

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 (29 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	KB7ME	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	452
K5RK	W9RM		K7BG	W3UR
K5UR	W9XX	480	KM0T	
K5WE	WD5K	K5GZR	N4TB	450
K7CW	WQ5S	N7KA		AJ4F
K7ULS	WS9V	WB0ULX	467	N9BX
K8SIX		XE2OR	AD1C	
K9CT	487		WO7R	449
KA9CFD	K7MAC	479		KF6HI
KA9FOX	K7TM	W5WVO	466	W8TN
KD5M	K9YY	WA7HQD	KA0JGH	
KG5CCI	N0AKC		KB6NAN	448
KM0A	N7CW	478	N5EKO	W5XC
KO9A	N7IR	AE5B	ND4X	XE2K
KR7O	N7NW	N5WS	WX7M	
KV5W	N9ISN			447
N0LL	NA6L	477	464	K4HB
N0LWF		NC6K	KB9OWD	KS7S
N0PB	486	W9RN		N4SC
N0TB	K1TO	XE2CQ	463	W5EME
N1AV	KY7M		VE3EK	
N3SL	N0KE	476		446
N3XX		K0BJ	462	K6EID
N5DG	485	KC7QY	K6ZH	N4QS
N5OMG	K5ND	KC7V	N6ORB	NV4B
N6JV	K9MU		WE9R	
N9LB	N0POH	474		445
N9UM	W3IP	N4WW	461	KU7Z
ND0B		W6XK	NA9RB	N5NA
W0FY	484			
W0JW	K0SIX	473	458	444
W0LGQ	W5VY	NQ7R	K4MY	N7BAV
W3CP	W5ZN	WB0O	KG5THG	NI0G
W4UDH			N9BCA	W4DR
W5ADD	483	472	WB9CIF	
W5AFY	AC0RA	AI1K		

443 AB4IQ K4XP N4MM	430 K1TEO KF8MY N5TJ	K7AWB KO4MA N5SYV W0GJ WB5JID	398 K7SMA N5BO N8IEZ W1NG W5JAY	AB4SF K1GG K8ROK
442 N8OC NE1B	429 WA5JCI	414 AH0U K7KQA W0GN	397 K5RT	383 N4UFO
440 AG9S K8TB KB8VAO W2IRT W3LPL W5THT	428 K9APW KP4AJ N2NL N4TL	413 WA9LFO	396 KB8U	382 K5PI K6VHF VE3YXO
439 WB8ZBT	427 N4QWZ W3LL WA1EAZ	411 K9MK N9EAT	395 AA5XE K0AZ K5WBM KF7CQ	381 W3VZ
438 KB9DAK	426 K4ZOT K8ZR N5OK	410 KE7SW KI8G	393 K7XC KK4MA NJ6D W4TV	380 K7MCX NM5U WA5LFD
437 N9PGG NY0V	425 K6ML XE2X	409 N4HN	392 AF4HX VE4EAR W6OMF	379 N8WNA
436 K3SX K7PI KD3CQ W3TC WB8ART	424 N4UFP N9AKR W3EP	408 W7BA	391 W4AVY	378 WR7X
435 K9KLD KF6A WB7CJO	423 AJ4A NA6MG	407 W4AS W5CIA	388 K0IP VE2XK 6M FN07PJW4WRL	376 AA5JF K8GI K8VFF N1EVK N2WK
434 K1HTV K1SIX	422 VE6WQ	406 AK3E K6FG VE2XK 6M FN07PJW4WRL	387 K2TER KV4T N4CH	375 K6QG WB4OQX
433 N9FN W9WO	421 K8ROX WB8BPU	405 AA4SC K5CKS	386 N7IJ NN4R W5TFW W7AH WE4S	374 AB1OC N6GP N7DB
432 K6GXO N6KK W5TRL	420 VE3LYC	403 KE8KMX NH6T/W4	385 KF0M NK1K VE6MB W4WTA	373 K4SSO
