX	WB9EEE	ZL3NW	K1EP
W4TUN	WB2HJV	W8HMK	YL3DQ		K1XM
W5VY	WB2UFF	W9SE	YO6HOY	109	K2CJ
WA1FCN	WS4C	WA8OLN		DF1KG	K2KQ
WA8MCD	WX3P	WT9U	110	EA3GHZ	K2MK
WA9YYY	XE1RBV	ZP6CW	BA4MY	EU4T	K4WY
WN9O	ZL1BYZ		DG7RO	F8EZE	K4YJ
XE3ARV		111	DL1VDL	G3SVD	K6UT
	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

N9SF	N3DAP	K8JJC	JA9APM	CX3CE	UA9FGJ
N9TF	N4RF	KK8X	JF1RYU	DK3BK	US5CAO
NU4Y	N6EE	KK9H	JO4CFV	DL4FAP	UT4EK
PA0ZH	N8AGU	KP4AA	JR1BAS	DL7UPN	UT7EC
R5FY	NA5Q	KQ3F	K1DJ	E73D	UX4UM
R7LA	OE1CP	N0JZ	K2XF	EA8ZS	UY0MM
RX6DX	OK2BUZ	N2CW	K4MS	EI9E	VE3VHB
S57J	OK3CQR	N2SQW	K5AV	F6AJA	W0YBS
SM6AOU	R0FA	N3XM	K7OX	F8GB	W1QA
UX7UN	RN4AA	N8AID	K7PO	G3BRD	W3DRY
UZ6LWZ	RV6ARZ	NA5Z	K9RO	HB9CIP	W3TMZ
W2UB	SP3BQD	NI5M	KI5T	HK3O	W5CWQ
W3NRJ	SP6AXW	NS3L	KT2E	IK0DWN	W5GJ
W4ZYT	US5CB	OE5CSP	KX2A	JA1SDV	W5ZO
W7ACD	VE3OI	OH2OT	LZ1JZ	JA2FGL	W6PH
WA2ALY	VK3NX	OK1AYU	N2DPF	JF1EGO	W7DR
WA4CEM	W3KB	OK2BVG	N4JI	JF6WTY	WA0I
WA8MOA	W6TDX	S57AL	N4NW	JK1BSM	WA0RVK
WB8BZK	W8IW	UR3CRO	N4PL	JO1WXO	WA9ETW
WC1M	W8VK	UT7UU	N4SC	K0WK	YC0LOW
WC6DX	W9CPV	UU5WW	N4VN	K1BG	YO5ODE
WD9EQU	WB6CJT	V73AZ	N6NU	K3FM	
WW1WW	WB8ART	VQ9SS	N7DR	K4KEW	103
	WS1L	W1CWU	ON7PQ	K4MF	AG1I
107	XE2YWH	W2EQ	OZ4AAL	K4VIG	AI3Q
4Z5LA	YL1XZ	W2LE	PF7M	K5HK	DJ1MM
DJ8ES	ZL3RJ	W2NO	PJ2/K8ND	K6UM	DJ3GZ
DK3FB		W3ICM	PY2DS	K7TJR	DJ7PI
DL1QQ	106	W4IR	R6YY	K9EA	DL2HX
DL2CHN	AA4FL	W5JAY	RA6AF	KA2BZS	DL8YRM
DL5XU	AE2U	W8OP	RD4WM	KH6KG/W5	DM5TI
DO4DXA	DJ6OZ	WA4MYO	SP5JXK	KI0KB	DS3HWS
EA5AT	DL2NOM	WA6TLA	UA6LCN	KW0A	EA7SG
EA7QW	DL3JSW	YL2GN	UR1RWX	LZ2XF	EU6MM
FG8OJ	DL6JZ	YU3EF	UR2RGN	N3ER	EW3LB
G4AKY	EA3CCN		VE1PZ	N3TR	G3BDQ
G4RGK	HA8DZ	105	VR2MY	N4GU	G4AAW
HI8R	IK0ZIO	DF2PI	VY2ZM	N4TTE	G4PUQ
I5IHE	IW3GJF	DF8AA	W1LE	N6PF	G4VGO
IT9XTP	JA1VLK	DJ3XD	W1LY	N6WM	I0OSI
JA5EY	JA2MNB	DJ6KH	W4OWY	N8MZ	JA2GQO
JA8JTH	JE6IGP	DL4ZAB	W5KI	N9DR	JA2OLJ
JH9DRL	JG3HBO	DL6XK	W6FF	N9PGG	JA3FHL
K0MD	JG5RVQ	DO1CTL	WQ5W	ND3L	JA8EJO
K3SW	JH2KKW	ES1GO	YU1NR	NJ9C	JH1DGQ
K3YBN	JH6PFY	G3YUV		NN3Q	JM2RUV
K4SAF	JJ0NCC	HA8FW	104	RA1QX	K0EOO
K8LBT	JR0EQQ	JA1BWA	9K2OD	RU3UR	K2UVV
K8ZR	K0DEW	JA1TAA	9M2AX	RZ6DX	K4LQ
KB9DAK	K1PX	JA4EVN	AD1C	RZ6LB	K5JUC
KE2R	K4DSE	JA6VA	AG4Q	SM5CCE	K7BTW
KZ1W	K5AM	JA7BME	AH0U	SM7CQY	K8CCV
N2RR	K5ZQ	JA8RRF	CP8HD	SO5AS	K9MUG

