

ARRL DXCC - 12 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 28 Nov 2024, 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.

348 K2TQC	N6AR	I4LCK JA3FYC PY4OY W2YC W3LPL W9IXX	N4XM N8DJX OE6IMD SM5AQD SP3EPK UA6A W4PK WD5COV	N2LT SP2FAX UA4HBW W5BPT
347 K4CIA K8MFO N4WW SP5EWY W1JR W4DR	341 4X4DK DJ6RX G3KMA K5UR N2TK N4CC NN4T OH2BU OZ3PZ	336 AA6YQ G4BWP JA1WPX JA2JPA K1ST K2FF K4HGX K5RK N3XX VE3XN W0BV W2LO	333 EA6SX F6EXV G3XTT JA0EOK JA2KVD JQ3DUE JR3IIR K6YRA N4AH PY2BW PY2SP R7LV SM5CEU SM6CVX W1YY WB9Z	331 DJ9HX F6DAY HB9BGV IK8HJC JA1HGY LZ2DF NJ6P PY5HOT UT5UGR UT7QF W4DKS W5OZI W8UVZ W9RPM WB6RSE
346 N1DG SM3EVR	340 AA1V DJ9KG JA4DND JH4IFF K4UTE N0AT PA3FQA SP5CJQ VE3EJ	335 AG9S JA1BK JA4LKB JA5AUC JH4UYB K8SIX N0XA N5UR OK3GU PE5T SP8AJK W0MHK WK3N	332 AA1QD DF3GY DF4PL DJ8NK F6AOJ I4AVG JA0UUA JA2FBY JA4DLP JA5MHD K0IEA K1OA K3UA K4XP	330 DJ2YA DL1AMQ EA5RM EY8MM F6BKI GM3YTS HA5WA IK4DRY JA1ADN JA3EMU JG3QZN JL1UXH K3WC N4JF N5ZM N8JV N9IW NR1R OE3GCU
345 HA0DU OH1XX W9ZR	339 CT1EEB EA8AK IK1GPG JA1UQP N4CH N8DX SM3GSK	334 DJ9ZB EA4KD G0JHC JA5AQC K4XO		
344 JA2VPO K4PI OZ1BTE OZ1LO PY2XB SM0AJU VE1YX W3YX	338 JA5EXW K9NU SM3NRY W1DIG W7UT			
343 K3FN N4MM VA3DX W3UR	337 DL4MCF			
342 DF3CB JR2KDN K4DY K4MQG KF2O				

OK1MP
SP3E
VE3FF
YU1FW

329

AA7A
EI7BA
HB9BZA
I4MKN
IK5HHA
IK6DLK
IT9DAA
IV3JVJ
JA2JW
JA7KY
JE2URF
K0EU
K1HTV
K4ZYU
KD5M
LA5IIA
N5AW
NI0G
NO8D
OZ1CTK
SP7GAQ
W0DJC
WA1JMP

328

AA1ON
AA5AU
DL7MAE
G4OBK
GM3POI
IZ5EKV
JA6BZI
JH1GZE
JI4POR
K4CN
K4MWB
K4QL
K9CT
PY5EG
R4GM
SL0ZG
SP6CIK
W4UM
W5FKX
W5ZN
YO5BRZ

327

AB4IQ
DK5WL
DL2OE

HB9AMO
IK4BHO
JH1TWT
JI8DGO
N6JV
PY2YP
SM2GCQ
SP8NR
W2IRT
W5XX

326

I4EWH
JA7MSQ
JF1WPB
K8PT
LU2NI
N7RT
RA3CQ
RU3FM
RZ3AM
SP6M
SV1RK
W8DCH
YO9HP

325

CT1APE
CT1IUA
EU7A
JA1SJV
JA2FJP
JA5WIZ
JS2LHI
K0DEQ
K5EK
K9EU
OE2LCM
ON4IQ
SM4EMO
SM5CZQ
SP5DIR
SP9DWT
W6RLL
W9OP

324

DL5DSM
EA5BM
I0WDX
I5NPH
IZ0AEG
JA2DPC
JF7XKY
JH8RZJ
K5KC
N8BM

OE8HIK
R3OK
SM6CCO
W1RM
W9OL
WB4TDH

323

DK9KX
EA3GP
JA9APS
JE1SYN
JF1KKV
JH2FXK
JR3GWZ
KF0QR
N5TY
SM4DHF
SM6CMU
SP1S
VE2TZT
W1ECT
W3NO

322

CT1BH
EA5BY
G0DQS
HB9DHK
IK4GME
JF3KON
JH0INP
JJ2LPV
KU0A
KW9A
N1NK
N4DW
N4NX
N8RR
ON4CD
R7DX
SV8CS
UA3AB
UA4CC
VE1DX
W3LL
W5CIA
W5TCX
WI8A

321

AD1C
AD5A
G4CCZ
HB9BIN
JA0GJJ
JA2BDR

JA3AZD
JE2LUN
JH1IFS
JH3VNC
JH4ADV
JI2KXK
JJ3PRT
JR3OEH
K2UO
K2VV
K6FG
N3NT
NK1K
OE6MDF
OE8RT
OH2BLD
OZ1AXG
SM6DHU
UT7UJ
W8GC
W8OI

320

DF2RG
F5PAC
G3TXF
I2EOW
IK5PWQ
JA3PIS
JA4FKX
JR2LJO
K1LD
N4II
N5XZ
NY0V
SM5KNV
SP7VC
UY5ZZ
VE3EXY
W6XA
W7AO
YV1DIG

319

AA4V
FK8CP
JA1XEC
JH3CUL
JI1DHY
K6AM
K7NN
KV7K
N4DB
N4PQX
PA3EWP
R5AJ
SV1FJA

UA3AP
W3KX
W5WT

318

A45XR
AA4HP
DJ4AX
DL6KR
EA1YO
G4PWA
K2TE
K4IQJ
K5DU
K9IR
K9YY
KX4R
LA2PA
PY5EW
R3VA
RA7A
VE3LYC
W4FC

317

EA2IA
IK2YCW
IK8YTA
JO7WXN
K2RW
K6YUI
KA9CFD
N2BJ
N4QS
SP1MGM
W6VX
WX4G

316

DL5WW
GM0GAV
HB9HFN
JA2JNA
JA8EAT
K3WA
K4HB
K8YTO
KQ8M
LA7HJA
RV3LO
SP1JRF
UA3DPM
W7MO
W9ILY
YO3APJ
YO7LCB

315	LB8DC	R9TO	IK4PLW	K5WAF
9H1SP	N8KOL	RW3RN	JA0CRI	K7WP
AB6QM	SP3CGK	RX3AGD	JA6WJL	K7ZA
G3VKW	W1GL	UA4LY	JG4AKL	K9RX
HB0CC	ZS6EZ		JH1AGU	K9US
IK4DRR		308	K2UU	RL3FA
JA2IVK	312	DL2CHN	K5XI	RW4NN
JA8RJE	CT1DKS	IK0PEA	NN4R	SM2OAN
JR2BJE	DK1FW	JA1GRM	R9FM	SP7HOV
JR7VHZ	EA7TV	JA7IC	W9RN	SP7ITB
K8NVR	IK2QPR	JA9TWN	WB9CIF	W1SKU
KE9L	JA1SYY	JF8QNF	WD0DAN	WT8C
N5DG	JA1XCZ	JH1NYM		ZS1LS
N5OK	K1HT	JL1RUC	305	
OE3EVA	N5ORT	K0GY	A65BR	302
ON4AOI	RU3QR	K1AR	DJ4XA	DJ5JH
ON4IZ	WA2VYA	K4SO	JA1VSL	DJ9ON
PY2NQ	WB8BPU	K8OM	JA5XAE	EA1N
SM3VAC		KN5O	JA9CWJ	F5CQ
UX1UA	311	KS1J	JR2UBS	IU7QBB
WP4U	F3SG	LA7JO	K0JUH	IW1ARB
	JA2XYO	OE1WEU	K6KLY	IZ2AMW
314	JA4MRL	R7NW	K9ZO	JG3LGD
CT4NH	JA7JWF	SV1CNS	KG4W	K9MK
DM5EE	JH4JNG	VA5DX	PA5TT	SP2BMX
G3NDC	JR1BAS	W2QO	RA9CMO	W0VX
JA2AH	PY2XU	W9MU	SM3NXS	W4QN
JF1PUW	UR0MC	WA8WV	UT2UB	W7DO
JR4OZR	W8HW	WD9DZV	W1YM	WD4LBR
JR9LKE	YB5QZ	YS1RR	WA5VGI	
K1BD				301
K2LS	310	307	304	AA5AM
K5AQ	I3BUI	AC4G	DK5AD	AE5E
KB0EO	JA1ANR	DK2JX	EA6VQ	F4BKV
KC9ARR	JA6VQA	G0BLB	F2JD	HK4SAN
KG8P	JA7QVI	I5HOR	HB9DDZ	IZ1LBG
OE1AZS	JR6FC	IZ8FFA	JA1IZZ	JA0DIN
OE1ZL	K4EM	JA2XW	JA2ZL	JA1IOA
SM4DDE	K8FL	JA3GN	JF2UPM	JA1LSP
SV1DPI	LA7AFA	JH1QAX	JN3SAC	JA2WYN
SV1JG	LA9AJA	JJ3HGJ	K0KVR	K4SE
UA6MF	MD0CCE	K0KX	K8AC	K6RO
UT9FJ	N1IBM	K2SHZ	KC7V	K10KB
UX0FF	RL9F	K3RA	N7US	N9AU
YU3AA	SP6HEQ	K9MM	N9RS	NQ1K
	W0YG	NI6T	UY5AA	RN3QN
313	W4BP	NS6C	W5ADD	US5WE
5B4MF	WA7NB	OZ4O	W5XC	WB5JID
AA5AT		W2JU	W7CT	WE9R
AB3CV	309	W6ENZ	ZL3JT	
AB9V	DJ5FI	W7OM		300
DK2NG	EA8AKN		303	AA8CH
HK3W	JA1EOD	306	DL5EBE	EA1AF
JA5IU	K8QM	DL1KUR	EA3GHZ	HB9DDO
JR1BLX	NE1B	DL6CNG	G3LZQ	HB9SLO
JS3CTQ	NN4SS	G0OIL	HL3IUA	IK4ADE
K5BG	NU8Z	HA1RB	IK2RPE	IZ5RVG

