

ARRL - Fred Fish, W5FF Memorial Award

The ARRL awards the Fred Fish, W5FF Memorial Award to amateurs who submit confirmations for contacts with all 488 Maidenhead grid squares in the 48 contiguous United States on 6 Meters. The following listing contains the call signs and FFMA totals as recorded at ARRL HQ today (14 Nov 2024). Awards are NOT activated automatically; participants must apply to have the Fred Fish, W5FF Memorial Award activated when the qualifying number of credits is obtained.

See the [ARRL VUCC page](#) for details.

488	W5AJ	K0TPP	N4WW	456
AA0MZ	W5FF	K1USA	N7ZO	N4JQQ
AA5AM	W5KI	W0VTT	WD8JJA	
AA5C	W5OZI			455
AA7A	W7GJ	482	471	K4SO
A15I	W7JW	AD6D	AF5CC	
K0GU	W7KNT	KX4R	N5KO	453
K1TOL	W7MEM		WD5COV	K4YMQ
K4PI	W9FF	481		
K4XO	W9JN	W9VHF	469	450
K5RK	W9RM		K7BG	AJ4F
K5UR	W9XX	480	KM0T	N9BX
K5WE	WD5K	K5GZR	N4TB	
K7CW	WQ5S	N7KA		449
K7ULS	WS9V	WB0ULX	467	KF6HI
K8SIX		XE2OR	AD1C	W8TN
K9CT	487		WO7R	
KA9CFD	K7MAC	479		448
KA9FOX	K7TM	W5WVO	466	W5XC
KD5M	K9YY	WA7HQD	KA0JGH	XE2K
KG5CCI	N0AKC		KB6NAN	
KM0A	N7CW	478	N5EKO	447
KO9A	N7IR	AE5B	ND4X	K4HB
KR7O	N7NW	N5WS	WX7M	KS7S
KV5W	N9ISN			N4SC
N0LL	NA6L	477	464	W3UR
N0LWF		NC6K	KB9OWD	W5EME
N0PB	486	W9RN		
N0TB	K1TO	XE2CQ	463	446
N1AV	KY7M		VE3EK	K6EID
N3SL	N0KE	476		N4QS
N3XX		K0BJ	462	NV4B
N5DG	485	KC7QY	K6ZH	
N5OMG	K5ND	KC7V	N6ORB	445
N6JV	K9MU		WE9R	KU7Z
N9LB	N0POH	474		N5NA
N9UM	W3IP	W6XK	461	
ND0B			NA9RB	444
W0FY	484	473		N7BAV
W0JW	K0SIX	NQ7R	458	NI0G
W0LGQ	W5VY	WB0O	K4MY	W4DR
W3CP	W5ZN		KG5THG	
W4UDH		472	N9BCA	443
W5ADD	483	A11K	WB9CIF	AB4IQ
W5AFY	AC0RA	KB7ME		K4XP

N4MM	429 WA5JCI	414 AH0U K7KQA W0GN	W5JAY	383 N4UFO
442 N8OC NE1B	428 K9APW KP4AJ N2NL N4TL	413 WA9LFO	397 K5RT	382 K5PI K6VHF VE3YXO
440 AG9S K8TB KB8VAO W2IRT W3LPL W5THT	427 N4QWZ W3LL WA1EAZ	411 K9MK N9EAT	395 AA5XE K0AZ K5WBM KF7CQ	381 W3VZ
439 WB8ZBT	426 K4ZOT K8ZR N5OK	410 KE7SW KI8G	393 K7XC KK4MA W4TV	380 K7MCX NM5U WA5LFD
438 KB9DAK	425 K6ML XE2X	409 N4HN	392 AF4HX VE4EAR W6OMF	379 N8WNA
437 N9PGG NY0V	424 N4UFP N9AKR W3EP	408 W7BA	391 W4AVY	378 WR7X
436 K3SX K7PI KD3CQ W3TC WB8ART	423 AJ4A NA6MG	407 W4AS W5CIA	390 NJ6D	376 AA5JF K8GI K8VFX N1EVK N2WK
435 K9KLD KF6A WB7CJO	422 VE6WQ	406 AK3E K6FG VE2XK 6M FN07PJ	388 K0IP W4WRL	375 K6QG WB4OQX
434 K1HTV K1SIX	421 K8ROX WB8BPU	405 AA4SC K5CKS	387 K2TER KV4T N4CH	374 AB1OC N6GP N7DB
433 N9FN W9WO	420 VE3LYC	403 KE8KMX NH6T/W4	386 N7IJ NN4R W5TFW W7AH WE4S	373 K4SSO
432 K6GXO N6KK W5TRL	419 K7NN W5AL	402 K3FM	385 KF0M NK1K VE6MB W4WTA	372 W5MO
431 K0TLM N2QT	416 K4RWP K7ND	401 K4CKS	384 AA1ON AB4SF K1GG K8ROK	371 WA6BYA
430 K1TEO KF8MY N5TJ	415 K5OMC K7AWB KO4MA N5SYV W0GJ WB5JID	400 W0JRP W3UUM		370 AG4W K5TN KN4SM KS4YT KV7K N3MK NT0V

