

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 06 Nov 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.

348 K2TQC SP5EWY	K5UR KF2O N6AR	W1DIG W7UT	OE3GCU OE6IMD OK3GU R7LV SP3EPK SP8AJK WB6RSE WK3N	SM5CEU SM6CVX UT5UGR W0DJC W9RPM
347 K4CIA K8MFO N4WW W1JR W4DR	341 4X4DK AA1V DJ6RX DJ9KG G3KMA JH4IFF N0AT N2TK N4CC NN4T OH2BU OZ3PZ PA3FQA SM3GSK VE3EJ	337 AA6YQ DL4MCF JA2JPA JR3IIR K1ST K4HGX K8SIX VE3XN W0BV W2LO W2YC W3LPL W9IXX	334 DF3GY DJ9ZB EA4KD EA6SX F6EXV G3XTT JA0EOK JA2FBY JQ3DUE K3UA K4XO N4XM N8DJX SM5AQD SP2FAX UA6A W4PK WB9Z	332 AA7A DF4PL EA5RM GM3YTS HB9BGV HB9BZA IK4DRY IK5HHA JA0UUA JA2KVD JA4DLP JG3QZN JL1UXH K0IEA K1OA N2LT NJ6P UA4HBW UT7QF W4DKS W5BPT W5ZN
346 N1DG SM3EVR W9ZR				
345 HA0DU JA2VPO OH1XX				
344 K4PI N4MM OZ1BTE OZ1LO PY2XB SM0AJU VE1YX W3YX	340 EA8AK JA4DND K4UTE	336 AA1QD G0JHC JA1WPX JA5AUC JH4UYB K2FF K4XP N3XX N5ZM PE5T W0MHK W1YY WD5COV		
343 DF3CB K3FN K4MQG SP5CJQ VA3DX W3UR	339 CT1EEB IK1GPG JA1UQP JA5EXW K5RK N4CH N8DX	335 AG9S I4AVG JA1BK JA4LKB JA5AQC JA5MHD N0XA N5UR	333 DJ8NK F6AOJ F6DAY G4OBK HA5WA JA1HGY JA6BZI K6YRA N4AH PY2BW PY2SP PY5EG	331 AD5A DF2RG DJ9HX EY8MM F6BKI IK8HJC JE2URF JH1RFR K4MWB KD5M LA5IIA
342 JR2KDN K4DY	338 G4BWP I4LCK JA3FYC K9NU PY4OY SM3NRY			

LZ2DF
PY5HOT
SP3E
VE3FF
W5OZI
W8UVZ
YO5BRZ
YU1FW

330

AA1ON
DJ2YA
DL1AMQ
EA7TV
EI7BA
HB9AMO
I4MKN
IK4BHO
IK6DLK
JA1ADN
JA3EMU
JH1GZE
JI4POR
K3WC
K4CN
K4ZYU
K9CT
N4JF
N8JV
N9IW
NR1R
OK1MP*
RA3CQ
SP7GAQ
W3NO
W4UM

329

GM3POI
IT9DAA
IV3JVJ
JA2JW
JA7KY
JA7MSQ
JH1TWT
K0EU
K1HTV
N5AW
NI0G
NO8D
OZ1CTK
R4GM
SP6CIK
SP8NR
W5XX
WA1JMP

328

AA5AU
DK5WL
DL7MAE
IZ5EKV
JA1SJV
JH2FXK
JI2KXK
K4QL
RU3FM
SL0ZG
SP9DWT
W1ECT
W2IRT
W5FKX

327

AB4IQ
CT1APE
CT1IUA
DL2OE
EA1YO
EA5BM
I4EWH
JE2LUN
JF1WPB
JH0INP
JI8DGO
K0DEQ
KW9A
N2BJ
N6JV
PY2YP
RZ3AM
SM2GCQ
SM5CZQ
SP6M
SV1RK
YO9HP

326

EA5BY
JA9APS
JE1SYN
JF3KON
K5EK
K8PT
LU2NI
N3NT
N7RT
NK1K
ON4IQ
OZ1AXG
SP5DIR
W8DCH
WP4U

325

EU7A
HB9DHK
I5NPH
IZ0AEG
JA2FJP
JA5WIZ
JF1PUW
JF7XKY
JH8RZJ
JL1RUC
JR3GWZ
JS2LHI
K9EU
K9IR
OE2LCM
R5AJ
SM4EMO
SM6CCO
SM6CMU
SP1S
SV8CS
W1RM
W3LL
W6RLL
W9OP

324

DK9KX
DL5DSM
FK8CP
G0DQS
G4CCZ
I0WDX
IK5PWQ
JA2BDR
JA2DPC
JJ3PRT
JR2LJO
JR3OEH
K5KC
K5MC
K9YY
KA9CFD
N1NK
N4II
N8BM*
OE8HIK
R3OK
RV3LO
VE2TZT
W8OI
W9OL
WB4TDH

323

AD1C

EA3GP
GM3GAV
JF1KKV
K6FG
KF0QR
LA7HJA
N5TY*
N8RR
NY0V
OH2BLD
SM6DHF
UA3AB
UT9FJ
W7AO

322

CT1BH
CT4NH
EA2IA
F5PAC
IK4GME
IK8YTA
JA4FKX
JJ2LPV
K2UO
K7NN
KU0A
KV7K
N4DW
N4NX
N4PQX
OE1WEU
OH1LEU
ON4CD
PA3EWP
R7DX
SM5KNV
UA4CC
VE1DX
W5CIA
W5TCX
WI8A

321

AA4V*
G3TXF
HB9BIN
IK2YCW
JA0GJJ
JA1XEC
JA3AZD
JH1IFS
JH3CUL
JH3VNC
JH4ADV
K2VV
KX4R

N5XZ
OE6MDF
OE8RT
SM6DHU
SP7VC
SV1FJA
UT7UJ
W4FC
W8GC

320

AA8CH
DM5EE
G0BLB
I2EOW
JA3PIS
JO7WXN
K1LD
K4EM
KQ8M
NE1B
UY5ZZ
VE3EXY
W3KX
W5WT
W6XA
YV1DIG

319

DJ4AX
DK1FW
EA8AKN
HB0CC
IK4DRR
JA9TWN
JI1DHY
JR7VHZ
K6AM
N4DB
N4QS
ON4AOI
UA3AP
YO3APJ

318

A45XR
AA4HP
DL6KR
G4PWA
JA1ANR
JA2JNA
JA4EPE
JH4JNG
K2TE
K4IQJ
K5BG
K5DU

LA2PA	G3VKW	JR1BAS	KC7V	W9MU
PY5EW	HA1RB	JR1BLX	LA9AJA	WA8WV
R3VA	HK3W	JS3CTQ	NS6C	WE9R
RA7A	IZ1LBG	K4SO	RA0FF	
RW3RN	JA8RJE	K6KLY	RL9F	307
SP1MGM	JA9CWJ	K9US	SM2OAN	A65BR
SP3CGK	JN3SAC	KG4W	SP6HEQ	DK2JX
VE3LYC	JR2BJE	LA7JO	W0YG	F2JD
	K8NVR	LB8DC	W4BP	I5HOR
317	N5OK	N2NL	ZS1LS	JA2XW
AB9V	NN4R	N4TL		JA3GN
DJ5FI	OE3EVA	N8KOL	309	JA6WJL
DK2NG	ON4IZ	ZS6EZ	JA1EOD	JJ3HGJ
DL5WW	PY2NQ		JG4AKL	K2SHZ
HB9HFN	SM3VAC	312	K1AR	K9RX
JA2IVK	SV2DGH	AA5AM	K2UU	LU8EKC
K2RW	WB0TEV	F3SG	K8QM	NI6T
K6YUI		JA1SYY	K9ZO	W7DO
K9MM	314	JA1VSL	NN4SS	W7OM
KE9L	CT1DKS	JA1XCZ	NU8Z	W9JA
UX1UA	EA1N	JH1AGU	R9TO	WA5VGI
W6VX	EA6VQ	JH1QAX	RU3DX	ZS2DL
WD0DAN	G3NDC	JN1BMX	RX3AGD	
WX4G	IZ8FFA	JR6FC	UA4LY	306
	JA2AH	K1HT	W2JU	9K2OD
316	JA2ZL	K3RA		DL1KUR
AB3CV	JR4OZR	K5XI	308	DL5EBE
DF2UU	JR9LKE	N1IBM	DL2CHN	HB9DDZ
DL6CNG	K2LS	N5ORT	F4BKV	I1EIS
G0OIL	K5AQ	RU3QR	HB9TKS	IK4PLW
IK2QPR	KB0EO	SV1CNS	HK4SAN	JA2VQF
IW1ARB	LA7AFA	UT2UB	IK4ADE	JE2LPC
JA5XAE	MD0CCE	W7CT	IU7QBB	JR2UBS
JA8EAT	OE1AZS	W8HW	JA1IZZ	K5WAF
K1BD	OE1ZL	WD9DZV	JA2WYN	KD3CQ
K3WA	SM4DDE		JA7IC	OE5RLM
K4HB	SV1DPI	311	JA9GPG	R8TX
K8YTO	SV1JG	CT1FMX	JE2EHP	R9FM
KG8P	UA6MF	IK0PEA	JH1SJN	SP5IWA
N5DG	UX0FF	JA2XYO	K0GY	UN7JX
SP1JRF	W9RN	JA4MRL	K0KVR	US5WE
UA3DPM	WB8BPU	KM4H	K8OM	W5AJ
W1GL		OE3SGU	K9MK	W5XC
W7MO	313	OZ4O	KI0KB	ZL3JT
W9ILY	5B4MF	PY2XU	KN5O	
WA2VYA	CT1GFK	UR0MC	KS1J	305
WA7NB	I3BUI	WB9CIF	N8TR	AJ6T
YB5QZ	IZ2AMW		NQ1K	DJ4XA
YO7LCB	IZ8FWN	310	R7NW	G5LP
YS1RR	JA1GRM	HB9SLO	SP9JZU	JA1IOA
YU3AA	JA5IU	JA0CRI	UR5EDX	JA1WSK
	JA6VQA	JF8QNF	VA5DX	JA2NDQ
315	JA7JWF	JG3FEA	VU2NKS	JA7BWT
9H1SP	JA7QVI	K0KX	W1YM	JE6TSP
AA5AT	JF2UPM	K6RO	W2QO	JH7RXU
AB6QM	JG3LGD	K8AC	W5ADD	K0JUH
AC4G	JH1NYM	K8FL	W6ENZ	K3XA