431 K0TLM N2QT	419 K7NN W5AL	402 K3FM	384 AA1ON	372 W5MO
	416 K4RWP K7ND	401 K4CKS		371 WA6BYA
	415 K5OMC	400 W0JRP W3UUM		370 AG4W K5TN KN4SM KS4YT KV7K

N3MK NT0V	358 K5RLA	343 AB4EJ K5EK	332 AA7UN N4JDB N7KDT VA3IKE W9GM	323 KI0E N8II W4MAY W8KEN WW0E
369 KF8UN N2DPF	357 K4LVV W5PR	341 KD7DCR WA7YAZ	331 K8WDA KC0UDO N4MW N6KZ VE7BV	322 VA6SZ
368 KB0V W5RCI W6GMT	356 NY1V	340 N0AN	330 KB8MBC NK0S	321 NC7B NS4C W9VA
367 KC4HW KR4BD NT9E W7Yaq	355 N2ZX	339 KE4BKL VA7FC W5VAS	329 AA1QD N2JJ W1DYJ W2OR W8WG W9XA WX4G	320 K0VG N4DW
366 AA4ZZ KI7JA N4LR	354 K0DEQ	338 N3RC VE3SXE WA5KBH	319 N7US W4ER	318 N3ALN W4HY
365 K4JJW KG7CW KZ2I WB4EVH	353 AF2K K0CS K8EB	337 K8ZES NU6S W9EWZ WA5RT	328 K6ME N5PT W2CNS	317 N3PS W1SKU WA7PDC WO2T
364 AB5EB JA7QVI N6QQ W7FI	352 NZ3M W0KKK W1JR WA9PWP XE2ML	336 AC9DX FG8OJ K5KDX K7BV K9QVB/9 VE3DS WO9S	327 K6EME KJ5RC N0YO W2JU W9DCT	316 K3FN KA0ABA N1KDO W4UCK W9BWR
363 W4NH	351 AA4FL K5DTC	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	326 K2ZD K6LMN K6TDI KD5XB NG7M W7JLC WF7T	315 K5VH KG6AY NY2NY
362 WA5OLT	350 AB9BH N6VI N8YO	334 K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	325 WA2AEY	314 KU4XO
361 K7XB K8BL K9NR N7MB N8KOL NE9U NG4C	349 K8JH KA0BAD	333 KM4HI KN4NN N0IGZ W3GQ	324 K9SH KU4A N2BJ N8HRZ VE3TMG	313 K0TC N6NR NF4A W4GLV W5RKN WA1NLG
360 AA4FF K6UM (CN85) N3OC	347 KT8O			
359 NI0P	346 W8LMG			
	345 W3XY XE2YWH			
	344 K6FW KB0PE KG8P W1OW			

312 AF6O KA2GOJ WB3LHD	W7IB W9OBG WB0TVY	291 KS4S W1WHL	281 K4OY NL7CO W2YE	272 K0PG XE1AO
311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S	290 W3HDH WA8EFK	280 JG1TSG N0KV NM5Z	271 K4NNX 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		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	298 KD4WSC N1NK N4IQ	287 JE1BMJ N8CGY		
306 K6RO WV9L	297 N8YQX N9LF	286 AG1A	277 AC7JM JR1LZK NS4T PV8DX	268 K6OJ N9ZTS W0KAN