369 KF8UN N2DPF	357 K4LVV W5PR	340 N0AN W8LMG	331 K8WDA KC0UDO N4MW N6KZ VE7BV	WW0E
368 KB0V W5RCI W6GMT	355 N2ZZ NY1V	339 KE4BKL VA7FC W5VAS	322 VA6SZ	321 NC7B NS4C W9VA
367 KC4HW KR4BD NT9E W7Yaq	354 K0DEQ	338 N3RC VE3SXE WA5KBH	330 KB8MBC NK0S	320 K0VG N4DW
366 AA4ZZ K17JA N4LR	353 AF2K K0CS K8EB	337 K8ZES W9EWZ WA5RT	329 AA1QD N2JJ W1DYJ W2OR W8WG W9XA WX4G	319 N7US W4ER
365 K4JJW KG7CW KZ2I WB4EVH	352 NZ3M W0KKK W1JR WA9PWP XE2ML	336 AC9DX FG8OJ K5KDX K7BV K9QVB/9 VE3DS WO9S	328 K6ME N5PT W2CNS	318 N3ALN W4HY
364 AB5EB JA7QVI N6QQ W7FI	351 AA4FL	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	327 K6EME KJ5RC N0YO NU6S W9DCT	317 N3PS W1SKU WA7PDC WO2T
363 W4NH	350 AB9BH N6VI N8YO	334 K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	326 K2ZD K5DTC K6LMN K6TDI KD5XB NG7M W7JLC WF7T	316 K3FN KA0ABA N1KDO W4UCK W9BWR
362 WA5OLT	349 K8JH KA0BAD	332 AA7UN N4JDB N7KDT VA3IKE W9GM	325 WA2AEY	315 K5VH KG6AY NY2NY
361 K7XB K8BL K9NR N7MB N8KOL NE9U NG4C	347 KT8O	331 KM4HI KN4NN N0IGZ W3GQ	324 K9SH KU4A N2BJ N8HRZ VE3TMG	314 KU4XO
360 AA4FF K6UM (CN85) N3OC	345 W3XY XE2YWH	330 K00OK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	323 K10E N8II W4MAY W8KEN	313 K0TC N6NR NF4A W4GLV W5RKN WA1NLG
359 NI0P	343 AB4EJ K5EK	329 AA1QD N2JJ W1DYJ W2OR W8WG W9XA WX4G	322 VA6SZ	312 AF6O KA2GOJ WB3LHD
358 K5RLA	341 KD7DCR WA7YAZ	328 K6ME N5PT W2CNS	321 NC7B NS4C W9VA	

311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S	290 W3HDH WA8EFK	280 JG1TSG N0KV NM5Z	K7NII KB7FUV W3HHN
310 AA8SW NJ7G VA2WA W9KVR WO4DX	299 VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA NQ7G W4LTJ	279 AA8MA KF9UG N3JPU W0RH W0VHF (EL87) XE1FAS	270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B
309 VE3XN	298 KD4WSC N1NK N4IQ	288 AA4LR HC2FG K1NU N6AR W1DU W4HLR	278 AA9D AJ4W K3JT N0LNO N8BJQ NN1N WA4HFN	269 K1GJQ K2IE K3ZO KD5R N5EPA N5WD
307 KE5K W3ATV W9RPM WB4KTF	297 N8YQX N9LF	287 JE1BMJ N8CGY	277 AC7JM NS4T PV8DX	268 K6OJ N9ZTS W0KAN
306 K6RO WV9L	296 K6YUI KC7RW	286 AG1A	276 K2CS K2UU K5TWJ K7TAB KE8Y	267 K8DP KG6EG KX9N N2AMC N7UVH N8EHW W4FSO W5WP W9DRB
305 K6UM (CM88) KF2T KT1J WA9M	295 KE4P N7NT W2HRO	285 K5CZD K9UO N0LD	275 K1MAA K2NJ N4GG W0FK W8PI WA4NVM	266 K1OA K1WVX TG9AJR WB8EJN
304 K6IPF W4FC WA0GUD	294 K6JSV NA5Z	284 AB0RX K0KP K4DET KX7L NJ2F (EL96) RETIRED	274 KB1DMX	265 N5KS
303 EA8DBM K8TGC K8TL N7LAN	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	283 W8OP WA0FQK WB0CQO	273 K2BLA KM4H KV1J WB0OQV	264 AC8L K4JAF N0TK N9JR NF1O
302 KB2TGU W3TI	292 KJ6P W1SSN	282 AA0ZP DK8NE K1ST K5TA N0GZ N8JCM W4WM	272 K0PG XE1AO	263 AK4PR K3VAT K4XR
301 N0HJZ N2ZZ VE1JBC W7IB W9OBG WB0TVY	291 KS4S W1WHL	281 K4OY NL7CO W2YE	271 K4NNX	