K9NW	WD4LBR	XE2CQ	EC3A	N2LM
N9AU*			IW0SAF	N7IR
PA5TT	301	298	JA1BPA	PY2IQ
RA9CMO	AE5E	5B4AHJ	JA1FQI	S55DX
SM3NXS	CU2AP	CT1FCX	JE2DZC	WA4FFW
YB1UUN	HB9BOI	DL7BA	JH4ALY	
	HP2AT	JA4ITW	JM1FHL	292
304	JA0DIN	JA5BEN	JN1RQV	DL5CW
DJ9ON	JA1LSP	JA7MYQ	K0BBC	E72A
DK5AD	JA1SVP	JL2JVX	K0TPP	EA5AT
HB9CEX	JE1LFX	JR7WFC	K1GG	G8DX
JA9FAI	JG8FWH	K2PK	K4XD	HB9BAT
JE1DXC	JK1GOK	K8EUR	K5VIP	HL3GOB
K7WP	K4SE	N4RWG	K5ZK	IZ0RVI
K8GI	LA5LJA	ND0N	N7TY	IZ3ETU
N7US	MM0EAX	PY2VA	NA5C	IZ8VYU
N9RS	RN3QN	ZL1BYZ	RM0F	JA3ENN
UY5AA	UN6T		SM5FUG	K5DHY
	WB5JID	297	SP8HKT	K7ZD
		E73Y	SV1GYG	N8II
303	300	JA3RQ	W5LT	R6AF
E72U	AC0A	JE7JDL	W6XK	W4VIC
EA3GHZ	DL1TRK	JG0CQK	W7AL	W6SR
G3LZQ	DL4CF	K6ND		
HB9DDO	EA1AF	K8WK	294	291
HL3IUA	EI2GLB	KG7H	AI9L	4Z4DX
HL4CJG	HB9CQK	KT1J	AJ9C	EA6ET
IK2RPE	IW0HQE	W2GG	EA6NB	G0EHO
JK1EXO	IZ5RVG	W6YI	HA5VZ	JJ1TKN
K7ZA	JA2ATE	W7ZJ	HA9PP	K4ZO
KB1JZU	JA9AA		IT9CVO	KP2A
LA3WAA	K8GG	296	JA1XPQ	LA5HE
OE5BWN	K8TL	AA4R	JA5SUD	N2TN
RL3FA	K8VFN	AA8OY	JE1GWO	N7RO
RW4NN	PA3CSR	AD6W	JH1BAM	PY2KP
SM6CUK	VU2PTT	CT1DOF	JJ1DWT	VE3CFK
SP2BMX	W3OA	EV1R	JR1DUP	W7BEM
SP3IBS	W3RJW	GM0AXY	K7ZV	W8TN
SP7HOV	W6TC	IV3YYK	KD0Q	W9FR
SP7ITB	W9AJ	JA1JAT	KZ4V	ZL4TT
SV2AEL	WA9PIE	JK1TCV	N0KV	
W1SKU		K0KT	RU6L	290
WT8C	299	K3FRK	SV3DCX	AA4A
	4X6ZK	K3PA	W3JX	DS1JFY
302	DM2DXA	K6FW	YO2CMI	I4KDJ
DJ5JH	EW2A	K8VC		JA1KQX
F5CQ	HB9RG	LA8PT	293	JA1QXC
G3SVD	IK5RUN	LU4FPZ	DL1HRN	JF1NZW
HL2IFR	IZ4MJP	N0RB	DL1SMA	JH3GCN
JE8CLT	JA7LGE	RA3QK	EA3WD	K1DG
K4MS	K6SIK	SM6BZV	G4GIR	KD0PO
OH8LXT	K9SM	SV9COL	IK0HFO	LA2QM
PY7DJ	KB8VAO	UA6YW	IW1QN	LU3CQ
R5DT	N9FN	YO2RR	JA2CXF	PP1CZ
RK4FD	UA9FAR		JA3EOP	RD3AW
W0VX	VE3BW	295	JH0BQX	S57AT
W4QN	WA3AFS	DL1DUO	K4JAF	SK3PY
W5VY				

SV3AQR
UN7LZ
UN7TW
W1EQ
W2LK
WB9EEE

289

DL9TJ
HB9RYZ
JA8EJO
JA9FPI
JA9IFF
JG1WSC
JH4GJR
K3UL
KK0M
R0FA
RA1QD
VE3EK
W9YSX

288

CT3MD
JA2JRG
LZ2JE
N4LR
N5LZ
N6UK
ON6AA
UA3AGW
W1YIF
W2LE
W2NO
W3FOX
ZS1A
ZS2EZ

287

9M6YBG
AA8LL
AA8R
IV3GOW
JA9NLE
JE2OVG
JF2WGN
K0AZ
K5RT
LA3MHA
N3VA
N8PW
R9SA
SM5ARL
W1VT
W4YCH
W8AV
WA6F

286

AB5A
CT3HF
DL2VPO
IK0AGU
IK0XBX
IZ8XQC
JA2FGL
JE3ENP
JH1BNC
K1LPS
K1RO
K5PS
N8SNM
UR5WA
VE1JBC
W3GQ
W6PJ
W8AXI
W9MJ
WN6W

285

CU2DX
DL2SWN
EA3GHQ
EA5KA
HL2WA
IK8VRH
IZ8DFO
JA0PE
JA2IYJ
JA2VMU
JR8AMF
K1USA
K6GXO
K6PJ
KJ6P
LA8HGA
N8LJ
OE1WHC
PE1L
W1OPD
WK7E