305 K6UM (CM88) KF2T KT1J WA9M	296 K6YUI KC7RW	285 K5CZD K9UO N0LD	276 K2CS K2UU K5TWJ K7TAB KE8Y	267 K8DP KG6EG KX9N N2AMC N7UVH N8EHV W4FSO W5WP W9DRB
304 K6IPF W4FC WA0GUD	295 KE4P N7NT W2HRO	284 AB0RX K0KP K4DET KX7L NJ2F (EL96) RETIRED	275 K1MAA K2NJ N4GG W0FK W8PI WA4NVM	266 K1OA K1WVX TG9AJR WB8EJN
303 EA8DBM K8TGC K8TL N7LAN	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	283 K1ST W8OP WA0FQK WB0CQO	274 KB1DMX	265 N5KS
302 KB2TGU W3TI		282 AA0ZP DK8NE K5TA N0GZ N8JCM W4WM	273 K2BLA KM4H KV1J WB0OQV	264 AC8L K4JAF N0TK N9JR
301 N0HJZ N2ZZ VE1JBC	292 KJ6P W1SSN			

NF1O	255 K8MVZ KG4JPL W0NOZ WA8KNE	245 N1IA N3XF VA3CW W3SW WA8ZID	K3KO K4QE	KB9RUG KD5IKG KE4UW N4NX NN5DX
263 AK4PR K3VAT K4XR K9AAA W7CT WB7QBS	254 KF8QL N7QOZ VE3OTL WD5ITW	244 AA9RR K8DV KD8JSP N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	236 K0SU K4NK KL0S MD0CCE N3FTI N9ATD W5AJX W9OO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ
262 AE5FM K3CWH KL7HBK N4ST ND4DX WA0KBZ	253 KG4ERR N2XQM W9TA	243 JA1QJI K3TC W4EJ YV1DIG	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W	227 JA1UAV K8ZT K9TF KS9A W4KXY
261 AF2F K3TWK KB8UUZ N3EW	252 AB5A K1ACL NN4RR VE6NTT VE6SH	242 K3WW KA3TCC WA8MCD	234 CT1EEB KE6FCT	226 AF5WN N7CNH N8UR NM5S W0VX WQ6Q
260 K6JAD N6HC W0PR	251 AD5JK K1NJ K3NK KG7NV NN4SS	241 N6NU W5LO	233 K1AFC N3AIU (DM45) N9NJS VE7VZ W3DF W8PAT XE1L	225 AC9O K9QJ KX9X (EN50) N2WSY N4SV VE3MSC W8AKS WN6W
259 AK0MR KD4ADC KG6I KN5O N1RR NS7K NY1E VE6BMX	250 AA9LC K0CCM N8LRG NW6R	240 AB5GU KG5EIU KI0HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	232 AE4WG K5FO N9NJY VE6TA (DO33) W0PPA	224 JM1SZY JP1LRT K9MQ WA4YA XE1YY
258 K1BD K2HAT NA2NY WB7ECS	249 CT1IUA K8AO KQ5U N1GC	239 F4BKV KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	231 K4MIJ K6HEW KF6GYM VA2CY W9XT	223 GD0TEP K7UA NJ7A
257 K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/0	248 K1ZZ W6VFA	238 AA3GM KV7N	230 JM1IGJ K1ZE KO4MM VA3XJ WB0WAO/8	222 K0YY K2TV K3AJ KA1LMR KD4K W8GJ
256 K3WA N8ZJN	247 W1FKF W3TEF	237 K3FRK	229 K6RG	