JA9AA	296	K4JAF	W2LK	SM5ARL
K3XA	AA8OY	N2LM	W3OA	UN7JX
K8GG	EV1R	PY2IQ	W4VIC	W1VT
K8TL	JA1SVP	S55DX	W5VY	W4YCH
K8VJV	JA2VQF	W9AJ	WB9EEE	W7BEM
KB1JZU	K6FW	WA4FFW	XE2CQ	WA6F
PA3CSR	K8VC			
W5AJ	LA8PT	292	289	286
W6TC	N0RB	AI9L	AJ6T	AB5A
299	PY7DJ	DL5CW	DL9TJ	CT3HF
CT1FMX	RA3QK	EA5AT	IW0HQE	DL2VPO
DM2DXA	SM6BZV	G4GIR	JA8EJO	IK0XBX
EW2A	SV9COL	G8DX	JA9FAI	IZ8XQC
G3SVD	UA6YW	HB9TKS	JE2LPC	JA1QXC
HB9RG	W3RJW	IZ3ETU	JG0CQK	JA5BEN
HL2IFR	W9JA	JA1JAT	JG1WSC	JA7LGE
JA7BWT	295	K7ZD	JH1BAM	JF2WGN
JE1DXC	AD6W	KB8VAO	K4MS	K0BBC
JH1SJN	DL1DUO	N8II	K4XD	K1GG
K6SIK	IW0SAF	R6AF	K6ND	K1LPS
KM4H	K5ZK	SP5IWA	KK0M	K1RO
LA3WAA	KD3CQ	SV2AEL	N2NL	LU8EKC
N4TL	SP8HKT	W6SR	N7TY	RA0FF
SM6CUK	SV1GYG	WA3AFS	R0FA	UR5EDX
UA9FAR	W2GG	291	UN6T	W3GQ
VE3BW	W5LT	G0EHO	W9YSX	W6PJ
298	W6XK	GM0AXY	YB1UUN	W8AV
5B4AHJ	YO2RR	K3PA	YO2CMI	W8AXI
G5LP	294	K5VIP	288	285
HP2AT	EA6NB	KP2A	4Z4DX	4X6ZK
JA4ITW	HB9BOI	LA5HE	I1EIS	AJ9C
JL2JVX	HB9CEX	MM0EAX	JR1DUP	CU2DX
JR7WFC	JA1BPA	N2TN	KD0Q	DL1TRK
K2PK	JE1GWO	N4RWG	N6UK	DL2SWN
K8EUR	JE8CLT	VE3CFK	PY2KP	EA3GHQ
N8TR	JK1EXO	W6YI	SP9JZU	HL3GOB
ND0N	K5MC	ZS2DL	UA3AGW	IZ0RVI
OE3SGU	K7ZV	290	W1EQ	IZ8DFO
PY2VA	KZ4V	9K2OD	W1YIF	JA2FGL
SV2DGH	N0KV	AA4A	W2LE	JA2VMU
WB0TEV	R5DT	EC3A	W2NO	JK1GOK
ZL1BYZ	RU6L	I4KDJ	ZS2EZ	K0TPP
297	SV3DCX	IZ4MJP	287	K6GXO
AC0A	293	JA1KQX	9M6YBG	K6PJ
DL4CF	AA4R	JE1LFX	AA8LL	K9SM
DL7BA	CU2AP	JE2EHP	HB9BAT	OE1WHC
E73Y	DL1SMA	LA2QM	JA1WSK	WK7E
HL4CJG	EA3WD	LA5LJA	JA2ATE	284
IK5RUN	IV3YYK	LU3CQ	JA3EOP	EI9FBB
JE7JDL	JA2CXF	N9FN	JE2OVG	JG3SKK
K8GI	JA3RQ	PP1CZ	K0AZ	JH3SIF
K8WK	JA9GPG	SK3PY	N7IR	JN1BMX
KG7H	JH7RXU	SV3AQR	N7RO	OE5BWN
KT1J	JM1FHL	UN7TW	R9SA	SM0CCM
		VU2NKS	RM0F	SM6CTQ