284

DL6JZ
EI9FBB
GM3PPE
GM3YOR
IZ3ENH
JA0DET
JA8CJY
JG3SKK
JH3SIF
OE2GEN
OH4UI

SM0CCM
SM6CTQ
W2AY
W4FQT
W5ODD
W8BBQ

283

DF2GH
JA1RTX
JL1XMN
K3WW
N6TA
OE8SPW
OH1ZK
W1LW
W6BJH
WT4Q

282

K1DT
K5UO
K8ROX
PC3T
SM4CTI
UA0BA
W4OX
W9HBH
WA3C
XE1KK

281

AD5Q
BA4RF
EA5OX
F3AT
I1FQH
IZ8FDH
K0GD
N2WB
N5GH
OZ1IKY
SM5ENX
W0LS
W8HC
W8KEN

280

CT1EAV
JA3XNH
JA6TMU
JH1HHC
JN7DOS
JR6LLN
JR7FRW
K0TT
K4WNW

N2JJ
OH1JP
PY2DS
SM0NJO
SM5CZK
UT7UV
VK3HJ
W8LGJ
ZS4TX

279

AA6AA
HK1MW
JA2XCR
JA8DNV
JE8TGI
JF2XGF
JH7BKN
JK1UNZ
JO4CFV
KF2DT
KQ4AV
VE3DZ
W4UCK
WB2BIN
WO7R
WS5W

278

9A4T
CT1FPQ
EA8RR
EI9JF
F2NH
JA8LRG
K2UR
N4HB
N9ISN
SM4AZQ
VE3CRG
W4MAY
W8MHW
WF2S

277

EU1KY
F5PBM
F5UJK
IZ4DPV
JA8EOT
JH3KAI
K2AJY
K8UT
N9RD
ON4CAS
SV1FJP
UW2ZM

W1KSZ
W1YRC
W2PP
W3BW
W8RLS

276

DK3WW
HB9LCW
IZ5BAM
JA7FWR
JA7LMZ
LA0FA
LA9VFA
N5MOA
ND4X
NK0S
OZ1LCG
RX4HZ
SM5CLE
UN3G
W1ZT
W2OIB
W5GO

275

AB4SF
JE1BMJ
JG1OGM
JI3CJP
K1CA
N6PSE
N7KA
ON5UE
PA7RA
WA0RVK

274

7M4AOE
EI6FR
EW1KP
IW0HOU
JA8ZO
JH1IAQ
JM1GHT
K3PT
K6UM
K8DV
KA8SYV
KA8ZPE
KS3F
NA5DX
RA5BM
SV9AHZ
UA3ECJ
W3ACO
W7MEM

273	W1MK	K5VWW	W6TMD	LA5SJA
CT1BWU	XE1MEX	K7XB	WV4TN	N9UA
DH2PC		SM5BMB		OM8FR
JA1KPH	270	W6DR	263	SM7CQY
JA2TBS	7K1PTT	W6RS	DK4TP	W0JM
JA6BEE	AA4FL		EA3CJ	WA5LFD
JM2RUV	BA4MY	266	EA4DL	ZS6WB
K4RG	DK8MCT	EI8IU	HA7UW	
KA1ERL	EA1KY	IK0UTM	JA7XBG	260
KI5BLU	F9XL	IW7DVM	K1KO	AA9A
LB2TB	K0BJ	JA3BXF	K4KAY	EA8MT
N4IG	K7UA	K8AJS	K8FH	EA9IE
N4JQQ	K9JF	NU1B	K9FN	EC1AIJ
N4QQ	N6RV	PZ5RA	KN6KI	F6HLC
OZ1ACB	OE3HWC	RA4CA	N1RR	FG5FR
OZ4VW	PU2POP	SV1HEP	N7BT	JA0KJE
RW7M	VE6LB	VE3YF	NA5Q	JA2FBC
W4HG	269	W0FLS	NF1G	JA3VPA
W8QZA/QRP	HB9IQB	W7YAQ	SM7IUN	JA3WLN
WA0MHJ	IK7FPV	W8MET	W0GG	JH3FUK
	IK8EPC	WB2GAI	W2XI	JH4ADK
272	JA1OVF	WB3LHD	WA4LOX	JJ2WOC
AF9H	JA1VLK		ZS6NJ	K1ESE
DS5ACV	JA4VLK	265		K8YSE
I5OYY	JA6GPR	4F2KWT	262	LY1G
IK5PWN	JH3FHQ	G3WPH	CU3EJ	N1SV
JF1LMB	JP1NWZ	JA1VRU	I5REA	N6MZ
JH1OBS	K6EME	JA4FM	JA8BAR	NT5V
K1UU	KR0P	JE2RDO	K8AV	SK7AX
K6IPM	NW7E	JH1ACA	LA6UL	SP6A
K7EG	OM4EX	JR1WCT	LA9FFA	TG9NX
K8BL	SM5FWW	K0DD	N3RC	WS9V
K9MBQ	YB1AR	K2CBI	N8OC	WV8DX
KB1EFS		K2SN	NK4L	
KI4GE	268	N5KM	NX0I	259
N2DPF	HB9BUN	N9JV	W5ZG	CT3KN
NV9L	JA1IAZ	SP6JIU	W6NWS	DJ8NT
OE5FIN	JA1NWD	VE3SKX	W7LGG	EW1BA
PA0ZH	JH4HMG	W5DM	W7QDM	JA8BNP
SV1ACK	K2KA	264	W9PZT	K2UFM
W2OO	K6BV	4Z1UF	WA3GFM	NI3P
W3AP	KD4W	EA1KP	WB8ART	PY5CC
WA1S	N2AJ	F6DBX	WQ6Q	SV1FKZ
WL7E	N5JB	HB9DHG	YB2DX	VK4CAG
	SM6BGG	IK4AUY	261	W1KDA
271	W2FV	IZ0NRG	7K1CPT	W7AH
4X1RU	W9OO	JA7HRM	DK3PZ	258
HL4GAV	WA1YTW	JF2WXS	EA3EQT	CU3EQ
IK2DZN		JR4LNG	G3UAS	DK7YY
IZ8EJB	267	K8RRT	IS0AFM	HI8R
JH1OCC	DL4DW	N1EN	IZ8IEV	HL3AMO
JM1HJG	HB9MFM	N1GC	JA3FHL	JA9AGN
K3PU	IV3VBM	PA7TWO	JH2PWY	JR3UIC
LA9GX	JA2QXP	SV1CQN	K2FW	KH2L
N4UOZ	JA7BEW	VE6AX	K7LJ	SA0AQT
NN4X	JA8UIV	W5PF	KM1D	US0YA
UA3TT				

W1SSN
W5JAY
W9EWZ
ZL2IFB

257

AF4HX
DJ0UT
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EA1JO
EA7SG
EB3CW
HA5PT
IK2PZC
JA6OXT
JE1PNX
K1SM
N1API
N6HC
PY2MC
RU1AB
SV1VS
W3FI
W8MJ

256

BH4QYX
EC1A
FG8OJ
GU0SUP
IK4HPU
JF2VAX
JH1RGG
JJ1BMB
K4JJW
K6EID
M0TTB
VK3NX
W6DE
W8JRK
WB7B
WV9L

255

AI6Z
EA5RD
F6ECI
HC1BI
HL3DE
IV3TMM
JK1OPL
K1FEV
KR4F
N1RK
N5BO
VR2XMT
VU2CPL

W2/CT1GIF

254

BA7IO
CT1BWW
IZ5YHD
JH1VUO
JH2VVH
K0GW
K3SEW
KI1U
LA5YJ
NE8P
UA3O
W7HPW
WB4KTF

253

AC9O
FG4NO
JA6IVR
JA8XQI
JE1HRC
K6MKF
KE1F
KM6HB
N7XR
UA0FO
W6RW
W8GNM
WF4U
YB0COU

252

DL7UPN
F1ICS
G3KWK
G3NKC
JA1BNW
JA4HAW
JF3PNQ
JF6XQJ
JH4CBM
JL1BYZ
JR1VAY
K1EFI
K5FZ
KB9DAK
N6PM
OH7TV
W2GW
W2ZI
W7CA
WA4CEM
WA4JQS
WV6E

251

9A4W
DL2RTL
JA1DDZ
JA1EMQ
JA1SKE
JA5BGA
JE1VTZ
JH1DGJ
K4VIG
K8CW
KG9Z
KJ7TEA
N4SC
N5UL
NV4B
SM5FQQ
W2JLK
W2TB
W3ABT
W4SK
W5GAI
W8OP