	246 K0DAS KK8X N5TIT W4FRA WI7P			

WA2BOT	W0NBC W8RD	W8QID	N4BAF W3TW W5CTV W9TD	W2OO
221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI	212 AB5C KF7NN N2OA N5PA	204 IT9IPQ W5LUA	196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	189 KC0MEA W3SZ WA5VKS
220 HC1BI K7BTW	211 K9FOH NE8S VE3SMA W5HMK	203 K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM W9GFB W9VOB	195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK	188 AD7KI KD4HLG W4AZR W6AER WA7VHF WU9Q WX9M
219 A19L K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO N6UK PV8AZ WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W	194 K2MRK N3FA N9NFT WF1H WK8A	187 JF8QNF K3EA KD3HN KQ0J N1SV
218 K1XH K4IJQ K8YC KB8KVJ N13K	209 AA4IB N1TQ W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V KR0I NN0K WA1MKE WA9ASZ	193 K7PT K9AB	186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE
217 KB1HY ND4V W4DEE	208 AI2N CO8DM KD5HIO PV8ABC	200 4A2MAX N5AO N9AG VA3VU W1AW	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT
216 K7RB N0IS NE1F W5RWF	207 K3HPA N1BCL N8NJA	199 JA8ISU K4GHS N3KfV NJ8J W4OEP WB0YEA	191 JR3REX K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q K0DEW KR4M N1IBM N4BG
215 AL7OC K2SX KI5FJ N2YU N6KW NA5C	206 AB0CT AK4Y K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	198 AC8TO N0UK N7EPD NX0I WA7KYM	190 K2WJ K5ER KC2DLD N9UA W1ATV	183 K5RQ N0FJP N0UBL W2UDT
214 KB9PJJ VE3SYK WA7AJ	205 AF4OD K8SD KE4HOA N5ITO N9ATF	197 K3EGE	182 AJ6T	
213 K3DFL KI6X				

DF3CB	KI4BWW	N8CN	162	KB9VMW
FP/KV1J	SM7FJE	NA2U	AF4GK	W3ZQN
K5GMX	W5ZG	W4IHI	K0QB	
K8WK	WA8UEG	W4JKC	KA1R	153
W2CCC		WK3V	KD4TDI	AA4NC
XE1CL	176		W9JJB	AB4GG
181	AD5ZA	169	W9VS	JA1OVD
AB9FN	K0DI	K6XC	WA1Z	K7AD
K4CMS	KX9X	KD5OMJ		K7ZD
K5HDE	N5QGH	N2BEG	161	KW0A
KB8YKR	NP4BM	N5XES	K4EA	N1OFZ
N3XJX	W5AFD	N7PHY	KB3CWQ	N2ADV
N4DTF	WA5IPS	VE3HHT	N2YBB	N6DHZ
NY0A	WW2R	W8KNO	V44KAI	W3DQS
W2ZDP			VE3LC	W5FI
W4RBO	175	168	W4HOG	W9ILY