SP3IBS
W2AY
W4FQT
W5ODD
W8BBQ

283

EA6ET
HB9CQK
JA1RTX
JA1XPQ
JG3FEA
JL1XMN
K3FRK
K3WW
K5DHY
K9NW
LA8HGA
LU4FPZ
OE8SPW
RA1QD
S57AT
W1LW
W6BJH

282

GM3YOR
JA1FQI
K5UO
LZ2JE
RD3AW
SM4CTI
UA0BA
W7AL

281

AD5Q
EA5OX
EI2GLB
F3AT
IZ8FDH
K3UL
N2WB
N5GH
N8SNM
W0LS
W7ZJ
W8TN
XE1KK

280

GM3PPE
HA5VZ
IK0HFO
JA2IYJ
JA6TMU
JF1NZW

JH4ALY
JR6LLN
K4WNW
PY2DS
SM5CZK
UT7UV
W8LGJ
WA9PIE
ZS4TX

279

JA0PE
JA9IFF
JE8TGI
JF2XGF
UN7LZ
VE3DZ
VE3EK
VK3HJ
W3JX

278

9A4T
EA8RR
F2NH
IV3GOW
IW1QN
JA8LRG
K0GD
K1USA
K2UR
K5RT
KD0PO
VE3CRG
W8MHW
ZL4TT

277

EU1KY
F5UJK
IT9CVO
JA3ENN
JA8EOT
K2AJY
K8UT
N5LZ
UW2ZM
VU2PTT
W3BW
WF2S
WT4Q

276

DK3WW
HB9LCW
IZ3ENH
IZ5BAM

JA7FWR
JA7LMZ
N5MOA
ON4CAS
RX4HZ
SM0NJO
SM5CLE
VE1JBC
W1ZT
W5GO
W9FR

275

HL2WA
JA2JRG
K1DT
N2JJ
N7KA
N8PW
PA7RA
W4OX
W9MJ
WO7R

274

DL6JZ
EW1KP
IK0AGU
IW0HOU
JH1IAQ
K3PT
K6UM
KA8ZPE
KJ6P
NA5C
OE2GEN
RA5BM
SV9AHZ
UA3ECJ
WN6W

273

CT1FCX
JA2TBS
JA6BEE
JH3GCN
K5PS
N4IG
OZ1ACB
RW7M
UR5WA
W1OPD
W4HG
W8RLS

272

AF9H

CT1GFK
E72A
EI9JF
F5PBM
HA9PP
HK1MW
IK5PWN
JA9FPI
JH0BQX
K7EG
K8BL
KI4GE
LA3MHA
OE5FIN
PA0ZH
SV1ACK
W1YRC
W2OO
W3AP
ZS1A

271

4X1RU
AA8R
I1FQH
IK2DZN
IZ8EJB
JA0DET
JE6TSP
JM1HJG
K3PU
KS3F
N6TA
N8LJ
NK0S
UA3TT
WA3C

270

CT1EAV
CT3MD
DK8MCT
DS1JFY
EA1KY
F9XL
JA8DNV
JN1RQV
K0BJ
K7UA
K9JF
N4QQ
PU2POP
VE6LB
W8HC
WL7E

269

IK8EPC
JA1OVF
JA1VLK
JE3ENP
JP1NWZ
K0KT
K9MBQ
N4UOZ
NW7E
OM4EX
PE1L
SM5FWW
W1MK
W4MAY
YB1AR

268

CT1FPQ
JA1NWD
JA2XCR
JK1TCV
K1DG
KD4W
N2AJ
N5JB
NA5DX
OH1ZK
ON6AA
SM5ENX
SM6BGG
W8QZA/QRP
WA1YTW

267

AA4FL
JA2QXP
JG8FWH
JI3CJP
JJ1TKN
KB1EFS
ND4X
R8TX
SM5BMB
SM5FUG
W1KSZ
W2FV
WB2BIN

266

7K1PTT
IZ8VYU
JH1HHC
K8AJS
K8ROX
KQ4AV
N4JQQ

PZ5RA
RA4CA
W0FLS
WB2GAI
WB3LHD

265

G3WPH
JA4FM
JH4HMG
JO4CFV
K2CBI
LB2TB
N5KM
N9JV
W7MEM

264

4Z1UF
DF2GH
EA1KP
F6DBX
JA8ZO
JR4LNG
KA1ERL
LA0FA
N1GC
PA7TWO
SV1CQN
VE6AX
W5PF
WA0MHJ

263

DK4TP
EA3CJ
EA4DL
HA7UW
HB9RYZ
HL4GAV
JA7XBG
JR8AMF
K1KO
K2KA
K6IPM
K8FH
KN6KI
N1RR
W2OIB
W3ACO
W6RS
WA4LOX
ZS6NJ

262

CT1BWU
CU3EJ

I5REA
IV3VBM
JA8BAR
JG1OGM
K8AV
KF2DT
LA9FFA
LA9VFA
ON5UE
W5ZG
W6NWS
W7LGG
W7QDM
W9PZT
WA3GFM
WB8ART
YB2DX

261

HB9IQB
IZ8IEV
JH3KAI
K2FW
K7LJ
N7BT
NK4L
NX0I
OM8FR
SM4AZQ
SM7CQY
W0GG
W4UCK
ZS6WB

260

7M4AOE
AB4SF
EA8MT
EA9IE
EC1AIJ
EI8IU
FG5FR
JA1KPH
JA2FBC
JA3WLN
JH3FUK
K1ESE
K8YSE
LY1G
N6MZ
NN4X
SK7AX
TG9NX
W8KEN
WA5LFD

259

4F2KWT
AA9A
DJ8NT
EW1BA
I5OYY
JA8BNP
K2UFM
K5VWW
NI3P
OH1JP
PY5CC
W7AH
W9HBH
WA1S

258

DK7YY
JA9AGN
JH1BNC
KH2L
N3VA
OH4UI
SA0AQT
US0YA
W1SSN
W9EWZ
ZL2IFB

257

AF4HX
BA4RF
DJ0UT
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EB3CW
IK2PZC
IK4AUY
IK8VRH
JJ1DWT
N6HC
N6PSE
PY2MC
RU1AB
SM7IUN
SV1VS
W8MET
W8MJ

256

BH4QYX
EC1A
FG8OJ
IK4HPU
JA0KJE
JA6GPR
JH1RGG
JH4GJR

JM1GHT
JM2RUV
K0TT
K1UU
M0TTB
N9ISN
W1KDA

255

AI6Z
EA5RD
IV3TMM
JA9NLE
JE2DZC
JK1OPL
K7XB
K9FN
KR4F
N1RK
N8OC
VR2XMT
XE1MEX

254

BA7IO
CT1BWW
DL1HRN
E72U
IZ4DPV
JA3VPA
JF2WXS
JH1VUO
K3SEW
KI5BLU
N4LR
UA3O
W7YAQ
WA0RVK

253

DS5ACV
G3UAS
HB9DHG
JA4VLK
JA6IVR
JA8XQI
JE2RDO
K6MKF
K8DV
KE1F
N7XR
NF1G
NT5V
UA0FO
WF4U
YB0COU

252

DL7UPN
G3KWK
G3NKC
JA1BNW
JA8UIV
JF3PNQ
JH1ACA
JH4CBM
JL1BYZ
K6BV
K11U
LA5YJ
N6RV
W2ZI
W7CA
WS9V

251

9A4W
AA6AA
DL2RTL
F1ICS
JA5BGA
K1SM
K4VIG
K8CW
LA6UL
N4SC
N5UL
SP6JIU
W2JLK
W3FI
W4SK
W5GAI
W8JRK

250

CT1DOF
EA3EQT
EI6FR
HA7TM
IK0UTM
JA8CJY
JL1MWI
JR0EQQ
K4KAY
KQ3F
N1SV
OZ4VW
PA0JSE
PY2FN
UN3G
W7HPW
W7IU

249	S55ZZ	SV1IW	M0CSD	YB2TX
IZ8GGF	W6DE	VK3BDX	N4PJ	
JA8FFM	W9JJB		N9UA	235
JR3UIC	YB0NFL	241	W2TB	EU1U
K9NR		AB5C	W4KA	JE1IBI
NA5Q	244	AF5CC	WA4QMQ	K0VSH
NU1B	HB9BUN	HC1BI	WA6JA	K4QE
OZ5NJ	HL2KV	IS0AFM	WB0TVY	K5CWR
SM4OLL	JA1CZI	IZ8FWN	WB8CQV	K8ZM
UN3GX	Ji6IHG	JF2VAX	WQ6Q	N2FF
W0RX	K0KG	JF6XQJ		NW4M
W9RC	K1EFI	JP1IOF	237	TA1CM
XE2D	K1PL	K4RG	CT1BOY	W4PNY
	K1YR	K7KB	G0VXE	W7YW
248	K4JJW	KV1E	IW3GJF	W9FI
AK5X	K6EID	W3ABT	IZ5YHD	
HB9DOT	K8RRT	W5DNT	JA0LXP	234
JJ1SKG	N0RN	W5QM	JH1DGQ	DF7EE
N4XP	N1EN		K0DD	DK2CC
OZ1LCG	OE3HWC	240	K1RV	HB9BYQ
VE3YF	SP6A	7K1CPT	K2NV	HB9JOE
W5JAY	W4REX	DH2PC	K8YYY	HS1NGR
	W5PJR	GU0SUP	N4HID	IK0LNN
247	WA3F	JA1DM	SM0MPV	JA1EMQ
HL3DE	243	JA2FSM	VU2CPL	JA3BXF
JA1DDZ	CT1FUH	JE1HRC	W2XI	JK1BSM
K3VAT	CT3KN	JR1WCT	W8UN	JR1VAY
K6EME	DS5TOS	KF0LA	WA0ROI	K4MF
KM1D	G4XRV	N0ABA	WB8B	KE5FXE
N7DED	JA2EPW	UX5UO	WB8ZRL	KE8UM
VE3YV	JA7BEW	W0SZ	XE1RBV	N4OA
W2GW	JF1LMB	W8IW	YO3JF	ND4V
W8IQ	K4ZO	239		NV4B
WS5W	K8ME	6K5YIA	236	S51NM
	N1API	AA7G	HB9ZS	W3WST
246	N4QWZ	DJ9RR	HL2CFY	WA4CEM
FG4NO	NV9L	DL9FCY	JA1HOM	WA4JQS
IV3KFB	SV1FJP	IZ1JMN	JA1JYE	WA5UA
JA1VRU	W1BR	IZ2FOS	JA3KNN	
JA7HRM	W8OP	JA6CBG	JH1DGJ	233
JH7BKN	242	JA7KE	JK1UNZ	AA9GR
K1FEV	HL3AMO	K2XF	JN1NOP	AJ4A
K2SN	JA4ZA	N8SHZ	JR7GBL	CU3EQ
K9YC	JH1WJR	W0JM	K1ACL	EA4DEI
N2DPF	JH4ADK	WB7B	KM3J	I0JBL
N3KN	JJ2WOC	238	KM6HB	JA4HAW
N3RC	JK1VXE	EA1JO	N4GN	JH1SOD
W1KMA	JR1MLU	HB9MFM	N6IE	K8BN
W3ICM	K1CA	JE1PNX	OE2BZL	K8EAB
W5ZO	K4PB	JE2VLG	PA0TCA	KJ7M
WV6E	K7FEL	JF0JYR	SV1HEP	N2NW
245	N2NS	JH3FHQ	W0HBH	N9BX
AJ8MH	N4HB	K9OR	W4GIW	NE3F
N0AH	N6HY	KA4RRU	W6DR	PY5IP
N5BO	N6KZ	KF7F	W6RW	SM0XBI
NZ3O			W9OO	W2NRA
			WY6N	W6YOO