250

6K5YIA
EA1RT
HA7TM
HB9EBM
HB9EFK
JH3GFA
JH6PFY
JL1MWI
JR0EQQ
JR5JAQ
K1KA
K9YC
K9ZM
KQ3F
OH2IS
PA0JSE
PY2FN
W7IU
YL2KF

249

AF5CC
HL2CFY
IZ8GGF
JA8FFM
JH1APK
JH8GEU
JJ1QUV
K9NR
KF7F
N0RN
N3KN

NH6T/W4

OZ5NJ
SM4OLL
UN3GX
VE3YV
W0RX
W8IQ
W9RC
WB8K
XE2D
XE2X

248

AK5X
DS5DNO
EA4DEI
G3VPW
HB9DOT
HL2KV
JA1PBV
JE2VLG
JJ1SKG
KF9UG
N4QWZ
N4XP
N6KZ
SV1IW
W8IW

247

AA7G
CT1FUH
K1PL
K3VAT
KH6M
N7DED
NA9RB
OZ7FOC
PY5IP
S51NM
W7IB
W9JJB

246

GW4TSG
HL2EIZ
I0JBL
IV3KFB
JK1WSH
JR7GBL
K3EA
KB6CIO
W1KMA
W3ICM
W5ZO

245

AC9EM
AJ8MH
G3KMQ
HB9JOE
JA3QOS
JJ6DGP
K5IB
KF7PG
N0AH
N2NW
NZ3O
OE3KLU
S55ZZ
YB0NFL

244

EI2HY
G4FKA
IK8UHA
JA1CZI
JI6IHG
JN1NBU
K0KG
K1YR
KK1W
W0QQ
W4REX
W5PJR
W9FI
WA2USA
WA3F
WA8MCD
WC3W

243

DS5TOS
G4XRV
JA2EPW
JS6TWW
K8ME
W1BR
W4PNY
WX2U

242

EI9FVB
JA4ZA
JH1ERJ
JH1WJR
JK1VXE
JR1MLU
K3NQ
K3WWT
K4PB
K7FEL
KJ7M

LU6ETB	N8SHZ	WA1PMA	K8EAB	WB2NPY
N2NS	WA6JA	WY6N	KK9H	
N6HY		YB2TX	N9BX	229
NF4A	238		NE3F	AA3LX
PA3BWD	IK2GAJ	235	SM0XBI	AE0P
RC2A	JA0LXP	EA5B	W2NRA	DL8SDC
VK3BDX	JF0JYR	EA7QW	W6YOO	JA2VHO
W8CZN	K9GA	EU1U	WB2KSK	JA7QQQ
	K9OR	JA0KJD	WD8PKF	K0HD
241	KA4RRU	JE1IBI	WE4S	K3FM
AB5C	M0CSD	K0E0O		K4CMS
E21EIC	N4PJ	K0VSH	232	KD1F
G8AJM	N5ZC	K4YJ	EW4C	KI4DLS
JA6AVT	VU2CDP	K5CWR	G3XLF	N4NW
JH1UBK	VU2DCC	K8ZM	HB9DVO	N9JR
JP1IOF	W3MR	N2FF	HL2ZN	NE6I
K1XV	W4KA	N4IQ	JH0OXS	UR5FEO
K7KB	WA4QMQ	NA5Z	JH6DUL	W1WC
KV1E	WB0TVY	NJ7G	JR3VMJ	YB1TJ
N4OA	ZL4AS	NW4M	K4ST	
N9SF		TA1CM	K5FNQ	228
W5DNT	237	W2DXE	KB1DMX	7J1ADJ
W5QM	CT1BOY	W7YW	N3PS	AA0MZ
WB8CQV	G0VXE		N9PGG	F1RAF
	HB9CXZ	234	NY2NY	F5LIW
240	JH1DGQ	DF7EE	RQ3A	G3SBP
G7SSE	JR0QFA	DK2CC	SV8DOU	JA1OVD
IW3GJF	K1RV	HB9BYQ	W6CYX	JF1RYU
JA1DM*	K2NV	HS1NGR	W9ZCL	JF1WLK
JA2FSM	LB5WB	IK0LNN		K4KGG
JF2OZH	SM0MPV	JA2OLJ	231	K5CD
K4QE	UN9L	JE2EBT	AD5WB	KE0A
K9JU	W6AER	JH5HDA	DK6OR	KE4UW
KE8UM	W8UN	JK1BSM	IK1IYU	RA3QUA
KF0LA	WA0ROI	JR4LZX	JA1MZL	VR2CH
KZ5DX	WB8B	K0VM	JH0AWC	W5LO
N0ABA	WB8ZRL	K4JC	K2RU	
N4HID	YO3JF	K4MF	KD6UO	227
PY2GG		K6ZZ	LZ2XF	DF8FT
SM3LGO	236	KE5FXE	N8HRZ	DL2RUM
SP5LKJ	HB9DQV	KX2A	NA4EA	I0MWI
UX5UO	HB9ZS	ND4V	SM7NDX	JA0DWY
W0SZ	IK2DUW	SV8CKM	W4UDH	JK1SQI
W8WEJ	JA1HOM	W3WST		K1GE
XE1RBV	JA1JYE	W9MO	230	K2TER
	JA3KNN	WA5UA	AH0U	K5GH
239	JN1NOP		G3LUW	N1NU
AG1A	K1ACL	233	JA5NPV	N6OJ
DJ9RR	KM3J	AA9GR	JH7WQX	NA9Q
IZ1JMN	KS4S	AA9RR	JI1VVB	W4DEE
IZ2FOS	N4GN	AJ4A	K2SY	W5RF
JA6CBG	N6IE	DH0GSU	KC9K	W5SL
JA7KE	OE2BZL	DS3HWS	N4TOL	WA9GON
JA9NFO	PA0TCA	EA5AR	W2KA	WC2K
JE2UFF	W0HBH	JA3NHL	W8FIB	
K2XF	W2YR	JH1SOD	W8WVM	226
K8YYY	W4GIW	K8BN	W9YE	DM2RM

I0OSI	ZS2Y	K1DJ	KK2M	W0KCI
JH1IED		K1NTR	KU4BP	W4WN
K2BA	223	K1TZQ	N6QI	WB6BFG
K2HAT	AB4UF	K4EU	OZ0J	
K2SD	AF2C	K4MIJ	W0TM	213
KK0DX	EA7DUD	K5MT	YO3IPR	9A1AD
KK4OK	HB9HBZ	K6MM		AG3V
N2KX	I8MTQ	K7AWB	216	DK3UA
N2SQW	IK0WRB	K9WX	AC4VM	HB9HIT
N5ET	IK2RZP	KV4T	CX2CC	IV3FFI
N6BM	IZ8MBW	KZ9DX	DJ3XG	JA0LFV
N9AOL	K0NV	ON4ATW	I1YDT	JA1FVS
NG7M	K6IPV	SM0DSF	IT9AAI	JG1JPE
VE7TK	K16CG	UR4IOR	K7LV	JG3RWX
W7HR	KV4AA		KK4OW	JR1EFG
W9DX	KW4V	219	KR4W	KD4SN
WB00	N4ENE	AA8SW	KX4TT	N6PEQ
	NY1V	F5JSD	LB6KC	N8GP
225	W8LMG	HB9BNQ	NC4RB	NA2M*
DK5RL	WC4H	HL5BMX	PS8ACL	SM7GIB
DS4AOW		IK5QPS	W0SR	VK3FM
EU1M	222	JA1FJJ	W5VQ	W1LE
JA0EVI	AK5Q	K5JZ	WB3D	
JA4CZM	DJ9SO	KD2T	WS1L	212
JF1MTV	DL5XL	KE6V		G4ZOY
JH8NQV	E77S	KG6I	215	JA1BWA
JL3OUW	IZ7AUH	KI7AO	9H1EJ	JA3LDH
K0IL	JM1VRW	KR2Q	AA7XT	JJ2KDZ
K0OK	K2AT	KR6C	DS4GKF	JR2PZX
K1JIU	KB5UNX	N1KC	HB9IIO	K3SX
K3SF	KS4YT	N6DX	I5XFD	N4FN
K4JWA	KU8X	W5GA	IZ0BVU	SM5AOG
K5YU	RA4P	W6GRV	JR0AMD	VK5GR
MU0FAL	VE7BV	WA3I	JT1BV	W5DAW
N0ODK	W5THT	WW8W	KF4NEF	WW2DX
NA2AA	W5UQ		KO6KD	WY1G
W0FG		218	N8NN	YL2TW
W5GZ	221	DL2NOM	RN9N	
W5TFW	EA2AAZ	DL4NBE	W0TT	211
W8UV	IZ1JLG	EA2AFV	W1JGS	JE2KSM
W9KVR	J11NJC	G4VMX	W4IS	JJ1JMZ
WE1P	K1NJ	I7PXV	W6SL	JJ1KZZ
YO9FNP	K4CGY	K5ALQ	WA6HBR	JO4JDU
	K4MV	KE3D	ZL2AL	JR1JGA
224	K5DV	N4JT		KT2C
JA8NFV	K5ZQ	SM7WVZ	214	M0HIH
JH1OGT	KU4XO	TZ4AM	3A2MW	N1BY
JO1LVZ	RU0SN	W3BJ	DJ3AS	VR2XLN
K1CBK	W0BM	WA2NPD	F4GVO	W6UC
N3RW	WA0WWW		HB9VAB	W6WF
N7WO	WB0N	217	JA7DPC	
RW4CY		IK0CHU	K0QQ	210
SM7BHH	220	IT9ODQ	K2AZ	AA4LR
SP6AXW	AA6RR	JA2NNF	LU4FW	CU3AN
V51B	DL4LAM	JA7ZP	N9KW	JA7FAS
W7NN	EA5DFV	JG5RVQ	PY2RO	JH6RTO
WN6K	JP1GUW	K1RH	SP7ICE	KD8RQE

N8BK
ND3L
NU1O
PY2WC
S54A
W5WP
W7FP
W9IL
WA9BZW
WK8A
YB0DJ

209

JE1PHH
JH8UQJ
K0LB
KB2FCV
KB4MRX
KO8SCA
N4TD
N9XX
PU1KGG
SM5BNK
W6DCK
W8BLA
W8HMK
WB0ULX

208

7N3IJT
DL4FAP
HP2NG
JH0NOS
K0THN
K4WES
K5RJ
K9SG
KC2SST
N4SV
N6ZN
N7WS
NW6S
W1FA
W5FPT
WA6G
ZS1J

207

9K2BM
DG5LAC
JA7MAD
JE3EDJ
K6ZP
KE1VT
M0IKW
N9AKR
NW7US

OE1JIS
ON4ANN
RD9M
TF3DC
VK2CA
W1AW
W1MJB
W4GE
W6KK
W9QO
YB0MWM

206

AG5W
CT1HHP
HB9CRV
IW9DNI
IZ4DIW
JA4DNC
JF1IRW
JH1FVE
K8NK
KK5OQ
KK9T
KW4CQ
LA6OP
N7NF
N8BJQ
NJ1H
W7IUO
WA3WZR
WI7P

205

AC9S
DL6UNF
GM0VRP
IK3GBG
JA4DHN
JA7JM
JA7MNF
JO3WHB
K4YYL
K5VR
KT4AC
KW1DX
N2KI
N2ZA
OH3OJ
WA4MME
XE1J*

204

JL1GYZ
KB5HC
KK8MM
KM9E

N7ELL
VU2IBI
W4GP
W7IV
WB8BZK
XE1L

203

7L2QAD
DF3EC
F5NBX
IK2RGT
IZ0BTV
JA0CIU
JA7JPZ
JH8NBJ
K0CS
K1VI
K4GO
K4JKB
K8YE
K9OW
K9TF
KA1DJ
KL7TC
KM7R
N4TV
N6PAT
W1DYJ
W3BNN
WA3FRP