W9BS	PV8BR	KG5ZMQ		WB5ZAM
WJ1B		W8WEJ	160	
180	174	167	K5IQ	152
K0OST	K3MD	K4MQG	WA3DRC	N1NUM
K4LYN	K6WRL	KB1YNT		N2WM
KC1MMC	KC6ZWT	KE5EP	159	NU1T
N1RK	KG7P	LU4FW	K4MZ	UT7QF
N6PEQ	KU0A	N0NHW	NS7B	W6IA
N6VH	N1MGO	NO0T	W1EME	WO4G
WA5RR	NA2NY (ex-NA1VT)	TG9ADQ	W4TTO	
	NA6O	W1BAT	WB8NUT	151
	W3SO			KO0Z
	WA2PNI	166	158	W1ZT
179	173	KC2GHT	K8CR	W2DXE
K1EP	K2ZZ	N5VU	KI0D	
KU4WD	K5YPV	NC4RY	N2CG	150
N0LIE	KE4SCY	VA3WEB		N9LAH
N0MMA		WB4KXS	157	NE6I
NH7RO	172	165	K4FX	VE3OAT
VA3DPB	AB9KZ	K4DXT	KB8GC	W7APM
W8LHP	K5ZED	KD5HPT	WA7NB	
WA4QMQ	KI4PKW	N1JFU	156	149
	KJ6HI	W0RIC	K2KJ	AB6CF
178	VE2PN	164	N3RN	K4SAN
4O3A	W4ABC	K2SD	N9KO	KK9H
JR2HCB		K5VWW	VE7VDX	WB4VHF
KA2AYR	171	KD0UHN		
KB0EO	AA4PB	KF9US	155	148
KB1RZA	HP2AT	W4CSW	AE4M	AC0DQ
KG5RJ	KC5GSK	WK7G	K3TD	AG0A
KK8MM	KC5YCH		K6XN	G0OIL
N1ZUK	KI4TZ	163	N7AU	K0RU
NQ2O	NS3L	K2JF	N9OBE	K7IU
VE3NRT	W1PX	K2YSY	NY4I	KB2YSI
W0ZY	WA2KBZ	KK0DX	TG9ANF	N0TM
W1MAD		N5XZ	VA3NQ	N5ZBI
WY7FD	170		WV8DX	W6VNQ (CM88)
	K5DB		154	WB6RAB
177	K9TVG		AE4NT	
AG4ZE	N4GBK			147
K2QQ				AF6AV

IZ1LBG	K9ATX	K4SX	131	VE2JWH
K6PSP	KT8TD	KC5LK	K3NAT	W1FLD
KC1BUF	N9FIV	KC9AXZ	KG9R	WA6BIL
VE3CX	W4FS	KJ5RM	N2CJ	
W4YCC	W4POT	KV1E		126
W5WOX	W6ZI	NO1R		KJ7G
WA0VPJ	WB9WHQ	OE6IMD	130	N0BDS
WA3YGG	WR7AY	W2JCN	AB0X	N7DGI
		W4AVV	AK8CW	WB4HUC
146	140	W7UV	K0GUR	YL2AO
K2GW	AC5DK	XE2JS	K4JKB	
K8YTO	CO2WF		KC4NX	125
KB0YH	CT1BWU	135	KE8RJU	AA6I
KB5ZEA	JA1AFR	CU3EQ	NG9R	AA7DK
KC2TN	K1UO	K4MWB	PV8AJ	K3PU
KM5TY	K7SAM	K8ZIZ	VE1DX	KC5DRI
N4HID	KC0MEZ	LY3W	VE2TZT	KD2NF
VA2RC	KC8TMU	N4DB	W0PHX	NT7C
VE1VOX	KJ4KVC	N8XE	W2LES	W2AJM
	N1EN	W6BXQ	W3FEY	W3UQH
145	N3VOP	WB8BZK	WA2SEI	WA6POZ
KD7YZ	NJ0U	WW2DX	WB4YDL	WB4OMM
V31MD	VE3KY	XE1H	WW5W	WE1P
VA3TTX	W4TUN			
WA4JA	W6DQ	134	129	124
	WA4KXY	AB1NS	8P6ET	K0DLW
144		AB4GE	JF4VZT	K8VA
K0TLG	139	BA4SI	K0KD	KB0HH (EM06)
K5TDW	IZ8FFA	C6ABB	K5QWO	KD5FTD
K6JRA	K1DT	GM4UYE	KC8KSK	KM1C
K8MN	KC7JPC	HK3W	KF4NEF	KT5MR
K8WU	KU0G	KE5FXE	KM5LY	N0SL
KA8SYV	N3FX	N3AIU (DN70)	KM5SC	N9AZZ
N9DI	NA2AA	N8GOU	N9WBR	PV8AAS