WA8MCD
WB2KSK
WD8PKF
WV4TN
ZL4AS

232

AC9EM
EA1RT
JH1APK
JH6DUL
K4ST
K5FNQ
KF7PG
NY2NY
OZ1IKY
RK4FD
RQ3A
W2/CT1GIF
W2YR
W3FOX
W6CYX
W9ZCL

231

AD5WB
G3KMQ
HL2ZN
IW7DVM
JA1MZL
JH0AWC
JH1UBK
JJ1QUV
KD6UO
NA4EA
OH7TV
SM7NDX
W0QQ
W4UDH

230

DK6OR
F6HLC
G3LUW
JA5NPV
JI1VVB
K1KA
KB9DAK
W5DM
W8WVM
W9YE
WB2NPY

229

AA3LX
AE0P
G4FKA

IK2GAJ
JA2OLJ
JE1VTZ
K0HD
K3FM
K4CMS
KD1F
KI4DLS
N4NW
W1WC
WA1PMA

228

F5LIW
GW4TSG
JF1RYU
JH1ERJ
JH2PWY
K1XV
K4JC
K5FZ
KE4UW
KS4S
N6PM
NH6T/W4
RA3QUA
W2DXE
WB8K
WC3W

227

DL2RUM
G3VPW
HL2EIZ
I0MWI
IK8UHA
JA0DWY
K1GE
K5GH
N4IQ
N6OJ
NF4A
W5SL
W8GNM
WA2USA
WA9GON
YL2KF

226

DM2RM
HA5PT
I0OSI
IK7FPV
K2BA
KB1DMX
KH6M
KK4OK

KX2A
N2KX
N5ET
N6BM
N9AOL
VE7TK
VK4CAG

225

DK5RL
DS5DNO
EU1M
JA1IAZ
JA3FHL
JA3QOS
JH8NQV
K0OK
K1JIU
K5YU
KA8SYV
MU0FAL
N9SF
SM3LGO
W3MR
W5GZ
W5TFW
W8CZN
W8UV
YO9FNP

224

DK3PZ
EA7QW
JA8NFV
JK1WSH
JO1LVZ
K1CBK
N3RW
N7WO
OE3KLU
RW4CY
SM7BHH
SP6AXW
V51B
VE3SKX
WN6K

223

AC9O
AF2C
E21EIC
EA7DUD
I8MTQ
IK2RZP
IZ8MBW
K6IPV
KG9Z

KI6CG
KW4V
N1NU
N2SQW
N4ENE
W7IB

222

AA0MZ
DJ9SO
DL5XL
E77S
EA5B
F6ECI
HB9EFK
IZ7AUH
JA9NFO
JH0OXS
JM1VRW
K2AT
K2HAT
K6ZZ
KJ7TEA
KK9H
OZ7FOC
RA4P
W6AER
WB0O

221

EA2AAZ
HI8RD
JH3GFA
JI1NJC
JR7FRW
K5DV
KU4XO
RU0SN
W4DEE

220

AA6RR
DL4DW
EA5DFV
EI9FVB
IK1IYU
JA6AVT
K1DJ
K4EU
K4MIJ
K5MT
K6MM
K7AWB
KV4T
KZ9DX
NA5Z
ON4ATW

PA3BWD
SM0DSF
UR4IOR
XE2X

219

AG1A
F5JSD
HL5BMX
K3EA
K5JZ
K9JU
K9ZM
KG6I
KI7AO
KR6C
N1KC
N6DX
NA9RB
W6GRV
WA3I
WB4KTF
WE4S

218

DL2NOM
DL4NBE
DS4AOW
I7PXV
JF1MTV
K1NTR
KE3D
N4JT
TZ4AM
VU2CDP
W9KVR
WA2NPD
WC4H

217

AB4UF
DH0GSU
JA2NNF
JA7ZP
JG5RVQ
K4KGG
KB5UNX
N6QI
NA2AA
OZ0J
SV8DOU
VE7BV
W0TM

216

CX2CC
DJ3XG

G4VMX	213	209	206	JA7JPZ
HB9CXZ	9A1AD	7J1ADJ	3A2MW	JH8NBJ
HB9DQV	AG3V	AH0U	HB9CRV	K0CS
IZ0NRG	DK3UA	K0VM	IZ4DIW	K4JKB
IZ1JLG	DS3HWS	KB4MRX	JF1IRW	K9OW
JA1FJJ	IV3FFI	N0ODK	JN1NBU	K9TF
JA2VHO	JA0EVI	N6PEQ	K8NK	KA1DJ
K3NQ	JA1FVS	NE6I	KF9UG	KM7R
K7LV	JA3NHL	PU1KGG	KK5OQ	N3PS
KK4OW	JJ1BMB	SM5BNK	KK9T	N4TV
KR4W	JR1EFG	W3BJ	KO6KD	N6PAT
NC4RB	K2RU	W6DCK	N4TOL	SV1FKZ
PS8ACL	K4JWA	W8BLA	N8BJQ	W1DYJ
W0SR	K5ALQ	W8HMK	NA9Q	W5RF
W9MO	K9GA	WB0ULX	W9DX	WA3FRP
WB3D	LA5SJA		WA3WZR	
WS1L	N8GP	208	WA6G	202
	NA2M	DL8SDC	WB0N	AA9RR
215	VK3FM	JH0NOS		IK5BOH/2
9H1EJ	W2KA	JR3VMJ	205	JR4LZX
AA7XT	W8WEJ	K0THN	CU3AN	K1NJ
IZ0BVU		K4CGY	DL4LAM	K9WX
JA4CZM	212	K4WES	DL6UNF	N8WD
JE2UFF	G4ZOY	K5RJ	HB9BNQ	NU1O
JH5HDA	JA1BWA	KS4YT	JA4DHN	W1AW
JT1BV	JE2EBT	LB5WB	K3WWT	W3NS
KD2T	KU4BP	LB6KC	K4YYL	W4RDX
KE6V	PY2RO	NW6S	KV4AA	W7TUS
KF4NEF	SM5AOG	W4WN	N9KW	W7VY
KX4TT	SP5LKJ	W5FPT	OH2IS	WE2N
N8NN	W5DAW	W6WF	OH3OJ	
RN9N	W5GA	W8LMG	UN9L	201
VK3NX			W7HR	AA8SW
W0FG	211	207	W8FIB	GI4OWA
W0TT	JA3LDH	9K2BM	WA4MME	JH1IED
W1JGS	JJ1KZZ	G8AJM	XE1J	K0MFI
W2PP	K4YJ	JF1WLK		K3SX
W4IS	KT2C	JF2OZH	204	KK1W
W6SL	LU6ETB	JH2VVH	EA2AFV	LA9GX
WE1P	N1BY	KE1VT	HB9DVO	PY2GG
WV9L	VR2XLN	KK2M	JH1OBS	RT5A
WW8W	WX2U	M0IKW	JJ6DGP	W1OP
ZL2AL		N9AKR	JR0QFA	W6AEA
	210	OE1JIS	JS6TWW	W9IL
214	JA1OVD	ON4ANN	KB5HC	
DJ3AS	JA1PBV	RD9M	KM9E	200
EA5AR	JR2PZX	SP7ICE	KW4CQ	HB9AGO
F4GVO	KD4SN	TF3DC	W4GP	HB9IIO
I5XFD	KD8RQE	VK2CA	W7IV	IZ8EKL
JN7DOS	PY2WC	W1MJB	XE1L	JA0KJD
K0QQ	S54A	W4GE	ZS2Y	JA3EY
K2AZ	W5THT	W7NN		JE2KSM
KB6CIO	W5WP	W9QO	203	K2TER
W0KCJ	W7FP	YB0MWM	DF3EC	N1IA
WB6BFG	YB0DJ	ZS1J	F5NBX	N4TD
			IK2RGT	N7ELL
			IZ0BTV	N9PGG