202

BV1EK
DL8DWL
IK5BOH/2
JR1IZM
N8WD
NN9X
W3NS
W4RDX
W7TUS
W7VY
WE2N

201

GI4OWA
IZ0GYP
K0MFI
K2CYS
N4PYI
OH2LHE
RT5A
W1OP
W6AEA

200

HB9AGO
HB9FBG
IZ5FSA
IZ8EKL
JA3EY
K1ZJA
KC6JAM
KM4VI
N1IA
PY3VB
VK6LC
ZS1DX

199

AA3TH
AC0X
AD4AA
DL5EBS
HI3T
JH0RVY
JI1WLL
JM1SZY
JR7ILA
K4SX
K4VNY
KI4WCQ
MU0GSY
N2RR
NC2Y
ON6KE
PB9FN
V51YJ
W6JZ
W9LN
W9RXJ
WB4YDL

198

AG7N
DJ0MCH
IV3BSF
JA6ENL
JM1ESG
K7PT
KA1J
KZ1W
N3ND
NN5E
RA3BL
VK6OZ
W6SHY
WA2VQV
XE1FAS
YV5LI

197

4X4MF
BA4TB
EA1DLU
EA5HM
F4WDL
IV3AVQ
JA2MNB
K6TAR
K8SIA
KD1AB
W2CQ
W4DAO
W4HZ
WF8R
WQ5R
XE1H

196

CT3CD
DF2UA
G1VDP
HB9ESS
I7LGM
I8YAV
JA1XRA
N2GZ
N3QE
N4HN
NA9A
SP3F
SP5MXZ
W3ML
W5AAJ
W6HYI
WB5NHL

195

CT1ELF
K3DFL
K3NF
K4KEW
KE4S
KF9AF
N3XM
NA6MG
NN2D
OH6NIO
PP7LL
SQ7FPH
VE3YXO
W3SB

194

A65BD
EA5ZR
K1LT

KP3AH
KR8T
NJ3K
SP6EY
VU2LBW
W4DC
W5UHQ
W7PAQ
WA1NXC
XE1R

193

7L4VYK
AE4CW
DH3KM
I4UUL
IZ5MOQ
JA0AXV
JA1QIW
JA3PRM
K1JD
KM1C
LZ2ZG
NU4B
PY8WW
SM5ELV
SP5IXS
W8NN
WA9DU
WB6CJT

192

F6FYD
IZ7GIT
K6XN
KJ4UZU
KJ4YLO
N4XYZ
UR3EO
VA2IG
WQ5T
XE1EE
YB1TQL

191

AA4NC
G4XEE
HA5CW
IT9IPQ
JH1FNU
JK1AJX
JP1LRT
K1RI
K8QKY
KF2OG
N4DWK
N7MQ

NK7C
NO0B
OV5O
OZ7DN
VK2HV
W5IP
W8UQ
WB4DNL
WF1H
WI8R

190

AA4U
DJ9KV
EC7B
F4DSE
G3WW
HL4CCM
JA2ITK
JA3AVO
JH8KFE
JI2UDK
K5RKS
K5TN
K7UT
K8ZT/QRP
KD0AA
N3AIU
N6MXU
OT1A
SM0BYD
VA3OKG
W2OR
W9ROG
WA8LRW
WB4GLI

189

AA4UC
I0LYO
IV3KCB
JA1SGU
JG1SWM
K3HW
K6UXO
KY5I
N2MEE
N6NU
RM3DA
RN3CT
SM4BZH
W4AEJ
W5SUM
W6DPD
YB4CHP

188

EA7AN
JA0GCI
JH7NTW
JS6SCC
K2AX
K2DC
N2ZZ
OZ9XU
PY2RN
W0PE
WV4V
YO2DFA

187

4X6KJ
AF6PK
IK8GJR
KM4NS
N6VNI
UN7BY
W2CG
W5BK
W5ZE
XE1YD

186

K1BZ
K5EWS
K5QX
K6EGF
KC6X
N5QS
W8RV
WA5IPS
WB9W
WZ4RC

185

AD0K
JK7LXU
K0KP
K3PP
K9AQ
KE5BR
KQ4EE
OZ3SM
UN7BK
VA7ZT
W0QC
W2WG
W6RKC
WV2I

184

AD6ZJ
EA5RU

IK0HBN
JA7FVA
K3JM
N5FEE
NW7M
SM2EJE
UT7KF
W6BK
WB2HJV
WB3BFC
WB5STU
WX0Z
YB1RUS

183

IU0ICA
JA2KSP
JA3UNA
JE4CIL
K6LRN
LA7EIA
NA2U
YB2TS

182

AE4M
I5FLN
I8LWL
IU8IYE
JA6SQR
JI1CQA
JK1DDG
K5DCW
K7LAZ
KG4JSZ
KL0S
KS0JD
LA5LT
N4MIK
N8NA
N8NB
NZ5O
VU3CAU
W6SFK
W7WZ

181

EI3CTB
IZ4AIB
JA1SZN
KY6R
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N6VS
N8AYY
NM1G
NV4A
UA9AEU

W6TK

180

A61BK
AA4AK
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EA2AGV
JH1IZR
K8SL
N7VPN
NA5S
TF3JB
TF3VS
VR2XYL
W0MS
W4DSM
WA6EZV

179

DL5MHQ
IK1ZNM
JA1BON
JA3EEM
JH1XFR
JK1JAS
JR3ADB
K4WZ
KB7AK
KE5TD
KJ6NZ
KZ2R
N3KV
SP5ELW
W0UC
W0ZS
W1HS
W4CCS
W4TUN
W5JMW
W8QXR
WC0W

178

AA8KY
EA8AXT
G4DDL
GM4KHE
IW0BYL
JA1ERB
K1ZE
K3VAR
KL7TS
KU1T
N4ST
N6DHZ
OZ1HPS
W7HUY

WB6AXD	174	171	KI2D	SP7QHR
177	AG4Q	AA5N	N4MI	SV2CLJ
4X6UU	DL5KUA	AD3C	N5MT	VA7DX
IW8CGX	HB9HVG	CT2GZE	N6MB	W4PGC
IZ2EWR	JE4KCN	DL5MM	RD3BD	W8SAX
JE4RAL	JL6USD	F9CI	SV1IZY	WA1ZIC
JF1LZQ	JR3TOE	JJ1BDX	WA6QGH	WA5NOM
JG3KLF	K1XE	JS6QOM	WB8EKG	WB3JFS
K0KV	K5CR	K2TV	168	YO3AIS
K2JL	K7STO	K4NTO	A92IO	ZL3RJ
K2MK	K9HQM	KB0V	AB4GE	ZS6IR
K3OX	K9UQN	KC5LK	EW1P	165
KF4VTT	N7NW	KP4DKE	JA0PZJ	AG6HE
SM5CBM	NG9J	KW4J	JH1ORA	CU3HN
SP9IZV	W5WI	N8WRL	JH3EQP	EI5JL
VK2AAH	WA4BIM	NA6O	K0PC	HK3PJ
W0IKD	WA4NUF	ON6MX	K0RAR	HL1VAU
W0JW	WB8QZM	VU2MSA	KF0RQ	IK0XIH
W1AO	173	W0MU	LU8ADX	JE4WOK
W4KVS	AB6CF	WA4DOU	LX1CW	JF1KML
WD8KND	A19U	WA5KBH	OE1ALW	JR1KBJ
176	DM6MA	170	R4FAN	JR6LDE
DL6NW	HB9DVZ	DL2JIM	SV1XV	K3VPZ
F4FLF	K6UNE	EA3HDZ	VR2MY	KG4CUY
G4AYU	K8JE	EI5KO	WA9IVH	KG5NP
JH8FIH	KI6MQX	EI6AL	167	LA2XPA
JR1FHP	LA9VBA	JA1GVT	JA8BOV	N1QY
KK7YC	N7HN	JG1GJH	JE3FOR	N2RJ
KT8D	N9ATF	JG1RYQ	KA5JSM	N3KS
KW9U	N9DR	JK1BIB	KB8NTY	PT2ND
LA4JGA	N9IO	JQ1PCX	KD3HN	RA0BA
N1JP	NC7B	JQ1YIW	KE3X	RL3BZ
VE1VOX	NX2X	K6JJ	KH6XT	VK3TC
W4LEW	SM0EUI	K7CU	N1ZJ	W2FS
W9WO	W2PD	LA2GH	N4PL	WB2WPM
WA3GNW	W4DTA	LB7ZG	N8JS	WB9PNU
WD4IXD	W7VAS	N3WD	N8OQ	WC4X
175	WA7BNG	N4VN	PT2ADM	164
AG5CN	WY7FD	N6EM	PY2SEX	AC4BT
EA6UE	172	N8VV	WA0SXV	CT3DL
IW1PUR	EI1DG	NJ6W	WA5NFC	DL7JRD
IZ0CKJ	K5TA	NX4TT	166	EI6IZ
JE3PCP	KM4HQE	OH3PYY	AL7R	IZ0GVZ
K1ROA	LZ1XL	VE1OP	DL1SVA	K6CF
K4WY	N3AO	VE2YG	GM7NZI	K6GFJ
KD4POJ	N5PA	W0OGH	HL4XM	KA1API
KF6HI	N6VH	WA4USA	JA1PVX	KB7QFE
KN7D	N7GCO	YO4AUL	JG3KMT	KD8MQY
N7NG	SP5ES	169	JN4FNZ	N2XQM
NS3L	W1ASB	AC0DQ	JR6GHN	N7WI
UA1OM	W2NY	DM3CW	K0FLY	NA2P
UA9AGX	W6FL	JA1KXT	K7CTV	PT7DX
YB1RKT	YB4IR	K0PX	KN4FO	S50B
		K8ZZU	KR4BD	W6SIY
		K9OT		W9CSX