W5MPC	W2PD	W4TKI	NZ6N	W0PE
WO7GI	W4OV	WA3WZR		W1TAM
	WA5TKU		128	W7YM
143	WB2JIL	133	KC7QAG	W9CDL
K0KVR	WY0V	KA5ETS	KJ6SDF	
K6JBH		KC1RET	KN4DMN	123
K9QFR	138	KE1VT	W0WT	AC7AF
KB8RJS	AC0XY	KM8V	W5ZO	K9SM
N8URE (FM19)	AI6O	N7T	W8FR	KB0GT
NA1VT	KD7WPJ	W0RT	WB2WEO	KB0STN
W0HNM	KE0A	W4GE	WQ7F	KG6DHQ
W0UHL	KE3D	WW7Q		VE3TG
WB0MMC	KE8RO	XE2O	127	W1HS
WM5H	KQ4KX		AA9RK	W3SE
	N3XH	132	JA3LZS	W4DFU
142		AB3CV	K3GYK	W4PRZ
NA2X	137	IC8TEM	K7UV	W5EWF
NC4VA	N1SZ	K5VG	K8AC	W7MHW
W5SWV	N5JGK	KW4G	K8OS	W8BI
WS4V	SM7AED	N4PPH	KB3OZC	W8KHP
		NE1I	KB9TLV	WA8WV
141	136	VE3TM	KC0RQH	WB2RVX
K4AR	K0XXX	WN6K	N2ZA	
			NO8D	

122 K7AED K7OGW KA9JAC KB4UF KB5WFE KC5UGX N5HYV VE6PY VE7JAC WD0GTY	118 J68AS K4AZV KA4LBD KF6MXK KI7BP KT8X KW4BY N1QDQ N3JNX N5EIL NZ1I W2AC / WB2ABK W2AC/WB2ABK WB2KSK	W2JLK W4ALF W4UFO WO2C WX4US	109 AK6ZZ IW1ARB K2DSW K2JGL K2OO K5DNL K9GY KE6GLA KJ6CA KZ7N N8TMW N9TTX VE3AAQ W0YJT W1OP W4ZRZ W5MPC/1 W7RJR WB6YIY WB9W	K5BJW K7BWH K7JE KB0TIJ KC7ICM KE5JXC KJ6MBW KK2DOG N0RQ N1USB N2IPH N4CE N5FPW N5YHF N8HM N9XMU VA3OKG VE3AJY WB6VYH WQ9F
121 AE1P K0MFI K4HBI KB2WAL KB5MH KE4JFS NE0P/9 UR0MC W8DN WB9TFH	117 AB5J K4WS N4USG N5JEH* N5LPT NU6V W6WE WA1TBV XE2PXN	113 AB4PM AD5MD K3DQB KD4BPZ KD6VCD KM5OL N3JDQ N4YCI N5YK W0BM W8MSP W8VW WD0ENC	N8TTM N9TTX VE3AAQ W0YJT W1OP W4ZRZ W5MPC/1 W7RJR WB6YIY WB9W	105 AC4Q K4SJA K9MAL KB3JGS KC0JYT KC4KK KF4DGS KJ7TH N4NQY N5SAN N7YY NE9O PU4JOE VE3VRQ W8MIL W9RVG WA4MYO
120 EA1YO K2CYE K4CGY KD0R KD4MZM KD5BRF KE4SCY (FM06) N3YPJ VE1JC VE3XK W4LVH WA6RAY WB0WAO WD4OHD	116 IK7EOT JR1BAS K4RGN KI6QDH KU5B N0VR NO0B W0DHB	112 K2MLS K3GD K5WTA KA7T N5HMH W1TR W5DQ W6OAT W7IV W9PN WA8TWM WX3P XE1GK	108 CF3VRQ HB9BZA JA9IPF K5OPB N3MWQ N5DD VE3SUB VE7IG VY2RU W4AMP W4CRN W5AAJ W8EH W9VNE XE1R	104 AB9YC AC5K AC5RN AC9QR IK4DRY K5PPP KB9RNO KC2TR KD9GKL KJ7OG KM6WXB KO4LZ N0STP N1LDY N2FBQ N3UPS