K9XJ	EI6GF	W1MRH	K6AAW	VK2GR	JA1CPU
KE1IU	ES5RW	W1PV	K6XJ	W1AW	JA1ILA
KJ4R	F6BWO	W2LW	K7AR	W1FC	JA4FSH
KJ7WY	FM5WD	W2TX	K7IA	W1GF	JA5DQH
KM9E	HB9AHL	W3EKT	K8BN	W2SF	JA9CGW
LX1DA	I8LWL	W4ALF	K9JU	W3WH	JF3DRI
N0RU	IT9SFT	W5TO	K9PG	W4BUE	JH7BKN
N1HOQ	IZ4MJP	W7IUU	KC4PX	W4PM	JS6TWW
N9BBQ	JA0HXV	WA0IDK	KD3UY	W7AV	K0FLY
OH3GD	JA1JAT	WA1S	KE1VT	W7CB	K0LB
OH4UI	JA6OXT	WD8DSB	KE4S	W8GB	K0XM
OK1DQT	JA8OW	WS4Y	KF7NN	W9MAF	K1NA
OK2BQU	K0YN	WW5G	KN6J	W9ZCL	K1NZ
OK3BRK	K1PTF	YO2IS	KQ1F	WA3EKL	K1TZQ
OZ7JZ	K2LP		KS4XQ	WB3HLH	K2CBI
PA0GMM	K2TK	101	LA2GV	WC4H	K2CYE
R9GM	K3KG	AA2VG	LA6UL	WK9U	K3TZV
RA0FA	K4AQQ	AA3LX	LZ1XZ	WR2G	K4FT
RA4HT	K4KAY	AA4NU	N0STL	YO2CMI	K4KSY
RK3QY	K5ZO	AC2AC	N2AJ	YO2OXD	K4QS
RU3OW	K6DJ	AC5O	N5AQ	YO6BHN	K4UQC
SM3CBR	K7BHM	CT1JGA	N8AG	YV4DYJ	K7VIC
SM6EHY	K7UA	D44BC	N9JCS		K8BZ
SM7BHH	K8BHZ	DH2FW	NE1F	100	K8CR
UA3PFN	KJ6NZ	DK9WI	NX2X	9M6YBG	K8CS
US2WU	KN4KL	DL1KS	OA4TT	A41ZZ	K8LE
UT2AB	KW4BY	DL3ANK	OE3WQB	AA4AK	K9NZ
VA2ZO	KY6R	DL5JS	OH3TY	AB4VV	KB0EL
VA3IC	LA3ANA	DM3ML	OK1PGF	AC4VM	KC0V
VE3EDY	N5RZ	EA1WX	OK2BOB	AI2S	KC4D
VE3MFA	NZ3M	EU1TT	OK3EY	DJ6OI	KC5LT
VE3VV	OH2EA	G3ZFC	OK4MM	DL1TPY	KD8BZY
W0QC	OK1DTN	G4FJK	ON4LG	DL1TRK	KD9HL
W0UVC	OK1JDX	GM3WTA	OZ5HP	DL9GTB	KP4N
W1CTN	OK3CSQ	HB9NL	PA4WM	DU7ET	KQ5M
W4AVY	PA7TWO	IV3GOW	RA3AH	EA1CP	LA8W
W4MZ	PV8ABC	IV3KCB	RA4P	EA2AAZ	LU5OM
W5THT	PY2DO	JA1VVX	RA4SD	EA3ALD	LU5YF
W5VU	R2AB	JA2VMU	RB7GG	EA8AXT	LZ3YY
W6SZN	R3IS	JA6TMU	RK9F	EC5A	MM0SJH
YO7APA	RU3UN	JA7SFD	RY6M	ES5NC	N0AH
	S59DJK	JE1SYN	SM2DMU	FM5GU	N0ATQ
102	SM6WET	JF1RPZ	SM7NDX	G0VXE	N1KI
A6/RV6LNA	SP5MXZ	JH3HGH	SP7JLH	G3OIL	N1MD
CT4BD	T77V	JH3PRR	SV1PL	G4CGG	N2SG
DK3QM	UA1AIR	J13KDH	UA0FDX	GM3ZSP	N2XQM
DL3DXX	UA1CKC	K0LW	UG6GAW	I2VGW	N3AF
DL3NCR	UA6HOF	K1YR	UR7CQ	IK0HFO	N4CRI
DL4CW	UA9MR	K2BX	UT1CC	IK4MSV	N4ZR
DL4KUG	UA9UCO	K2TER	UT4IS	IS0/YO3RA	N7DED
DL5RDI	UW7CN	K3SEW	UT7HA	IW0BYL	N7TK
EA8AKN	VE2FYR	K4NNX	VE2OJ	IW0HQE	N8IL
EI4DQ	W0JMP	K5DNL	VE3XB	JA1BRK	N8NB

N8OQ	W5BK
N9ADG	W7DT
NA6O	W7JET
NB3R	W8CNL
NG7A	W8FN
NJ3I	W8GDQ
NN4SS	WB4SON
NU1T	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	