163	K4AR	W1EBM	JL3DGI	K8ROK
4O3A	KM4A	WD5BJT	JM1LPN	K9MMS
AA4OC	N7QT	XE1MW	KA9OKH	K9UWY
AD5MD	N7VZ		N5QZ	K9YZ
AI4QQ	NA6XX	158	N7RD	KF9LI
DS4NPL	OK2ZDL	9J2BS	NK7Z	KK4XL
EA1AZ	SM3PHM	G4SGX	W1MR	LA2IR
F4CPF	W5RDW	IK1UGX		M0MCV
HA5BSW	W6DOE	IK3DVY	155	N0VVV
IK2ULM	W9GG	IW0ECV	5P5Q	OH3FVP
JA0MRW		JJ1KXB	DK3QM	SP5NON
JA4GXS	160	K4HQK	F6KOP	W3DIY
K0ABC	E70T	K8GWU	G0THF	W8OM
K0CF	EA1WH	KB2XJ	IV3TDM	W8VK
K4GN	JA1ITJ	KC3AK	JA0EBV	WB4SON
K4OY	JA1UOA	KF7NN	JA6SUY	
KE1B	JF3VEC	KJ7NO	K2DF	152
KO4PRE	JG2LGM	N0SL	K4EZY	AC6BW
KW4MM	JK1EBA	N4XMX	K4WM	AK9B
LA1CO	JK1NPH	N6MM*	KM2O	BX5AA
N0AMI	JM1JZN	N8TFD	M0IFT	DF2WF
N4KM	JR1CAD	W0JMP	NH6L	DU1KT
N7KDT	K7LY	W8LIG	NO9E	G4AFJ
N9LEO	N0IW	WB2RAJ	NU1T	IK5BSC
R3IS	N4MEC	WB9ZNZ	OE1HHB	K2EK
SM7CZL	N5WA	WT2P	UT7EC	K4RDU
VA2LC	N8IL		W5SV	KD2OV
W1OK	NI5F	157	YB1AYO	KE9S
W1XV	W1TO	AB2E		N8IK
W4PGM	W9FF	E20YLM	154	N9GKE
W8MIL	YO8CRU	EI2JD	AC8TO	ON4LG
WB9B	ZS6RJ	JA0NZR	AJ8B	R9JX
XE2YWH		JA1UBZ	DS5WQT	W6RFF
YO3DDZ	159	JA3MHA	HB9ARK	W7JET
	AA3AZ	JE3OUW	JA0GZZ	YV4DYJ
162	CT1ESO	JG1XBM	JA1IHD	
4F1OZ	DD0VE	JH2NWP	JA4HXF	151
AB1J	DK8IZ	KN7Y	JA8ANQ	DF1IR
BH4IGO	EA1P	N4QM	JE6PJP	DL4KUG
DJ7JC	IK0WMJ	N7JB	JH1AQN	J68HZ
DS3EXX	JA0ED	N9AZZ	JR3QHQ	JA2BUR
HS8KAY	JA4FKO	N9MB	K5DXR	JE1COB
JR4CZM	JG1WNO	NJ6K	KC1ERO	JI3BFC
K0SRL	JH1BHW	NZ3M	KL7NW	K1IG
KC4HN	K0IO	PY1NS	NE5W	K1QN
N4BAF	K1EDG	W3HKK	W4CIR	K3GW
NP3CW	K4SAF		W5TMC	K4DET
W4NBS	K8EB	156	W8TM	K7LAY
W8FN	K9QJ	EA3HPX	WA9MAG	K9AAA
	LA8ZAA	G4FTC	WN7J	KE4BKL
161	N1MD	GM3WIL		KE8G
HB9GWJ	N4GBK	HB9HHH	153	KK4CLY
HB9MXY	N4VG	IZ0FUW	HB9BEM	N7MB
HL3ERJ	NE5S	JA1CCG	JA3UOQ	NU4I
JP7FSO	NF7D	JA2ODB	JR7MAZ	SM0NUE
K2HT	OH3DP	JA9RT	K0YL	VA3EJN
K2OP	VA3NXM	JH2AJY	K3GO	VA3HP

W3HER	148	WW8RT	N2YBB	K7YMG
W5WLA	4F3BZ	XE2B	N4UP	LA8PDA
W6WA	A71AM	YB1BML	N7ZA	LZ2HM
WA9JWL	AE0MO	ZS6UT	TG9AJR	N2TC
WC2C	AI6P		W4JVN	N7TW
	F5NNN	145	W4UFO	NR0Q
150	IW5EIJ	5T5PA	W7VS	NS0D
DK3BK	JF2AIJ	AA5TL	WY0V	VE3NJC
DK3FB	JR3PKO	AC7JM		W5VU
DL9SAD	K5LY	AL7TC	142	W9BS
EI5GM	KA3GWD	DL1MEV	AA4DD	WB1ASL
IT9ABN	KB8ZUN	EA4S	JA1PUK	WW6G
IW7EDZ	LZ1MDU	EA7LS	J11UHZ	YB3MM
IZ2MHT	PY2CP	F1OBJ	K2CJ	
JA7GZM	VE6TL	JH1CTV	K3GT	139
JR7XOD	W4AFB	JJ1OKK	K9UO	F5VML
K5HK	W4AG	K5FXB	KA6BIM	F6FHZ
K8WHA	W8VI	K9GWH	KO4DKI	HB9DTE
K9RT	W9GM	KQ5M	KV7N	HL4CBX
KI7M	W9MAK	KS0M	LA1J	K0QB
KX5U		N6KK	W8WV	K2IRM
N0TK	147	NS4X		K2WJ
N6JOJ	AB9KZ	W3DQS	141	K9TRV
NM4SH	EI7GY	W7NP	7K3QPL	KX4I
ON6ZV	G3VQO	WR7Q	9H1AE	N0CKC
SM0BSO	I4JEE		EA1T	N2SG
VU2NXM	IS0/YO3RA	144	EI3ISB	N5RN
W3KB	JJ0LZQ	AD0TR	HB9EXQ	N7UJJ
W4IDX	JK1OTP	DL6DCD	IZ3XEF	PY2OP
W4NE	K3GGN	GM0VIT	K2JK	R9MJ
WL7OU	K5UZ	K1TKL	K4RM	TA1PB
ZS1C	K8MRT	K7QBO	K5VG	ZL3TE
	KB1HY	K8OS	K8RCT	
149	KB9LIE	N5UE	K9AAN	138
7N2JZT	SV8RX	RN0C	KA5SYP	AC5AA
DS4DRE	VE3FAC	TF5B	KA5VFU	DL5KUT
ER0FEO	W3NRJ	UY2UZ	KE7BMG	DL5ZB
JA0JPD		W0AIH*	N5JED	G0FWX
K2KIB	146	WX3P	NZ6N	JA0CVC
K2RET	AE5B		SV2JU	JA1VRY
K4TXJ	DM5JBN	143	W11TU	K2YSY
K9EXY	EA4D	AA4MM	W1NA	K6CW
KD4EE	HP3TA	AF3X	W3IZ	K9BO
KM2E	JA3KWZ	EI7JZ	W5GOL	KC9G
KP4DS	K6NR	FM5DN	W6HDG	KF6A
N0STL	K8ARY	HB9AAA	WK9U	KU9S
NE0U	K8POM	JA1MOD		N0LD
NU4Y	KB9AIT	JF2RSF	140	N3PV
NZ0O	KM8AM	K2OO	AD9DX	N9BVA
RT0F	N6FS	K6LPO	EI6JK	OD5YA
TF3Y	N6RK	K9BQL	K0UBR	OE6BME
UA9MC	N9MR*	KE4FW	K3HPA	PV8ABC
W1DAR	NJ1Q	KG6D	K4AU	V31CQ
W4DWS	SM3DXC	KJ2U	K5GZR	VE3MSC
W4MA	TF4M	KJ4R	K6EV	W0UHL
WA1EHK	WA2MUA	KN7K	K6GCN	W4EJG
WF7T	WA3SKQ	LB2TG	K7VC	WA1LAD