PY3VB	I7LGM	KB2FCV	W9ROG	N4HN
VK6LC	I8YAV	KM1C	WB4GLI	UN7BK
199	JA1XRA	SM5ELV	ZS1DX	VA7ZT
AA3TH	JA2NDQ	W8NN	189	VK2HV
AC0X	JH1OGT	192	HI3T	W2WG
AD4AA	N2GZ	F6FYD	I0LYO	W6RKC
JH0RVY	N3QE	IZ7GIT	IV3KCB	184
K4SX	NA9A	JA7MAD	JA1SGU	AD6ZJ
K4VNY	RC2A	JH1FVE	JG1SWM	DS4GKF
MU0GSY	SP3F	K5IB	K6UXO	EA5RU
N2RR	SP5MXZ	K6XN	KY5I	HP2NG
PB9FN	W6HYI	K9SG	RM3DA	IK0HBN
V51YJ	WA0WWW	KE0A	RN3CT	IK0WRB
W6JZ	WB5NHL	KJ4UZU	SM4BZH	K3JM
W9LN	195	KJ4YLO	W6DPD	K3NF
W9RXJ	CT1ELF	KU8X	XE1FAS	K5RKS
198	IZ5FSA	N4XYZ	188	KZ1W
DJ0MCH	JA7QQQ	N9JR	EA7AN	M0HIH
I1YDT	JL3OUW	UR3EO	JA0GCI	NW7M
IV3BSF	K4KEW	VA2IG	JH7NTW	SM2EJE
JR1IZM	KE4S	WY1G	JK1AJX	UN7BY
K0GW	N3XM	YB1TQL	JP1GUW	UT7KF
KA1J	OH6NIO	191	JR0AMD	W6BK
KC6JAM	SQ7FPH	AA4NC	K1JD	W7IUO
N4FN	UR5FEO	DG5LAC	K2DC	WB2HJV
N6ZN	W3SB	DL4FAP	PY2RN	WB3BFC
RA3BL	W6KK	HA5CW	WV4V	WB5STU
W6SHY	194	K1RI	187	YB1RUS
WA2VQV	A65BD	K8QKY	IK8GJR	183
YL2TW	HB9ESS	N4DWK	JA2MNB	JA2KSP
YV5LI	HB9VAB	N7MQ	N6NU	JE4CIL
197	IT9ODQ	OZ7DN	W5ZE	K3SF
4X4MF	JH1OCC	VR2CH	W8UQ	K6LRN
BA4TB	JH8UQJ	W5LO	186	KC2SST
EA1DLU	K1LT	WF1H	AA4LR	LU4FW
IT9AAI	KP3AH	WI8R	G4XEE	NA2U
IV3AVQ	KR8T	190	K5QX	W3ML
IW9DNI	NJ3K	AA4U	KC6X	YB2TS
JA0CIU	NJ7G	AC4VM	KK0DX	182
K6TAR	SP6Eiy	BV1EK	N6MXU	I5FLN
K8SIA	W4DC	DJ9KV	N6VNI	I8LWL
KI4WCQ	W5UHQ	EC7B	NU4B	JA7FAS
NG7M	W5VQ	G3WW	W8RV	J11CQA
W1FA	W7PAQ	HL4CCM	WA5IPS	K7LAZ
W4DAO	WA1NXC	IZ0GYP	WB4DNL	KG4JSZ
W4HZ	WW2DX	JA2ITK	WZ4RC	KK8MM
WC2K	193	JH8KFE	185	KL7TC
WQ5R	7L4VYK	J12UDK	G1VDP	LA5LT
XE1H	AE4CW	K7UT	K0KP	N2ZA
196	DH3KM	K8ZT/QRP	K3PP	N8NA
AG5W	IZ5MOQ	KD0AA	KE5BR	N8NB
CT3CD	JA0AXV	N3AIU	KQ4EE	ND3L
G7SSE	JA1QIW	SM7GIB		ON6KE
	JG1JPE	W2OR		VK5GR

VU3CAU	178	WF8R	172	JE3PCP
W6SFK	EA8AXT		EI1DG	JJ1BDX
WV2I	G4DDL	175	G3SBP	K4WY
WV8DX	I4UUL	AG5CN	JA1BON	K9OT
181	IW0BYL	JA0LFV	JA7DPC	KF9AF
EA5HM	JA3UNA	JA6SQR	K1ZJA	KI2D
IZ4AIB	J11WLL	JH6RTO	K5TA	N5MT
JA7FVA	K0NV	JO3WHB	LZ1XL	PP7LL
JH1FNU	K1ZE	KD4POJ	N3AO	RD3BD
KY6R	K3VAR	KF6HI	SP5ES	SM7WVZ
N6VS	K4GO	LZ2ZG	YB4IR	SV1IZY
N8HRZ	KM4VI	N7NG	171	W7VAS
NV4A	KR2Q	N7VPN	AD3C	WA4NUF
OH2LHE	KU1T	NN5E	CT2GZE	168
SV8CKM	N6DHZ	NS3L	DL5MM	A92IO
UA9AEU	VU2LBW	NW7US	F9CI	AA5N
VU2IBI	W7HUY	UA1OM	IK3GBG	AG4Q
W6TK	WB6AXD	UA9AGX	JS6QOM	EW1P
	177	XE1R	K2MK	JH1ORA
180	4X6UU	174	K2TV	JP1LRT
A61BK	IU0ICA	AG7N	K6ZP	K1VI
AA4AK	JE4RAL	DF8FT	KB0V	K2SY
JH1IZR	JF1LZQ	DL5KUA	KC5LK	KF0RQ
K0IL	JG3KLF	JK7LXU	KP4DKE	LU8ADX
K2SD	K0EOO	JR3TOE	KW9U	LX1CW
K5TN	K3OX	K5CR	N8WRL	N4ST
K8SL	K8YE	K9HQM	NA6O	N6MB
LA6OP	KF4VTT	K9UQN	W0MU	OE1ALW
N2ZZ	NA6MG	KZ5DX	WA4DOU	R4FAN
N4MIK	SM5CBM	N4PYI	WA5KBH	VE3YXO
NA5S	VK2AAH	N5QS	WI7P	WX0Z
NY1V	W0IKD	VU2DCC	170	XE1YD
NZ5O	W1AO	W5WI	DL2JIM	167
VR2XYL	W4KVS	WA4BIM	EI5KO	AE4M
W1LE	YB1TJ	WC0W	EI6AL	JA3AVO
W4DSM	176	WQ5T	JA1GVT	JA8BOV
W5SUM	4X6KJ	173	JQ1YIW	KB8NTY
179	DL6NW	AB6CF	K6JJ	KE3X
AF6PK	IK0CHU	AI9U	K7CU	KH6XT
DL5MHQ	JA1ERB	HB9FBG	LA2GH	KN7D
JA3EEM	JR1FHP	HB9HVG	N4VN	N1ZJ
JM1SZY	K5DCW	K5CD	N5PA	PY2SEX
K1RH	KK7YC	K5ZQ	N6EM	WA0SXV
K4WZ	KT8D	K6UNE	N8VV	WA5NFC
KE5TD	N1JP	K7PT	NK7C	WB8BZK
KJ6NZ	N2MEE	K8JE	NX4TT	166
KZ2R	OZ9XU	LA9VBA	OZ3SM	AL7R
N3KV	VE1VOX	N7HN	VE1OP	DL1SVA
NC2Y	W0BM	N9DR	VE2YG	HL4XM
SP5ELW	W0PE	NX2X	W0OGH	JR6GHN
W0ZS	W4AEJ	OV5O	WA4USA	K2CYS
W4CCS	W4LEW	SM0EUI	169	KN4FO
W4TUN	W7WZ	WY7FD	DM3CW	KR4BD
	W9WO		JE1PHH	LA7EIA
	WA3GNW			

SV2CLJ
W4PGC
W8SAX
WA1ZIC
WB3JFS
YO3AIS
ZS6IR

165

AG6HE
CU3HN
EI5JL
IK0XIH
JE4WOK
JF1KML
JK1DDG
K2AX
K3VPZ
KG4CUY
LA2XPA
LB7ZG
N2RJ
N3KS
RA0BA
VK3TC
W2FS
WB2WPM
WB9PNU

164

AC4BT
CT3DL
DL7JRD
EI6IZ
IZ0GVZ
JJ1JMZ
K6CF
K6GFJ
KD8MQY
KL7TS
N2XQM
NA2P
PT7DX
S50B
SP7QHR
W6SIY
W9CSX

163

AA4OC
AA8KY
AI4QQ
DS4NPL
EA1AZ
F4CPF
F4WDL
HA5BSW

IU8IYE
JR6LDE
K0ABC
K0CF
K4GN
K4MV
KD1AB
KE1B
KW4MM
LA1CO
N0AMI
N7KDT
N9LEO
R3IS
SM7CZL
VA2LC
W1OK
W1XV
W8MIL
YO3DDZ
YO3IPR
YO4AUL

162

4F1OZ
BH4IGO
DF2UA
DJ7JC
DS3EXX
EA2AGV
HS8KAY
JL1GYZ
JR4CZM
K1XE
K3DFL
KA1API
N4BAF
WA7BNG

161

HL3ERJ
JP7FSO
K1BZ
K2OP
K4AR
KM4A
N7QT
NA6XX
OK2ZDL
SM3PHM
W5BK
W5RDW
W6DOE
W9GG

160

AC0DQ

E70T
EA1WH
HL1VAU
JA1ITJ
JA1UOA
JA7JM
JK1EBA
JR1CAD
K5VR
K7LY
KC9K
KF2OG
KL0S
KM4NS
N0IW
N4MEC
N5WA
N8IL
NI5F
SV1XV
W1ASB
W1TO
W9FF
WB8QZM
ZS6RJ