K9AAA W7CT WB7QBS	WA8KNE	VA3CW W3SW WA8ZID	236 K0SU K4NK KL0S MD0CCE N3FTI N9ATD W5AJX W9OO	NN5DX
262 AE5FM K3CWH KL7HBK N4ST ND4DX WA0KBZ	254 KF8QL N7QOZ VE3OTL WD5ITW	244 AA9RR K8DV KD8JSP N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	235 ND0C VO1GO WB6RJH WT2P WZ9W	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ
261 AF2F K3TWK KB8UUZ N3EW	253 KG4ERR N2XQM W9TA	243 JA1QJI K3TC W4EJ YV1DIG	234 CT1EEB KE6FCT	227 JA1UAV K8ZT K9TF KS9A W4KXY
260 JR1LZK K6JAD N6HC W0PR	252 AB5A K1ACL NN4RR VE6NTT VE6SH	242 K3WW KA3TCC WA8MCD	233 K1AFC N3AIU (DM45) N9NJS VE7VZ W3DF W8PAT XE1L	226 AF5WN N7CNH N8UR NM5S W0VX WQ6Q
259 AK0MR KD4ADC KG6I KN5O N1RR NS7K NY1E VE6BMX W2JU	251 AD5JK K1NJ K3NK KG7NV NN4SS	241 N6NU W5LO	232 AE4WG K5FO N9NJY VE6TA (DO33) W0PPA	225 AC9O K9QJ KX9X (EN50) N2WSY N4SV VE3MSC W8AKS WN6W
258 K1BD K2HAT NA2NY WB7ECS	250 AA9LC K0CCM N8LRG NW6R	240 AB5GU KG5EIU KI0HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	231 K4MIJ K6HEW KF6GYM VA2CY W9XT	224 JP1LRT K9MQ WA4YA XE1YY
257 K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/0	249 K8AO KQ5U N1GC	239 F4BKV KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	230 JM1IGJ K1ZE KO4MM VA3XJ WB0WAO/8	223 GD0TEP K7UA NJ7A
256 K3WA N8ZJN	248 CT1IUA K1ZZ W6VFA	238 AA3GM KV7N	229 K6RG KB9RUG KD5IKG KE4UW N4NX	222 K0YY K2TV K3AJ KA1LMR KD4K W8GJ WA2BOT
255 K8MVZ KG4JPL W0NOZ	247 W1FKF W3TEF	237 K3FRK K3KO K4QE		221 K5WMH K6CQR
	246 K0DAS KK8X N5TIT W4FRA WI7P			
	245 N1IA N3XF			

N0PSJ N4ION N5UWY W4IFI	N2OA N5PA	203 K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM W9GFB W9VOB	196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	WA5VKS
220 HC1BI K7BTW	211 K9FOH NE8S VE3SMA W5HNC			188 AD7KI KD4HLG W4AZR W6AER WA7VHF WU9Q WX9M
219 AI9L K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO N6UK PV8AZ WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK	187 JF8QNF K3EA KD3HN KQ0J N1SV
218 K1XH K4IJQ K8YC KB8KVJ NI3K	209 AA4IB N1TQ W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V KR0I NN0K WA1MKE WA9ASZ	194 K2MRK N3FA N9NFT WF1H WK8A	186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE
217 KB1HY ND4V W4DEE	208 AI2N CO8DM JM1SZY KD5HIO PV8ABC	200 4A2MAX N5AO N9AG NA5C VA3VU W1AW	193 K7PT K9AB	185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT
216 K7RB N0IS NE1F W5RWF	207 K3HPA N1BCL N8NJA	199 JA8ISU K4GHS N3KFV NJ8J W4OEP WB0YEA	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	
215 AL7OC K2SX K15FJ N2YU N6KW	206 AB0CT AK4Y K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	198 AC8TO N0UK N7EPD NX0I WA7KYM	191 JR3REX K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q K0DEW KR4M N1IBM N4BG
214 KB9PJJ VE3SYK WA7AJ	205 AF4OD K8SD KE4HOA N5ITO N9ATF W8QID	197 K3EGE N4BAF W3TW W5CTV W9TD	190 K2WJ K5ER KC2DLD N9UA W1ATV W2OO	183 K5RQ N0FJP N0UBL W2UDT
213 K3DFL KI6X W0NBC W8RD	204 IT9IPQ W5LUA		189 KC0MEA W3SZ	182 AJ6T DF3CB FP/KV1J K5GMX K8WK W2CCC
212 AB5C KF7NN				