WA5POK	KC3RKW	KG6WIK	N0AKC	JH4GXE
137	KC9WPS	KI4TZ	NG4DX	K6OJ
DL2RD	N5JEY	KR4DA	NN6K	K7PTC
G3PSM	NX8Y	LA9KY	VE3NKS	K9YKL
HL1MKT	S53MJ	N1BKB	W5EC	KC2WUF
JH1SBE	W3UNX	N5EI	130	KD5R
K2CDJ	W5IO	OH4KRN	AA4QE	KG2U
K2RKJ	W7QHE	OH7HM	DL1SWN	LU6XQB
K6IRA	WA7HR	VU2ABS	IZ0FYW	N0JR
KP4N	WB1DX	W1GY	JA2LMY	R3BB
N9NFT	WB3AVD	W3MF	JH3PRR	TF3MH
NI4Y	WB6FWS	W6OUL	JL4BSE	UR9IDX
OE3JAG	WB9IWN	W9SE	K2MHE	W0QD
PY3OG	WO5I	WA6MRK	KI0HA	W5MF
SM5CSS	134	WB1S	KN4JX	W6IS
SP3EPG	AB0RX	YO3GJC	N2YF	W8BI
TA1AL	DL4ZAB	132	N7TM	W9EBO
W2GGY	EA6AZ	AA4FU	NS4F	W9TO
W4UEF	IZ8DEO	AK3E	OZ6TL	WA4UWD
W9MR	JA5SEY	AK6I	PU4MMZ	WC4V
WA0WOF	JA6GXP	I8NLC	W1MO	WP4CQ
WA5YOM	JR0GXA	IK8OZV	W2FDM	WQ1H
WG0G	JR1HYA	IZ0COI	W9CTJ	YB0AZ
WS1F	K3KY	JA9KRO	WB8RFB	ZS6AKU
YB2IQ	K7FL	K4BNF	YO8PS	127
136	K7RAN	K5SES	129	7Z1HL
AC9GK	K7YZO	KD3UY	AD6KQ	AG4TO
G0OSK	K9JDP	KG8OU	AE7U	DJ5DT
IS0EBO	K9SUH	KI7HO	DS4EJA	DL9GTB
KB8KIM	KA9JCP	KK5ID	JA0AVS	EA4TX
NT5EE	KD2SC	M3DFW	JA1PLT	G8BCG
NT9F	KF5WCP	N3TR	JA2ACI	HB9TJG
ON5GF	KN4OK	N4EDT	JA3WMS	HK6K
ON5RKN	LB5GI	N4QOG	JH1RFM	I2YPY
VE3FRR	N1AH	NN3V	JN1SUT	JA0BES
W0ANZ	N6XT	ON6YH	K7ORK	JE2VYM
W4GH	NC6RJ	SM7DXQ	KB4KBS	JG1LRE
W4PV	PA0QRB	UW7UA	KN4WOJ	JG5DHX
W7KKC	SM3WMU	VU3WEW	N9AVC	JH1HRJ
W7SX	SP2LLP	W3KHZ	SM2YIP	JI1MNT
WX2K	W2KNG	W4MC	VK5CE	JJ2VLY
135	W4UAT	W5FL	W4BH	JR1LZK
AA5H	XE2AD	WA1HXH	W7TG	K2GW
AB4FH	133	WA1KXV	WU7X	K7LFY
DL6WM	7J1ABD	ZS1EL	XE1ILI	KF3N
GM5YTT	DG1SGW	131	128	KS8W
HZ1GW	DL8OH	JF2OHQ	A71XX	LA2LI
JA1DCK	G4NBS	JH1IYY	EA1AHA	N0AB
JA3MIO	GM1BSG	JK8VMB	EA3NG	N0DL
JA7MWC	HB0WR	JM1CMA	EI3IO	N1BZ
JJ1HLL	HK4EB	K0ARM	F4GTB	N3GTG
JL2ULM	JA5IBP	K7GA	HL2DBP	NA1RL
K3WGR	JM1JIV	KA5IAU	JA6NQT	ON5EQ
K4OP	K6ME	KB3IFH	JH1AWJ	VE3EDY
	KC2STA	KD2NF		VU2TMP
				W0MF

W3KN
WA2BOT
WB2KSP
WB9TFH
WC2L

126

CU7AJ
DS3EXT
EI4HH
IK4TVP
IU8GNY
JA5CDL
JA5XPD
K2GLS
K5KDX
K5WRE
K7PO
K8GT
K9QA
KC5RR
KK4CB
KM4CQG
KS4WA
N1GNB
N5HC
N8YQX
N9XG
VE3TMG
VK2DAG
VR2VGM
W7FI
W9COS
XE3E

125

AC4XO
AF8C
EI8GS
G4EHT
IK8PGE
IZ8EYN
JP1GVC
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K5NOF
K9ARZ
KD0KZE
KK5J
KK7BR
NA7RH
NN6CH
SM5AFU
W0XE
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W4AO
W5CWQ
W6PG

WA4TMJ
WM4AA
WR2G

124

7L3SQL
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IT9YOZ
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IZ5BYJ
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JI1DMH
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KC2NJ
KC4AA
KD9ZR
KE8NOA
KK4TKJ
KV8P
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N4LSJ
N5VBK
NT4K
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W6ND
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WW5L
ZL3REX

123

AB4BJ
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JL3RNZ
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LA2XNA
LX2SM
N1GFV
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PY2ADR
SV7CUD
VE3VHH
W2ARP
W2WGK
W4UT
WB8TGY
YB9WZJ
ZS6NK

122

AA0BH
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G0HSA
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IU4BJC
JA9ALR
K0HQW
K1AJ
K3DQB
K4VAC
K9KJ
KB4ET
KN9N
N1ZZ
N4GRC
N9ATD
UT9LC
W1ES
W1HEO
W1KKG
W5HMK
W6HB
WF5I
XE2MX

121

5H8HZ
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JA1EYN
JA1WTO
JE2DOD
JI5WDC
K1LTJ
K3CWF
K9MQ
KK4ODQ
KU2A

N3ER
N5ZY
NA2R
NA4MM
NY4G
OZ6EI
PP2FN
TA1L
TA7AZC
UA0FDX
UR5FLN
W3/NH7C
W3JXP
W4CC
W4KCM
W7PC
W9MB
WA7HQD
WB7BBQ
WQ8T
WT3Q
WU9D

120

AA2T
AC4TO
AE5LK
AI2S
CT7ABD
CU2CE
DS3DNT
DS5QLJ
F5AQB
IK8IPL
IT9JPS
JA1DCO
JH5OTE
JJ1XVA
K3QB
K5TU
K9CHP
KJ6Y
KM5VI
LU3XX
N0TR
N1TQP
N2SO
N3DV
N3GS
N4UFP
NJ8G
NR2D
VE3QAA
VR2ZXP
VU3RGB
W1RG
W5RYA

W6GJB
WT5L

119

DL2VWR
F5BAR
HL2MHU
JA6JYM
K7LOL
LU9DO
N5SIX
N6DW
N8LCU
ON8PHD
SV1BYI
SV2KF
VK7AP
W1ZK
W3MRL
W6ZPL
W8EOG
ZL2AO

118

6K5AQY
AE1T
AJ6X
DJ9KM
IZ0RPS
IZ1JIZ
JA2KPW
JA6CMQ
K9KJS
KA9JAC
KB3KJ
KD9BIE
KG5VK
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KX6C
KY6AA
LZ1XZ
N3HYB
N8KUS
NA9L
VR2CC
W4VG
WA7ZXD
WA8RCK
WB5TOI
ZS2I