159

EA1P
F4DSE
IK0WMJ
JA0ED
JA3PRM
JK1JAS
K0IO
KB7AK
KW4J
LA4JGA
LA8ZAA
N1MD
NE5S
OT1A
VA3NXM
W1EBM
WD5BJT
XE1MW

158

9J2BS
G4SGX
HK3PJ
IK3DVY
JH3EQP
JJ1KXB
K4HQB
K8GWU
KB2XJ
KF7NN

KJ7NO
N4XMX
W2CG
W8LIG
WB2RAJ
WT2P

157

7N3IJT
AA3AZ
E20YLM
EA3HDZ
EI2JD
JA3MHA
JA4FKO
JE3FOR
JM1ESG
KN7Y
KW1DX
N4MI
N6MM
NP3CW
PY1NS
W4DTA
W4NBS
WD8KND

156

DK8IZ
EA3HPX
F1RAF
G4AYU
GM0VRP
GM3WIL
JA1CCG
JA2ODB
JA9RT
JG3RWX
JH2AJY
K1ROA
KA9OKH
KC4HN
N4QM
N7GCO
N7RD
W1MR
W5JMW
W6FL
WA6QGH
WB4YDL
ZL3RJ

155

AB4GE
DK3QM
IV3TDM
JK1BIB

JR3ADB
K2DF
K4EZY
M0IFT
N7WS
NO9E
OE1HHB
TF3JB
UT7EC
W5SV
YB1AYO

154

AJ8B
DK1NAL
DS5WQT
JA0GZZ
JA4HXF
JA8ANQ
JF3VEC
JH1AQN
JH7WQX
JR3QHQ
JR7ILA
N7JB
NE5W
SM0BYD
W4CIR
W8TM
WA9MAG
WN7J

153

HB9BEM
JA3UOQ
JQ1PCX
JR7MAZ
K0COM
K0LB
K3HW
K4OY
K8ROK
K9MMS
K9YZ
KK4XL
N0VVV
N7NW
N7WI
NC7B
OH3FVP
SP5NON
W8VK
WB4SON

152

5P5Q
AC6BW

BX5AA	JA7GZM	147	EA4S	142
DF2WF	JE4KCN	AB9KZ	IW1PUR	AK9B
DL8DWL	JG1GJH	EI3CTB	JH1CTV	IK1ZNM
DU1KT	K1QN	F6KOP	K5FXB	JA0MRW
G4AFJ	K5HK	G3VQO	K8WHA	JA1PUK
IK5BSC	K9RT	HB9GWJ	KQ5M	JH6PFY
JG2LGM	KI7M	IS0/YO3RA	KS0M	JI1UHZ
K0RAR	N6JOJ	JJ0LZQ	N6KK	K3GT
K2EK	N9IO	JK1OTP	PT2ADM	K4TXJ
K4RDU	NG9J	JL6USD	W7NP	K8MRT
K8ZZU	ON6ZV	K0PC	WB9B	KA6BIM
KD2OV	OZ1HPS	K3GGN	WR7Q	LA1J
KE9S	VR2MY	K3GW		NF7D
ON4LG	W3KB	K4NTO	144	NH6L
R9JX	W4NE	K5UZ	AD0TR	NN9X
W6RFF	W8QXR	KB7QFE	DL6DCD	RL3BZ
W8FN	ZS1C	KB9LIE	G4FTC	YO8CRU
WA6EZV		N8JS	GM0VIT	
WA9IVH	149	SV8RX	IZ0FUW	141
YV4DYJ	7N2JZT	W0QC	JK1NPH	7K3QPL
	DS4DRE	W3NRJ	JL3DGI	9H1AE
151	ER0FEO	W8OM	K1TKL	AC7JM
4O3A	GM7NZI	W9GM	K4SAF	AC9S
AA4UC	JS6SCC		K8OS	EI3ISB
AB2E	K2KIB	146	K9UWY	HB9EXQ
DF1IR	K9EXY	AE5B	LA2IR	IZ3XEF
DL4KUG	KM2E	HB9HHH	N5UE	JR3PKO
JA2BUR	KP4DS	HP3TA	NZ0O	K2HT
JH2NWP	N0STL	JA3KWZ	RN0C	K2JK
K0KV	NE0U	JE1COB	UY2UZ	K9AAN
K4DET	NO0B	JH1BHW	W0AIH*	K9AQ
K7LAY	PY8WW	K6NR	WB9W	KA5VFU
K9AAA	RT0F	K8ARY		KC1ERO
KE4BKL	UA9MC	K8POM	143	W1NA
KE8G	WA1EHK	KB9AIT	AA4MM	W6HDG
KK4CLY		KD3HN	AF3X	WK8A
LZ2XF	148	KM2O	EA4D	WK9U
N7MB	4F3BZ	KM8AM	HB9AAA	
NU4I	A71AM	N6RK	JA1MOD	140
SM0NUE	J68HZ	N8TFD	K0SRL	AD9DX
VA3EJN	JA4GXS	SM3DXC	K7QBO	EI6JK
VA3HP	JF2AIJ	SP9IZV	K9BQL	EI7GY
W3HER	JI3BFC	VU2NXM	KE4FW	EI7JZ
W5WLA	K5EWS	WA2MUA	KG6D	EW4C
W6WA	K5LY	WA3SKQ	KJ4R	JG1RYQ
WA9JWL	KA3GWD	WA5NOM	KN7K	JJ1OKK
WC2C	LZ1MDU	WW8RT	LB2TG	K0UBR
	N0TK	XE2B	N1QY	K6EV
150	N3ND	YB1BML	N2YBB	K7VC
DK3BK	N9ATF	YO2DFA	N4UP	KB1HY
DK3FB	NJ6K	ZS6UT	N7ZA	KC3AK
HB9EBM	TF3Y		OH3PYY	LA8PDA
HB9MXY	VE6TL	145	TF4M	LZ2HM
IT9ABN	W4AG	5T5PA	TG9AJR	W3DIY
IT9IPQ	W9MAK	AA5TL	W4JVN	W5VU
IZ2MHT	XE2YWH	AD0K	W4UFO	W9BS
JA6SUY		AL7TC	W7VS	WB1ASL

WB8EKG
WW6G
YB3MM

139

AA4DD
F5VML
HB9ARK
HB9DTE
HL4CBX
JE3OUW
K0QB
K9QJ
K9TRV
KX4I
N0CKC
N2SG
N5FEE
N7NF
R9MJ
ZL3TE

138

DL5KUT
DL5ZB
G0FWX
HB9DVZ
JA0CVC
JA1PVX
JA1VRY
K2JL
K2RET
K2YSY
K6CW
KC9G
KF6A
KU9S
N3PV
N9XX
OD5YA
PV8ABC
W0UHL
WA5POK
WA8LRW

137

DL2RD
EA7LS
G3PSM
HL1MKT
JA4DNC
JF2RSF
JH1SBE
K2CDJ
K2RKJ
K4AU
K6EGF

K6IRA
KP4N
N2KI
N4KM
N7VZ
N9NFT
NU1T
PY2CP
SM5CSS
SP3EPG
TA1AL
W2GGY
W2NY
W4UEF
W5GOL
W9MR
WA0WOF
WG0G
WS1F

136

CT1ESO
EA5KA
IS0EBO
K7STO
K9UO
NT5EE
ON5GF
TA1PB
TF3VS
VE3FRR
W0ANZ
W4GH
W4PGM
W4PV
W7SX

135

AB4FH
AK5Q
EI2HY
G0THF
HZ1GW
JA1DCK
JA3MIO
JA7MWC
JJ1HLL
JL2ULM
K4OP
K5VG
N5RN
S53MJ
W7QHE
WB3AVD
WB6FWS
WB9IWN
WO5I

134

AB0RX
AB1J
DL4ZAB
EA6AZ
IZ8DEO
JA6GXP
JR0GXA
K3KY
K7FL
K7YZO
K9SUH
KA9JCP
KD2SC
KM4HQE
KN4OK
LB5GI
N6XT
NJ1Q
SM3WU
VA3OKG
W1DAR
W4UAT
W5AAJ
W6UC
WB1DX

133

7J1ABD
DL8OH
GM1BSG
HB0WR
HK4EB
I4JEE
JM1JIV
K9JDP
KG6WIK
KI4TZ
LA9KY
N1BKB
OH7HM
PT2ND
VU2ABS
W1GY
W1ITU
W3MF
W4EJG
W9SE
WB9ZNZ
YB4CHP
YO3GJC

132

AK3E
AK6I
I8NLC
IW5EIJ

IZ0COI
K4BNF
K4WM
KG8OU
KI7HO
KK5ID
KX5U
M3DFW
N3TR
N4EDT
N4QOG
NN3V
SM7DXQ
TF5B
UW7UA
VU3WEW
W3KHZ
W4MC
W5FL
WA1HXH
ZS1EL