XE1CL	K0DI	169	W9VS	JA1OVD
181	KX9X	K6XC	WA1Z	K7AD
AB9FN	N5QGH	KD5OMJ	161	K7ZD
K4CMS	NP4BM	N2BEG	K4EA	KW0A
K5HDE	W5AFD	N5XES	KB3CWQ	N1OFZ
KB8YKR	WA5IPS	N7PHY	N2YBB	N2ADV
N3XJX	WW2R	VE3HHT	V44KAI	N6DHZ
N4DTF	175	W8KNO	VE3LC	W3DQS
NY0A	PV8BR	168	W4HOG	W5FI
W2ZDP	174	KG5ZMQ	160	W9ILY
W4RBO	K3MD	W8WEJ	K5IQ	WB5ZAM
W9BS	K6WRL	167	WA3DRC	152
WJ1B	KC6ZWT	K4MQG	159	N1NUM
180	KG7P	KB1YNT	K4MZ	N2WM
K0OST	KU0A	KE5EP	NS7B	NU1T
K4LYN	N1MGO	LU4FW	W1EME	UT7QF
KC1MMC	NA2NY (ex-NA1VT)	N0NHW	W4TTO	W6IA
N1RK	NA6O	NO0T	WB8NUT	WO4G
N6PEQ	W3SO	TG9ADQ	151	151
N6VH	WA2PNI	W1BAT	KO0Z	KO0Z
WA5RR	173	166	W1ZT	W2DXE
179	K2ZZ	KC2GHT	158	150
KU4WD	K5YPV	N5VU	K8CR	K1EP
N0LIE	KE4SCY	NC4RY	KI0D	N9LAH
N0MMA	172	VA3WEB	N2CG	NE6I
NH7RO	AB9KZ	WB4KXS	157	VE3OAT
VA3DPB	K5ZED	165	K4FX	W7APM
W8LHP	KI4PKW	K4DXT	KB8GC	
WA4QMQ	KJ6HI	KD5HPT	WA7NB	156
178	VE2PN	N1JFU	156	K2KJ
JR2HCB	W4ABC	W0RIC	N3RN	N9KO
KA2AYR	171	164	N9KO	VE7VDX
KB0EO	AA4PB	K2SD	VE7VDX	149
KB1RZA	HP2AT	K5VWW	155	AB6CF
KG5RJ	KC5GSK	KD0UHN	AE4M	K4SAN
KK8MM	KC5YCH	KF9US	K3TD	KK9H
N1ZUK	KI4TZ	W4CSW	K6XN	WB4VHF
NQ2O	NS3L	WK7G	N7AU	148
VE3NRT	W1PX	163	N9OBE	AC0DQ
W0ZY	WA2KBZ	K2JF	NY4I	AG0A
W1MAD	170	K2YSY	TG9ANF	G0OIL
WY7FD	K5DB	KK0DX	VA3NQ	K0RU
177	K9TVG	N5XZ	WV8DX	K7IU
AG4ZE	N4GBK	162	154	KB2YSI
K2QQ	N8CN	4O3A	AE4NT	N0TM
KI4BWW	NA2U	AF4GK	KB9VMW	N5ZBI
SM7FJE	W4IHI	K0QB	W3ZQN	W6VNQ (CM88)
W5ZG	W4JKC	KA1R	153	WB6RAB
WA8UEG	WK3V	KD4TDI	AA4NC	147
176	176	W9JJB	AB4GG	AF6AV
AD5ZA	176			IZ1LBG
	176			K6PSP
	176			KC1BUF
	176			VE3CX
	176			W4YCC