117

AD7L
CE3FZ
F8EZE
HB9MZI
IS0BZR

IZ7QFN	AF7WM	G0UII	W1USN	K6SLO
JA8WGX	E74A	G4NAQ	W3WN	K9TVG
JA9KA	HL4RBR	G4YCS	W4LLP	KF8PD
JM3GXU	IW2FLB	HB9GZE	W5GCX	KN6HIP
K0FF	JA0NPQ	JA2CPD	WD8LTM	KV3W
K4AEH	JH8LEY	JA4CSJ	WF4W	N1TQ
K9LCR	K8CR	JF1AZQ	WJ1B	N3YZ
KA4AHU	KB4CRT	JG0HEW	WN1M	PV8AJ
KB2S	KB7V	JH1GNU	ZL3PAH	TF8GX
KB5CSQ	KG4URP	K1JKR		W1ZZ
KO4PY	MM1PTT	K2KNB	111	W5JE
KP4ED	N7PIB	K4JDJ	AD7XG	W6TCP
KZ1X	N7PIB	K4JLD	AJ6V	W7YED
M0NGN	NE1RD	K4TR	AK4N	W8TE
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VE7NY	NW6V	K7MO	F8DZY	W9JJ
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W4ARK	SP5BMU	KA5OWI	HB9ECS	YO5QAW
W4PG	W4OV	KB1OIQ	JA4DLF	ZS5LEE
WB9WHQ	W5WS	KB2TGU	JA5EEU	
YO6HOY	WB4MM	KC0V	JE1TNL	109
	WJ5K	LU3JVO	K2KYH	AA4RX
	WS4H	S52R	K5NV*	AC8AZ
116		SV2DSJ	K8ZEE	AF3K
6K2ILX	114	VA3AYA	K9JIG	DL9QJ
AA0FT	G3CWW	VK7ZE	KI2Y	F5DBT
EA5GXI	HC1HC	W1FC	N4NYY	F8DHE
EI4BZ	I0BJV	W3JM	NT5O	G0MMI
G8GHD	JA1CCH	W6BBS	PT7CB	JA1QEY
IZ2CSX	JA1CPU	W7CD	TA1UT	JA5GOJ
JT1CO	JA8EIA	WB2UFF	TA2RC	JA9IWR
JT1DN	JG40OU	WB9YJE	VA6SZ	JH4GNE
K1EO	JM3XZC		W7WT	JI1ZS
K4GHS	JR4DHK	112	W8PE	K0FD
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K8JRK	K3PL	7Z1CQ	WU4B	K6JAD
K8MN	KB1W	DL5FAC	XE1ZTW	KB3Z
KC1RET	KI8AE	G0DTX		KB7DT
KD5RBU	N3DD	G3YFE	110	M0AQM
KQ5S	NA1DX	GM0SCA	AC0B	N4LS
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N0UCR	NK5K	IS0BQE	CT7ANG	N6RVI
N2ZL	W0QKL	JA4RED	DK4MX	NN8L
N4KEB	W2ZK	JF3AHI	EA1BLA	NS7K
OE6CLD	W8LR	JH0LME	EI9HX	NW6R
RW6MBC	WD0AJG	K0XM	G4VWI	NX1P
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VR2IL	WT9U	K4ZMV	HB9BEP	PV8DX
VY2RU	YB2BNN	K4ZRJ	HG6IA	SP7ASZ
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W7WES	113	KH6P	JH1FRW	VU3WUA
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WA4VJK	DL2DCX	N8AID	K3MSB	W4JDS
WW5RC	EA5DPL	NQ4A	K4KAL	W5SG
	EI2FG	NZ7Q	K4RP	W7CB
115	F5EOT	S51DV	K6DJ	W7VP
AA9WO	F8GB			

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108	JE1CTA	KD2RUY	N9IXD	RV4LC
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AC8MR	K2FJ	KM8V	NK7L	VK3MB
AC9DX	K2ZD	KT5V	OH6IH	W0VU
DB9CR	K4LQ	M0PCB	PV8RR	W5PD
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DL2AMD	K7UWR	N6UOZ	W1MRH	WB4HMA
DL2NAI	KA4LBD	N7MW	W1PY	WB7QXU
DM5TI	KB0EL	N8OYY	WB8LEM	WF8Z
DU1IVT	KF2G	N9ZJ	WD4OHD	WX0B
E70X	KF6XA	NG4C	WK3A	YB1BUL
EA5XV	KI0KN	NI7F	WZ9B	YO6HSU
G5CL	KJ4FZ	PT2DF	YU1LD	ZS6HON
IK1RKN	KR4U	PY2OC	YV4EH	103
JA2DCN	LU5OM	UA0ABB	ZS1IS	AF8P
JA2KGQ	N0MHL	VE3BHZ	104	DS5JMG
JH1OVY	N1UZ	VE3XK	7N4OBV	EA2RY
JR4NUN	NC7M	VU2MB	AA2WC	EI9GLB
K1FUG	NI8Z	W0TLX	AA6XV	FM4LV
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K8LBT	PP5VA	W6KF	CT3DZ	JA7HYE
KC8YG	RM6LW	W7GB	DD8BA	JF1KIG
KE3ZT	SV3EXP	WA3IIA	EA4EJP	JI1FXS
KE7AUB	TA1CQ	WA8Y	EI3HA	JP1KHY
KI4SFT	UX5XK	WV4E	EI4GNB	K0LU
KJ2AM	V31MD	ZL3RIK	F6ARS	K0OOK
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KO4XI	W5HY	AA2F	GW0ANA	K2RNY
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LU2AH	WB2BXO	AP2IA	HB9BMY	K3TXW
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N3TTT	WM4W	E29TGW	JA1DHY	K4PWS
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N5TW	WU1U	EI6GF	JH1MYJ	K6XJ
N7TP	ZP6CW	EI8JB	JI4HKA	K7HV
NJ2X	106	FM5FJ	JQ2MPJ	K9WMS
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WB5ZAM	DS5MNO	JE6UWU	K5JUC	N1MIE
WC4B	EA3AGY	JJ2BLV	K7UW	N8URE
107	EW4DX	JK1AIA	K8WVA	NB3R
AB7RW	F5VIF	JK1AKA	KE4YOG	NI5G
BG8PA	F6JSZ	K0MB	KE9V	RX3BP
DJ5FZ	G0OJG	K1ETA	N1FOJ	VE7XT
DK2GP	G0RPM	K5WE	N3PW	W0PPA
E73D	G3LPS	K7CMZ	N4PAJ	W0RSJ
EA2BFM	HI7SB	K8FB	N4ZR	W2SUB
EI5GSB	IZ4IRO	KJ8N	N8TEM	W4CU
G4FVZ	JA3FRI	KK4MA	N8WXQ	W7KHZ
IC8XIL	JF7NNI	KZ4EX	NA8W	W7UV
IW1PVT	JJ1IRS	LA9JKA	OM6CI	W8EH
IZ1XBB	K6VWE	LZ1JZ	OZ9U	WA8KNE
	KA1CTL	N2YU	PY2YW	WC9C

YB1ALL	DD9WG	WX7B	K4RSA	VR2PX
ZL1IM	DL3XAC	XE1AO	K4TMG	VU2OY
102	EA4OR	YB8HZ	K5KEW	W0RMS
4X1VF	EA4UV	YO2OXD	K5LLA	W1MJC
5W1SA	EA8TZ	100	K5MMH	W2MW
AC0XY	G3VDB	2E0XAR	K5PSN	W4CG
DB2WD	G4GEE	9M8DEN	K5VSD	W4DFU
DL4FDM	G4PUQ	A41ZZ	K5YE	W4YR
IC8SQS	G8GNI	A71EM	K7VL	W5YKU
IZ7QSS	HB9PUE	AA7UN	K9EA	W6OZI
JH1IHG	IK2HLM	AA7UN	KA2F	W9KM
K1MDA	IU2LFP	AC0DH	KA4H	W9ZT
K2DH	JA1KZP	AD4J	KB4DSL	WA1W
K2DW	JA5ALE	AE0SQ	KB6IGK	WA2ALY
K4HR	JA5JUG	AE4VJ	KC5N	WA2VJL
K4KZM	JK3NSD	AF9W	KD1DT	WA3UTC
K6BLG	K0GEO	AK1P	KE1IU	WA3YZD
K6JAV	K3AXB	AK4AO	KF5MDZ	WA6VZN
KA8HDE	K3LA	DB6VH	KF5TL	WB0RXQ
KB1AWM	K5HX	DC1TK	KF9EX	WB2AA
KG5POL	K8PGJ	DK1MCS	KG4IYS	WB2ZEX
KO3F	K9GL	DK7GH	KI0G	WB6RAB
N2CJN	KB5YN	DL3ANK	KI3O	WB6RJH
N2FY	KC3OPI	DL5JH	KI4PG	WD1M
N4IR	KC4ZA	DS4GQR	KK6MF	WD4GZW
N8KOJ	KE9UA	EA5PS	KL2R	WI0E
NA4D	KJ5RC	EI2HZB	KL7XO	WK7W
NN5O	KU4A	EI4DQ	KR4Q	WM4D
R9GM	LA3ANA	EI4GJB	LA4EI	WM9Q
S51MA	M0PTZ	EW4A	M1EMC	WU1T
SM0XG	M5LRO	F5JWH	N0JX	YB6LAY
US8ZAL	N3CAL	G0GFC	N0KM	YE1AR
VK2GR	N4PF	G8GFF	N0VTZ	ZS6CR
W1GF	N8ERL	GW0KRL	N1KI	
W4GHW	NC8I	HB9HFM	N3NVA	
W7FS	NZ1I	IK7NXU	N4GOA	
W7HJ	OZ5JQ	JA7PKV	N5CR	
W7IMU	PA3AIN	JE7KCI	N5LJL	
W9GWP	R2ARR	JG3LDD	N5LKE	
WB4PWZ	RZ6MJ	JG5VFK	N7WFK	
WB7QBS	SV2BXA	JI1LLD	N7WR	
WD6T	SV4FFL	JN1RFY	N8HM	
WD9IOK	TG9AKH	JR4VEV	N8XS	
WN9A	UA4PK	K0FTC	N9MKC	
XE1SAX	VK4BUI	K0JDD	ND0B	
YB0EIN	VU2OT	K1HC	NE3K	
YB9AY	W0ZX	K1JX	NX6D	
YO6BHN	W2FDJ	K1PTF	OM2AGN	
ZS2ACP	W2GHD	K1XO	OR4K	
	W2GM	K2UF	OZ1GCT	
	W3RMS	K2UT	OZ9GA	
101	W3SW	K3NO	PY5VC	
AA9D	W4PM	K3RRR	R2AB	
AB2NI	W6OU	K3WSU	UR8IDX	
AB4EJ	WB5KSD	K4GM	VA2EU	
AB8YZ	WM5H	K4KYN	VE1JF	
C31MF	WU6K	K4QS	VE3KKB	