131

7L2QAD
DM6MA
EI5GM
GM4KHE
IK1UGX
K2WJ
K3WGR
KA5IAU
NM1G
NN6K
OE3JAG
W4MA
W5EC
W6OUL

130

AA4QE
CT1HHP
DL1SWN
JA2LMY
JH3PRR
JL4BSE
K2MHE
KF5WCP
KN4JX
N2YF
N7TM
NS4F
NU4Y
OZ6TL
RC3FL
W1MO
W9CTJ
WB8RFB

YB2IQ
YO8PS

129

AD6KQ
AE7U
JA0AVS
JA1PLT
JA2ACI
JA3WMS
JH1RFM
JN1SUT
JR1HYA
K0YL
K5SES
K7ORK
KB4KBS
KE7BMG
KF9LI
KJ2U
KO4PRE
N8BK
N9AVC
NN2D
PY3OG
SM2YIP
VK5CE
W7TG
XE1ILI

128

A71XX
DL9SAD
EA1AHA
EI3IO
F4GTB
HL2DBP
JH1AWJ
JN4FNZ
K6OJ
K7PTC
K9YKL
N0JR
PU4MMZ
R3BB
UR9IDX
V31CQ
W0QD
W5MF
W6IS
W8BI
W8WV
WA4UWD
WC4V
WP4CQ
WQ1H
ZS6AKU

127	XE3E	W6ND	UT9LC	CU2CE
7Z1HL		W8PAT	W0JMP	DS3DNT
AG4TO	125	WW5L	W1ES	DS5QLJ
DJ5DT	AC4XO	ZL3REX	W1HEO	F5AQB
DL9GTB	DM5JBN		W1KKG	IK8IPL
G8BCG	EI8GS	123	W5HNC	IT9JPS
HK6K	G0OSK	AE5FM	W6HB	JA0JPD
I2YPY	G4EHT	DJ6OZ	WA5YOM	JA1DCO
IK2ULM	IK8PGE	DS4DBF	WA9DU	JH5OTE
JA0BES	IZ8EYN	EA3NG	XE2MX	JJ1XVA
JE2VYM	JA1IHD	G6NHU		K9CHP
JG1LRE	JH8FIH	IK0XKP	121	KC9WPS
JH1HRJ	JP1GVC	IZ8LMA	AD5MD	KD5R
JI1MNT	K5NOF	JA0PZJ	DD0VE	KJ6Y
K0ARM	KC2STA	JA1GLE	HA2EQD	LU3XX
K7LFY	KK5J	JA2HOL	IK6BMU	N1TQP
K9BO	N5ZC	JH1RVQ	JA1CPN	N3DV
KB8KIM	N7UJJ	K2JGL	JA1EYN	N3GS
KF3N	NA7RH	K6LPO	JA1WTO	N4UFP
LA2LI	NN6CH	KD4EE	JI5WDC	NR2D
N0AB	NT9F	KI0HA	K1EDG	PP2FN
N3GTG	SM5AFU	KM4CQG	K1LTJ	VE3QAA
N4GBK	VK2DAG	KO8SCA	K3CWF	VR2ZXP
NA1RL	W0XE	LX2SM	K3HPA	VU3RGB
OH3DP	W4AO	N6DVR	KB3IFH	W1RG
ON5EQ	W5CWQ	N8AYY	KG5NP	W5RYA
VE3EDY	W6PG	N8IK	KK4ODQ	W6GJB
VU2MSA	W9EBO	N9RE	KU2A	WT5L
W0MF	WA4TMJ	OH3TY	N3ER	YB0AZ
W2KNG	WA7HR	ON6YH	N5ZY	ZS6NK
WB2KSP	WM4AA	PY2ADR	N7TW	
	WR2G	VE3FAC	NA2R	119
		VE3VHH	NY4G	AA4FU
126	124	W2WGK	OZ6EI	DL2VWR
CU7AJ	AA5H	W4UT	TA1L	F5BAR
EI4HH	DJ3EJ	WB8TGY	UA0FDX	HL2MHU
G3XLF	EC4KW	WX3P	W0DD	JA6JYM
IK4TVP	EI8IQ	YB9WZJ	W2ARP	K4RM
JA5CDL	G4RGK		W3/NH7C	K7LOL
JA5XPD	IT9YOZ	122	W3JXP	K8EB
K5KDX	IZ1UKF	AA0BH	W4CC	LU9DO
K7PO	IZ5BYJ	AA5B	W4KCM	N1GNB
K7YMG	JG3KMT	AB5YI	W5UQ	N8LCU
K8GT	JH1XFR	DB4RG	W7PC	SV1BYI
K9QA	JM1LPN	G0HSA	W9MB	SV2KF
KC5RR	K3SUI	HC1HN	WA7HQD	W1ZK
KK4CB	K6VVK	JA9ALR	WB7BBQ	W5IO
N5HC	K7HC	K0HQW	WQ8T	W6ZPL
N8YQX	K9ARZ	K0MD	WT3Q	W8EOG
N9BVA	KB8DID	K4VAC	WU9D	ZL2AO
NX8Y	KC4AA	KA5SYP		
OH4KRN	KD9ZR	KB4ET	120	118
PY2OP	KS4WA	KN9N	AA2T	6K5AQY
VE3TMG	N0YO	N1ZZ	AC4TO	AC9GK
VR2VGM	N1HO	N6VH	AE5LK	AE1T
W8VI	NT4K	N9ATD	AI2S	DJ9KM
W9COS	W6ELI	SV7CUD	CT7ABD	IZ0RPS
WA2BOT				

IZ1JIZ	J11DMH	114	NA9L	JH1IY
JA6CMQ	JT1CO	F6FHZ	NS4X	K1RE
JH3LCU	K2GLS	G3CWW	S52R	K2KYH
JM1CMA	K4LCP	HC1HC	SV2DSJ	K8ZEE
K0PX	K8JRK	I0BJV	VA3AYA	K9JIG
K9KJS	K8MN	JA1CPU	VK7ZE	KC2NJ
KA5JSM	K9GWH	JA8EIA	W3JM	KM5VI
KB3KJ	KB8ZUN	JE6PJP	W6BBS	N0ATQ
KD3UY	KC1RET	JG4OOU	W7CD	N1BZ
KD9BIE	KD5RBU	JL3RNZ	112	NT5O
KG5VK	N0UCR	JM3XZC	3C3CA	PT7CB
KX6C	N1GFV	K3PL	7Z1CQ	TA2RC
LZ1XZ	N2TC	KB1W	DS3EXT	W2FDM
N3HYB	N2ZL	KD2NF	G0DTX	W5GCX
N8KUS	N4KEB	KI8AE	G3YFE	W7WT
VR2CC	OE6CLD	N1AH	GM0SCA	WB8PKK
W7KKC	RW6MBC	N3DD	IK4EWN	WU4B
WA8RCK	SM1NJC	NA1DX	IS0BQE	110
WB5TOI	VK6OZ	NG4DX	JA4RED	AC0B
ZS2I	VR2IL	NG8T	JF2OHQ	AF8C
117	VY2RU	NK5K	JF3AHI	AG5Z
AD7L	W3IZ	W0QKL	JH0LME	CT7ANG
CE3FZ	WA4VJK	W2ZK	K0XM	DK4MX
F8EZE	115	W8LR	K4HEB	EA1BLA
IS0BZR	AA9WO	WD0AJG	K4ZMV	EI9HX
IZ7QFN	AF7WM	WN0L	K7RAN	G4VWI
JA9KA	AI5EG	XE1EE	K9KDS	HG6IA
JM3GXU	E74A	YB2BNN	KC2THY	IZ1EPM
JR1KBJ	HL4RBR	ZS4JAN	KH6P	JF3KOA
K0FF	IW2FLB	113	KK7BR	JH1FRW
K4AEH	JA0NPQ	AK0A	KS0JD	JR2PAU
K9LCR	JA1UBZ	EA5DPL	KY6AA	JR4DHK
KB2S	JH8LEY	F5EOT	N8AID	K3MSB
KB5CSQ	JJ2VLY	F8GB	NK7Z	K4KAL
KO4PY	JM1JZN	G0UII	NQ4A	K4RP
KP4ED	K8CR	G4NAQ	S51DV	K5GZR
KZ1X	K8RCT	G4YCS	W1FC	K6DJ
N8AGU	KB4CRT	HB9GZE	W1HQ	K6SLO
VE7NY	KB7V	IU8GNY	W3WN	K9TVG
W3DQS	KG4URP	IZ0CKJ	W4AFB	KV3W
W3LWH	MM1PTT	JA2CPD	W4LLP	N4NYY
W3MRL	N0TR	JA4CSJ	W9LU	NG0G
W4ARK	N7PIB	JA5SEY	WB2UFF	TF8GX
W4DWS	NA4MM	JH1GNU	WD8LTM	W1ZZ
W4PG	NE1RD	K1JKR	WJ1B	W5JE
WB9WHQ	NI4Y	K2KNB	WN1M	W6TCP
YO6HOY	NW6V	K4JDJ	ZL3PAH	W7YED
116	OE5MPL	K4JLD	111	W8PE
6K2ILX	W3HKK	K4TR	EI2FG	W8TE
AA0FT	W4BH	K5WRE	EI9CN	W9GFB
AB4BJ	W4OV	K9DUR	F8DZY	YB1SKR
EA5GXI	W5WS	KB2TGU	G4ZWY	YO5QAW
EI4BZ	W7FI	KC0V	JA4DLF	ZS5LEE
G8GHD	WS4H	KG2U	JA5EEU	109
IZ2CSX		KG4OJT	JE1TNL	AA4RX
		LU3JVO		