W5WOX
WA0VPJ
WA3YGQ

146
K2GW
K8YTO
KB0YH
KB5ZEA
KC2TN
KM5TY
N4HID
VA2RC
VE1VOX

145
KD7YZ
V31MD
VA3TTX
WA4JA

144
K0TLG
K5TDW
K6JRA
K8MN
K8WU
KA8SYV
N9DI
W5MPC
WO7GI

143
K0KVR
K6JBH
K9QFR
KB8RJS
N8URE (FM19)
NA1VT
W0HNM
W0UHL
WB0MMC
WM5H

142
NA2X
NC4VA
W5SWV
WS4V

141
K4AR
K9ATX
KT8TD
N9FIV
W4FS
W4POT

W6ZI
WB9WHQ
WR7AY

140
AC5DK
CO2WF
CT1BWU
JA1AFR
K1UO
K7SAM
KC0MEZ
KC8TMU
KJ4KVC
N1EN
N3VOP
NJ0U
VE3KY
W4TUN
W6DQ
WA4KXY

139
IZ8FFA
K1DT
KC7JPC
KU0G
N3FX
NA2AA
W2PD
W4OV
WA5TKU
WB2JIL
WY0V

138
AC0XY
AI6O
KD7WPJ
KE0A
KE3D
KE8RO
KQ4KX
N3XH

137
N1SZ
N5JGK
SM7AED

136
K0XXX
K4SX
KC5LK
KC9AXZ
KJ5RM
KV1E

NO1R
OE6IMD
W2JCN
W4AVV
W7UV
XE2JS

135
CU3EQ
K4MWB
K8ZIZ
LY3W
N4DB
N8XE
W6BXQ
WB8BZK
WW2DX
XE1H

134
AB1NS
AB4GE
BA4SI
C6ABB
HK3W
KE5FXE
N3AIU (DN70)
N8GOU
W4TKI
WA3WZR

133
KA5ETS
KC1RET
KE1VT
KM8V
N7T
W0RT
W4GE
WW7Q
XE2O

132
AB3CV
IC8TEM
K5VG
KW4G
N4PPH
NE1I
VE3TM
WN6K

131
K3NAT
KG9R
N2CJ

130
AB0X
AK8CW
K0GUR
K4JKB
KC4NX
KE8RJU
NG9R
PV8AJ
VE1DX
VE2TZT
W0PHX
W2LES
W3FEY
WA2SEI
WB4YDL
WW5W

129
8P6ET
JF4VZT
K0KD
K5QWO
KC8KSK
KF4NEF
KM5LY
KM5SC
N9WBR
NZ6N

128
KC7QAG
KJ6SDF
KN4DMN
W0WT
W5ZO
W8FR
WB2WEO
WQ7F

127
AA9RK
K3GYK
K7UV
K8AC
K8OS
KB3OZC
KB9TLV
KC0RQH
N2ZA
NO8D
VE2JWH
W1FLD
WA6BIL

126
KJ7G

N0BDS
N7DGI
WB4HUC
YL2AO

125
AA6I
AA7DK
K3PU
KC5DRI
KD2NF
NT7C
W2AJM
W3UQH
WA6POZ
WB4OMM
WE1P

124
K0DLW
K8VA
KB0HH (EM06)
KD5FTD
KM1C
KT5MR
N0SL
N9AZZ
PV8AAS
W0PE
W1TAM
W7YM
W9CDL

123
AC7AF
K9SM
KB0GT
KB0STN
KG6DHQ
VE3TG
W1HS
W3SE
W4DFU
W4PRZ
W5EWF
W7MHW
W8BI
W8KHP
WA8WV
WB2RVX

122
GM4UYE
K7AED
K7OGW
KA9JAC
KB4UF

KB5WFE	KF6MXK	WO2C	K2DSW	K7JE
KC5UGX	KI7BP	WX4US	K2JGL	KB0TIJ
N5HYV	KT8X		K2OO	KC7ICM
VE6PY	KW4BY	113	K5DNL	KE5JXC
VE7JAC	N1QDQ	AB4PM	K9GY	KJ6MBW
WD0GTY	N3JNX	AD5MD	KE6GLA	KK2DOG
	N5EIL	K3DQB	KJ6CA	N0RQ
121	NZ1I	KD4BPZ	KZ7N	N1USB
AE1P	W2AC / WB2ABK	KD6VCD	N8TMW	N2IPH
K0MFI	W2AC/WB2ABK	KM5OL	N9TTX	N4CE
K4HBI	WB2KSK	N3JDQ	NN9X	N5FPW
KB2WAL		N4YCI	VE3AAQ	N5YHF
KB5MH	117	N5YK	W0YJT	N8HM
KE4JFS	AB5J	W0BM	W1OP	N9XMU
NE0P/9	K4WS	W8MSP	W4ZRZ	VA3OKG
UR0MC	N4USG	W8VW	W5MPC/1	VE3AJY
W8DN	N5JEH*	WD0ENC	W7RJR	WB6VYH
WB9TFH	N5LPT		WB6YIY	WQ9F
	NU6V	112	WB9W	
120	W6WE	K2MLS		105
EA1YO	WA1TBV	K3GD	108	AC4Q
K2CYE	XE2PXN	K5WTA	CF3VRQ	K4SJA
K4CGY		KA7T	HB9BZA	K9MAL
KD0R	116	N5HMH	JA9IPF	KB3JGS
KD4MZM	IK7EOT	W1TR	K5OPB	KC0JYT
KD5BRF	JA3LZS	W5DQ	N3MWQ	KC4KK
KE4SCY (FM06)	JR1BAS	W6OAT	N5DD	KF4DGS
N3YPJ	K4RGN	W7IV	VE3SUB	KJ7TH
VE1JC	KI6QDH	W9PN	VE7IG	N4NQY
VE3XK	KU5B	WA8TWM	VY2RU	N5SAN
W4LVH	N0VR	WX3P	W4AMP	N7YY
WA6RAY	NO0B	XE1GK	W4CRN	NE9O
WB0WAO	W0DHB		W5AAJ	PU4JOE
WD4OHD		111	W8EH	VE3VRQ
	115	N0SLT	W9VNE	W8MIL
119	K9MMS	N8IK	XE1R	W9RVG
AE5AU	KE6TVM	PC3T		WA4MYO
K0AWU	KF0QS	W8GBH	107	
K1ZN	KM5FA	WZ8P	G4BWP	104
K2SQS	N7VGO		JA3EGE	AB9YC
K4MSG	VK9DX	110	K5UIC	AC5K
K7JIZ	WA3BZT	K5KR	KF7PG	AC5RN
KF7PCL	WC7V	K7LD	KI9A	AC9QR
KP3V		KD5J	KK4LUM	IK4DRY
KT0P	114	KI0F	N3TTT	K5PPP
KW7N	AC8HU	KP4JRS	N9OI	KB9RNO
N4UPX	K2RET	KQ4LA	NF0T	KC2TR
W0QC	K3RTU	KX5U	US0KW	KD9GKL
W4SW	K9AAN	N5TIF	W2ODH	KJ7OG
W7QQ	KC4GCK	N5YM	W2TTT	KM6WXB
WI4T	KG9Z	W5DM	WB4PPW	KO4LZ
WM9M	NF8M	W7JET		N0STP
	VE1WOW	W7UP	106	N1LDY
118	VE3IRR		EA4DEI	N2FBQ
J68AS	W2JLK	109	K0MEI	N3UPS
K4AZV	W4ALF	AK6ZZ	K5BJW	N7AGF
KA4LBD	W4UFO	IW1ARB	K7BWH	NJ1H

VE2PIJ	W9NFL	N8XS	K3IXD	N9KY
W1TE	WA8EQP	VP2MRM	K3QIA	NK7C
W1ZE	WB5FDP	W2CH	K4OP	NU0Y
W4KVS		W4/KL7GLL	K5HOB	VA3FIN
W6ZQ	101	W4OZK	KA1EKR	W3QT
W9MDB	AE7V	W8BZY	KE4LGL	W4CWA
WB2VUO	K0RAR	W9DQ	KG4YOU	W4DAS
WB8BZK/VE3	K0SBV	WA5TLP	KG7E	W4ID
WG3K	K0WJ	WV9E	KJ2G	W7DN
	K2NUD		KK0CQ	WA6OSX
103	K5DWI	99	KY0Q	WA9LEY
AA5CK	K5HX	AB0SD	N0JJQ	WB8RVK
AB0YM	K7SYS	AB3TM	N1JHJ	WB8ZTV
AB5SS	KB4KBS	K0YO	N3LRP	WB9PNU
K2OY	KC6AWX	K4KEW	N5TEY	WE8L
K4MVL	KC8CSD	K4WQ	N8AID	
K6USY	KG8WB	K4ZO	NO5X	96
K8ZEE	KG9IL	K5VPQ	NO8R	AD5OW
KA1W	KR4WM	K7DD	VA3VF	AE4TQ
KB0FHP	KR7LD	K7PAP	W2KRP	AK4F
KB2SGX	N1IX	K9ZZE	W6TE	K2CK
KC9FFV	N4AOE	KA0ZEE	WA2FGK	K2UF
KF0AIJ	N8VEA	KC2IEB	WA3TLT	K2UNK
KF4DVG	N9DVS	KC6X	WB1GQR	K4EQH
KR4NO	ON9CMR/W0	KD4MWO	WB2YDS	K5CRJ
N0YXE	VA2LQG	KD6RUH	WD0E	K8EMR
N1JIF	W4LLP	KR4UA	WH6LR	K9OT
VE7DXG	W5KBD	M5MYH	WT5H	KA2NDX
W0TF	W7ISG	N4FV	WV5Y	KA3HED
W3LEO	WB8IMY	N5OHL		KB5GI
W6IT	WD5IYT	N7HRT	97	KB8PNS
W6XU		N7JPF	AB8M	KC0HBP
	100	N7TE	AJ9C	KD6PY
102	AC0FT	N8GHZ	K0HB	KI5TE
AA9MY	AI2S	N8YV	K0JQZ	KM2O
AB8JH	AI9U	N9MKC	K0QEI	KM5NU
AD6KH	K2UA	NB5R	K0SH	KS4V
K0HAQ	K4UQC	NH6CJ	K0YQ	KT5RR
K3HW	K5GM	NI5W	K3HZO (FN20)	N0WVU
K5VR	K5KV	NS2P	K4GTR	N2LID
K9AM	K8IJ	VE2HAY	K4JQU	N2VHZ
K9OHI	K9CC	W2HOG	K8XF	N2XK
KA3ZLS	KB9ZLB	W2VU	KA2BSK	N8PAQ
KB8CR	KC2HLI	W5JLC	KA7EII	N8YBY
KC6WFS	KC8CC	W6TJU	KC0YBM	NT2A
KC8DMN	KC9CMT	WA1LAD	KD5CKP	NW5Q
KD8NYO	KD3SW	WA5TRX	KF4KSN	NY2Z
KE1AU	KE5CVM	WB5NHX	KM4NYI	VE2DCP
KJ4M	KF0Q	WB7VVD	KT5WB	W1HMM
KR5V	KG5X	WK5X	N1SFE	W4KK
N1HOQ	KJ5OA	WW2R (EL09)	N1VMJ	W4TMR
N5RMS	N3TBB		N3UMA	W7JHS
VE7ZD	N4NIA	98	N4BH	W8DM
W4RVZ	N5RZK	AC2RL	N5OTY	WA3EEC
W5DPT	N5XTR	AD8Y	N6MA	WB0M
W5OV	N7EME	K0KC	N9APK	WB5KJE
W7UT	N8COP	K0UD	N9IO	WP4LNY

95	KA2F	KC9UL	W2CVW	K3CWF
AE0G	KA9UVY	KD0QG	W3ACO	K3UAL
AE5EO	KB7AK	KE6AZX	W3HZU	K4AAP
K1PNQ	KC0AUY	KE6UMW	W4BP	K4FTP
K4ED	KC3AK	KE8RPJ	W4LIA	K4XZ
K8KFJ	KD4VRZ	KI0J	W6NS	K8EAB
K8ME	KE3WM	N2BX	W8JV	KA5TJI
K8VD	KF0LA	N2YTF	WA3JKB	KB5FHK
KD7WH	KG4NLZ	N3AO	WA4EEZ	KB7BSA
KD8DR	KU4JZ	N3ZBK	WM3O	KK4DZP
KD9ZR	N0LNE	N4GOA		KW3DX
KF6XA	N0LP	N4YHC	91	N2ULL
KI0SK	N2SU	N7EGY	AA0CW	N4BRF
KW9U	N3JBH	N7JI	AD3Y	N5BA
N1XK	N3XBG	N7KSI	CO2WZ	N9JJ
N2SLO	N3YUG	NA9D	K1UR	N9MSG
N2WLS	N5ZMP	VA7QI	K4SPA	VA3XOV
N3WAV	N6HY	VE3WMD	K6YK	W9CPV
N4ET	N6MXU	W0MHK	K7HPN	W9CSY
N5BLY	N7NH	W2VTV	K8OI	WA2BEV
N5ENU	N7UN	W3ZGD	KB2YWU	WA8OJR
N5KI	N8WWM	W4GPM	KB3IAI	WD9HCF
N9IV	N9DD	W5DMT	KB3NDS	WE7H
N9LJX	N9UNX	W7EIR	KB7AZ	WEST SEATTLE AMA
VA3KS	VA3MA	W7TRX	KC5POV	WH6LE
VA3PZ	VE3RX	W9IFW	KC8LGL	WT4C
VE3KZ	VE5MX	W9NED	KG4QWC	XE3/K5ENS
VE3SPW	VE7AB	W9WI	KI3O	
W3UA	W2GR	WA5ICA	KI5BLU	89
W4YZJ	W3IPA	WB5CON	KM7N	AB1TZ
W5ADA	W3TA		KM9I	AG2AA
W5CBF	W4LNG	92	KQ6K	AG7NR
W5RCQ	W5ODD	K1EY	N3PPH	G4NBS
W7JWC	W5PUF	K5GDX	N3WCM	JQ1TIV
W9SX	WA7LHZ	K5TDA	N7CZ	K4BMM
WA2ONK	WA9BXB	K7FU	N8DEZ	K5CX
WA3I	WT9U	K7HKR	NA7L	K5JAZ
WA4WR	WV7S	K7UWR	NR4J	KA0MWA
WB2SIH		KB0PQP	NU4N	KF4TVL
WD8DOT	93	KC4JNW	OE9KFV	KI0G
WS4S	AG2A	KD4QMY	W2SUB	KI4FW
XE2AT	AG6CV	KE4WBO	W4MLN	KI4US
	AI8F	KG4URP	W5KDA	KR4U
94	K0IW	KM3V	WB0NRV	N2GZ
AA4RP	K1PTF	KR7X	WB7X	N5KAE
AB4VT	K1ZK	N0RC	WC4V	N8YSZ
AD1DX	K2AK	N2SG	XE1GZU	N9RG
HK4SAN	K2MTS	N3GH		N9UDX
K0ARM	K4DAM	N4VN	90	NE2U
K3BEE	K5TRI	N5QO	AA0LM	VE3VCF
K3TUF	K6RM	N6FD	AB4WL	W0HRO
K4JRK	K7IP	N6RPM	AB9DU	W1HY
K4LDC	K7TRK	N7DED	AF5BG	W2JEK
K4YJ	KB0USF	NS6E	DL1SMA	W2OK
K8GT	KC5TGT	UT5JAJ	JH4JNG	W4ZMM
K9DOG	KC5TT	W1PV	K1HC	W6VNQ
K9SUL	KC9TTR	W2ACY	K1KA	W9HT