AC8TO	KC8YG	W1USN	WS7I	EI3HA
AF3K	KE3ZT	W5HY		F6ARS
DL9QJ	KE7AUB	W8JA	105	FM5FJ
F8DHE	KI4SFT	WB2MKX	AA2F	G0DRM
G0MMI	KN4WOJ	WL7OU	AI1W	GW0ANA
JA5GOJ	KO4XI	WM4W	AJ6V	HA5DI
JH4GNE	KW1X	WU1U	AP2IA	HB9BMY
JI1ZS	LU2AH	ZP6CW	DL2DCX	JA0NZR
K0FD	N2IFA		DL9GTK	JA1CC
K2OO	N3YZ	106	E29TGW	JA1DHY
K6JAD	N5FPW	AB1NS	F5VIF	JA1RBY
KB7DT	N5TW	AB6WQ	G3LOJ	JH1MYJ
M0AQM	NZ6N	AC5AA	HB9TJG	JI4HKA
M0MCV	TF3MH	AC7DX	HL4GHT	JQ2MPJ
N4LS	VE7VV	AC8IL	JA1JYS	K1TWF
N6RVI	W4DVG	DS2GOO	JA1SZN	K2CQW
NN8L	W6CN	EA3AGY	JE6UWU	K4WW
NW6R	WB1S	EW4DX	JJ2BLV	K5JUC
NX1P	WB5ZAM	G0OJG	JK1AKA	K7UW
NZ3M	WC4B	G0RPM	K0MB	K8CJY
NZ7Q	WF7T	G3LPS	K1EO	K8WVA
PF7M		HI7SB	K1ETA	KE4YOG
PV8DX	107	JA3AOP	K2GW	KJ2AM
SP7ASZ	AB7RW	JA3FRI	K5WE	N1FOJ
T88UW	BG8PA	JA5IBP	K6GCN	N3PW
TA1UT	DJ5FZ	JF7NNI	K6ME	N4PAJ
W3ATV	DK2GP	JG1XBM	K7CMZ	N4ZR
W3GP	E73D	JJ1IRS	K7CTV	N8TEM
W4JDS	EA2BFM	JO4JDU	K8FB	N8WXQ
W5SG	EI5GSB	K5TU	KJ8N	NA8W
W7CB	G4NBS	K6VWE	KK4MA	OM6CI
WT9U	IC8XIL	KA9TOX	KR0P	OZ9U
WW5RC	JE1CTA	KI4NSP	LA9JKA	PA0QRB
	K1FUG	KM8V	LZ1JZ	PY2YW
108	K2FJ	KR4U	N0SL	RV4LC
7M4CLF	K2ZD	KT5V	N1TQ	VK3MB
AC8MR	K3GO	M0PCB	N4LSJ	W0VU
AC9DX	K4LQ	N4DJT	N9APK	W9GXR
DB9CR	K6DLB	N5JED	N9IXD	WB7QXU
DL1TPY	K9MQ	N6UOZ	NC1M	WX0B
DL2AMD	KA4LBD	N7MW	NK7L	YB1BUL
DL2NAI	KB0EL	NG4C	OH6IH	YO6HSU
DM5TI	KF2G	NI7F	PV8RR	ZS6HON
DU1IVT	KJ4FZ	NS7K	VU2DED	
E70X	KS8W	PT2DF	W1PY	103
EA5XV	LU5OM	PY2OC	WD4OHD	AF8P
G5CL	N0MHL	UA0ABB	WK3A	DS5JMG
G6MXL	N7TP	VE3BHZ	WZ9B	EA2RY
IK1RKN	N9AZZ	VE3XK	YU1LD	EI9GLB
JA2DCN	NC6RJ	VU2MB	YV4EH	FM4LV
JE2DOD	NI8Z	W0LGQ		JF1KIG
JH1OVY	PP5VA	W0TLX	104	JI1FXS
K3DQB	RM6LW	W4/KL7GLL	7N4OBV	K0BRO
K3XO	SV3EXP	W6KF	AA2WC	K0OOK
K4GHS	TA1CQ	W7GB	AA6XV	K2RNY
K5NV	UX5XK	WA3IIA	CT3DZ	K3PIN
K8LBT	V31MD	WA8Y	EA4EJP	K3TXW

K4NI	W9GWP	PA3AIN	IK7NXU	N8URE
K4PWS	WB4PWZ	R2ARR	IZ4IRO	N9MKC
K4SAW	WB7QBS	RZ6MJ	JA2KGQ	ND0B
K5DXR	WB8LEM	SM0BSO	JE7KCI	NE3K
K6XJ	WD6T	SV2BXA	JG3LDD	NM4SH
K9WMS	WD9IOK	SV4FFL	JG5VFK	NX6D
KA7CVJ	WF4W	TF1A	JR4VEV	OM2AGN
KL7NW	WN9A	TG9AKH	K1HC	OR4K
KQ6K	XE1SAX	UA4PK	K1JX	OV2B
M0UPL	YB0EIN	VA2GA	K1PTF	OZ9GA
NB3R	YB9AY	VK4BUI	K2UF	PV8AJ
NI5G	YO6BHN	VU2OT	K2UT	PY5VC
RX3BP	ZS2ACP	W0ZX	K3NO	R2AB
VE7XT		W2GHD	K3RRR	UR8IDX
W4CU	101	W2PD	K4GM	VA2EU
W5IP	AA9D	W3RMS	K4QS	VE1JF
W7JET	AB2NI	W3SW	K5LLA	VE3KKB
W8EH	AB4EJ	W4PM	K5MMH	VR2PX
WA6URY	C31MF	W6OU	K5PSN	VU2OY
WA8KNE	DD9WG	WB5KSD	K5VSD	W0PPA
YB1ALL	DL3XAC	WD4IXD	K7VL	W0RMS
ZL1IM	EA4UV	WM5H	K9EA	W1HS
	EA8TZ	WU6K	KA2F	W3BNN
102	F4FLF	WX7B	KA4H	W3KN
4X1VF	G3VDB	YB8HZ	KA9JAC	W4CG
5W1SA	G4GEE	YO2OXD	KB6IGK	W4YR
AC0XY	HB9PUE		KD0KZE	W5PD
DB2WD	IK2HLM	100	KD1DT	W5YKU
EA6UE	JA1KZP	2E0XAR	KE1IU	W6OZI
EI4GNB	JA2KPW	9M8DEN	KE8NOA	W9KM
HB9MZI	JA5ALE	A41ZZ	KF5MDZ	W9ZT
IZ7QSS	JA5JUG	A71EM	KF5TL	WA2ALY
JH1IHG	JK3NSD	AA7UN	KF8PD	WA2VJL
K1AJ	K3AXB	AB8YZ	KG4IYS	WA3UTC
K1MDA	K3LA	AC0DH	KI0G	WA3YZD
K2CJ	K5HX	AD4J	KI3O	WB0RXQ
K2DH	K7BWC	AE4VJ	KI4PG	WB2ZEX
K2DW	K7GA	AK1P	KJ4SKO	WB4MM
K4HR	K8PGJ	AK4AO	KK6MF	WB6RAB
KB1AWM	K9GL	DB6VH	KL7XO	WB6RJH
N2CJN	KB5YN	DC1TK	KR4Q	WD1M
N2FY	KC3OPI	DK1MCS	KV8P	WD4GZW
N4IR	KE9UA	DK7GH	KZ4EX	WI0E
N8KOJ	KJ5RC	DL3ANK	M0NGN	WM4D
NA4D	KK6VGE	DL5JH	N0OK	WM9Q
NN5O	KU4A	DS4GQR	N0VTZ	WU1T
R9GM	LA2XNA	EA4TX	N1KI	XE2AD
S51MA	LA3ANA	EA5PS	N1UZ	YB6LAY
SM0XG	M0PTZ	EI4DQ	N2YU	YE1AR
US8ZAL	M5LRO	EI4GJB	N3NVA	ZS6CR
VK2GR	N3CAL	EW4A	N4GOA	
VK7AP	N4PF	F5JWH	N5CR	
W1GF	N9MR	G0GFC	N5LJL	
W4GHW	NC8I	G8GFF	N5LKE	
W5TMC	NJ2X	G8GNI	N7WFK	
W7HJ	NZ1I	GW0KRL	N7WR	
W7IMU	OZ5JQ	HB9BEP	N8HM	