WA7SDI
WB3IAL
WM6Y
WQ5C
WR5AY
XE2NL
XE3DX

88

AA4QE
AE0DX
AE4OF
AF4MI
K1RS
K3TN
K4XD
K7CTV
K7WV
K7ZVY
K9JF
KB2KIR
KC1GWX
KC3MLC
KE7RTB
KE8UM
KI2D
KI4RFM
KJ4KW
N1CEO
N2MKT
N2ZN
N4CAG
N4GN
N4KIN
N4UC
N5VBK
NS3X
NT4TN
VE2VLJ
W2BZR
W3YX
W4DL
W4RXR
W7HDD
WA2BTR
WA5MD
WK3N
WV8O
XE1SOV

87

AC0A
AG4I
K4JC
K5UZ
KB1VUN
KC8NAH

KE6WOX
KI6RRD
N0ELA
N2CJN
NA5DX
NE5S
NI5F
NN7RM
W8GOC
WB3IGR
WB8JAY
WF4W
XE1RBV

86

AG1T
K7FB
KA9OKH
KB7JJG
KI6HQT
KN4MMH
KP4TB
KT1R
N2NF
N3MVF
N8TFD
NZ3O
VA3MDB
VA7LM
W8IW
WA1PMA
WA4USA
WB4GCS
XE2AU

85

EI3IO
K1UU
K4LRP
KB3MXK
KC0V
KE4DRF
KK4AND
N2RJ
VE3GFN
VE7DAY
W1WV
W3STU
W4IT
W4RA
W6ST
W7SIR
W8DQ
W9QY
WA4WKL
WD4LSS
WF4R

84

CT3FT
K4EZY
KE6NDG
N1KI
N2NWS
VE2WBK
W8PU
W8SGR

83

AA6E
DL5XJ
K1LH
K4SQC
K6JJ
K6UIP
K8SIA
KB3HHA
KB9LIE
KK7BV
KU4WW
TG9AKH
W4HFZ
W7USB
WD6T
WD9IOK
WI6Z
XE1MM

82

AD4IE
K4JMX
KC5YKX
KG4KVZ
N1SF
PU8TEP
W5DAS
W7YOZ
W8GG
WA2ONG
ZS6NK

81

AB4I
IK8YTA
KE4DZU
N6MM
N7NEV
NI4Y
W3MC
WA4ZXV
WA8ZNC
XE1EE

80

AC6BW

KE4PT
KR4Q
KW1DX
N2NS
VY2HF
W5TTY
W6TCP
W7AM

79

K4RW
KP4N
N2COP
N5YJZ
N9RC
VE3CFK
W2GW
W2SKI
WN0L

78

K2QPN
TG9AWS
W4NE

77

K1IFJ
MI0AYR

76

K0WYN
KI4CYB
KI7WXP
N1GNB
N2MH/4

75

G4RGK
K3PP
K8QM
N5GH
NP3YL
NX7U
W5UC
WP4NEG
ZL3AAU

74

AK8B
CX4AAJ
KF2TI
LU4FPZ
TI2CDA
VE6SO
WC6DX

73

JF1IRW
SV1RK
VP2MJD
W4WT

72

AB1QB
N4II
PV8ADI

71

K0GW
K4GK
K5WPN
W2YR
W3FGP
WC5M

70

GI4SJK
K4BNC
KC0ZRX
W2LV
W2QO
W4GP

69

K3WGR
WD4LBR

68

AA4S
EH7CD
K6CF
KW4OV

67

W7YED

66

K6KLY
KK4YEL

65

JA1XEC
K5EJ
N7UJJ
OK1MP
W4CCS

64

JG2TSL

63

EA1DR
KB0RFY

62 K4DXA	N6DBF N8MR NP3IR YY4DNN	35 GI4OWA LU9DO	KS4YX LA6OP ON6AB PA7TWO	LU5FF PY2RN UT3UA UX0DL WC2C
61 CU3AN	47 HB9RYZ	34 G4SEU LA2QM	23 GM4ILS HB9G JL1UXH K4SLC KP4EIT W8MK	14 HB9HIT JA2XCR KB8DVT PV8RR PY2OC W9TTY
60 KP4JFR S55DX UR9QQ	46 LU2DX	33 HL2IFR UR5WA W8GC WB4SON WB8TGY (EN72)	22 9H1SP HB9ALO IZ3ENH	13 K4WY PY2MC W4PWF
58 HB9BIN KC6NBI SV8CS WA2MUA	45 JA6WJL K4TXJ	32 N3LRH NP4TT SM6WET YL2JZ	21 EA1YN	12 EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB
57 HL2EIZ IK1ZOF N5LJL	44 WO3T XE2YWH/1	31 HA5PT	20 CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA	
56 EA5BY K15WA LU8ADX NI6T UX1UA	43 8P6SH CT1EEN K4ZIN SV2AEL	30 E72X JA1WSK JL3LSF JO7WXN WA6DNR		
55 G4FKA JL3MCM LA3MHA US5WE WA2EMF	42 TF3JB	29 JE1VTZ OE4VIE SP5APW	19 EA6BB JI4WAO PY2HN SP8NR	11 A65BR DL1TS DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU
54 AG4KI	41 K0BBC/R	28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V KJ4EU OE3SGU VE6TA (DO31) W0HBH	
53 K0BBC PP1CZ SP5QWB	39 AA5PK HB9EFK	27 IZ4DPV KC9ELU WP4NIX	17 G3LZQ PY2XAT W0JM	10 DL4CF HB9BOS HB9FMN PA5KT SV2DCD TF3Y UR7DWW
51 CT1ETE N8OFS VE9FCP	38 DD3KF DU1EV IZ8EDJ K8YSE VK5PJ	26 HL2WA WB7QXU	16 N6VHF	
50 N6DW	37 BA7NQ HB9RUZ JA9APS	25 EA4/K1WE	15 9K2BM EI2GLB HL4GAV JR3UIC	9 DL7BA EB1EWE
48 G8BQX JA9KRO K5XI KI5KC	36 JH9DRL	24 EI2JD F4BDG		

EC7ZK	4	IK2GOQ	YO8WW
G6BFP	CT7/RC2A	IZ8XQC	
JA1MZL	F1DFR	JA6AVT	
JA2FGL	IV3GOW	JA6SZV	
KB4YKC	JG1JPE	JA9FAI	
KD3UY	JH7IPR	JP1HDK	
	JK6DXD	K7LY	
8	S51NM	KEN IN NEBRASKA	
DK2LO	UT5EL	LA2CQ	
JA1CPU	XE1SAX	OH3KAV	
JE3PCP		SV1XV	
N8RO	3	SV3FUO	
OH8LXT	DF1ZN	YB2DX	
	DJ5AV	YL2KF	
7	DL2KQ		
G8APB	EA1AR	1	
HB9GWJ	EA4D	3A2MW	
IZ0INX	F1RAF	9A2EY	
JA2NDQ	G3LHJ	BD4UJ	
JI2UDK	GM4CFS	CT1AHU	
JJ2NWI	HA9PP	DH8BQA	
LA3DV	HL2ZN	DJ3ZF	
N5ORT	IK0WRB	DL2DCX	
NJ4Y	IK3ITB	DL4ZAB	
ZS4TX	IK8EPC	EA3WD	
	IK8GYS	EA4GQS	
6	IW3GJF	G4VSS	
CT2FEY	JH7IMX	G6MXL	
DH0GSU	JM1GHT	G7SQS	
DL1TRK	JN1BPM	G8TTI	
EA8MT	JR6IQI	IK5BSC	
EI2JC	PY5IP	IW0AFS	
JA7NGE	SA7CJO	IZ0BTV	
PY2VA	SV1VN	IZ3DBA	
	W1CBY	IZ5FSA	
5	WD9EWK (DM43)	JA1GZK	
DL5LH	YB1TJ	JA7VXB	
EA1AAA	YL2CA	JH8XVT	
EA7ZY	YL2MU	JJ1PFC	
JE1LFX		JL2ULM	
JI5USJ	2	JN3ONX	
JJ1IDW	5B4ALJ	KC3KJQ	
KB8VAO EN91KT	7J1ADJ	KG4JSZ	
M1VPN	9A2GA	KH6WI	
MU0GSY	9K2NO	KP4DER	
OH4UI	BV6CC	MM0INH	
OK1IN	CO6CBF	OK1UU	
ON5UE	DF8FT	ON6NA	
PP2RON	DK1CO	OZ1IKY	
SK6QA	EH4BPJ	PU5SVE	
VE2NGH	ES8JX	SM3GBA	
VR2XMT	F5TMJ	SM6LPG	
W1ZR	G0THY	SQ5NRY	
W2ZF	G4DDL	UN8G	
YL2CZ	G8GNI	UR5EDX	
	GI4ONL	VR2VGM	
	IK1IYU	WB7VUF	