119 AE5AU K0AWU K1ZN K2SQS K4MSG K7JIZ KF7PCL KP3V KT0P KW7N N4UPX W0QC W4SW W7QQ WI4T WM9M	115 K9MMS KE6TVM KF0QS KM5FA N7VGO VK9DX WA3BZT WC7V	111 N0SLT N8IK PC3T W8GBH WZ8P	107 G4BWP JA3EGE K5UIC KF7PG KI9A KK4LUM N3TTT N9OI NF0T US0KW W2ODH W2TTT WB4PPW	
	114 AC8HU K2RET K3RTU K9AAN KC4GCK KG9Z NF8M VE1WOW VE3IRR	110 K5KR K7LD KD5J KI0F KP4JRS KQ4LA KX5U N5TIF N5YM W5DM W7JET W7UP	106 EA4DEI K0MEI	

N7AGF	W5OV	N5XTR	AD8Y	N6MA
NJ1H	W7UT	N7EME	K0KC	N9APK
VE2PIJ	W9NFL	N8COP	K0UD	N9IO
W1TE	WA8EQP	N8XS	K3IXD	N9KY
W1ZE	WB5FDP	VP2MRM	K3QIA	NK7C
W4KVS		W2CH	K4OP	NU0Y
W6ZQ	101	W4/KL7GLL	K5HOB	VA3FIN
W9MDB	AE7V	W4OZK	KA1EKR	W3QT
WB2VUO	K0RAR	W8BZY	KE4LGL	W4CWA
WB8BZK/VE3	K0SBV	W9DQ	KG4YOU	W4DAS
WG3K	K0WJ	WA5TLP	KG7E	W4ID
	K2NUD	WV9E	KJ2G	W7DN
103	K5DWI		KK0CQ	WA6OSX
AA5CK	K5HX	99	KY0Q	WA9LEY
AB0YM	K7SYS	AB0SD	N0JJQ	WB8RVK
AB5SS	KB4KBS	AB3TM	N1JHJ	WB8ZTV
K2OY	KC6AWX	K0YO	N3LRP	WB9PNU
K4MVL	KC8CSD	K4KEW	N5TEY	WE8L
K6USY	KG8WB	K4WQ	N8AID	
K8ZEE	KG9IL	K4ZO	NO5X	96
KA1W	KL2R	K5VPQ	NO8R	AD5OW
KB0FHP	KR4WM	K7DD	VA3VF	AE4TQ
KB2SGX	KR7LD	K7PAP	W2KRP	AK4F
KC9FFV	N1IX	K9ZZE	W6TE	K2CK
KF0AIJ	N4AOE	KA0ZEE	WA2FGK	K2UF
KF4DVG	N8VEA	KC2IEB	WA3TLT	K2UNK
KR4NO	N9DVS	KC6X	WB1GQR	K4EQH
N0YXE	ON9CMR/W0	KD4MWO	WB2YDS	K5CRJ
N1JIF	VA2LQG	KD6RUH	WD0E	K8EMR
VE7DXG	W4LLP	KR4UA	WH6LR	K9OT
W0TF	W5KBD	M5MYH	WT5H	KA2NDX
W3LEO	W7ISG	N4FV	WV5Y	KA3HED
W6IT	WB8IMY	N5OHL		KB5GI
W6XU	WD5IYT	N7HRT	97	KB8PNS
		N7JPF	AB8M	KC0HBP
102	100	N7TE	AJ9C	KD6PY
AA9MY	AC0FT	N8GHZ	K0HB	KI5TE
AB8JH	AI2S	N8YV	K0JQZ	KM2O
AD6KH	AI9U	N9MKC	K0QEI	KM5NU
K0HAQ	K2UA	NB5R	K0SH	KS4V
K3HW	K4UQC	NH6CJ	K0YQ	KT5RR
K5VR	K5GM	NI5W	K3HZO (FN20)	N0WVU
K9AM	K5KV	NS2P	K4GTR	N2LID
K9OHI	K8IJ	VE2HAY	K4JQU	N2VHZ
KA3ZLS	K9CC	W2HOG	K8XF	N2XK
KB8CR	KB9ZLB	W2VU	KA2BSK	N8PAQ
KC6WFS	KC2HLI	W5JLC	KA7EII	N8YBY
KC8DMN	KC8CC	W6TJU	KC0YBM	NT2A
KD8NYO	KC9CMT	WA1LAD	KD5CKP	NW5Q
KE1AU	KD3SW	WA5TRX	KF4KSN	NY2Z
KJ4M	KE5CVM	WB5NHX	KM4NYI	VE2DCP
KR5V	KF0Q	WB7VVD	KT5WB	W1HMM
N1HOQ	KG5X	WK5X	N1SFE	W4KK
N5RMS	KJ5OA	WW2R (EL09)	N1VMJ	W4TMR
VE7ZD	N3TBB		N3UMA	W7JHS
W4RVZ	N4NIA	98	N4BH	W8DM
W5DPT	N5RZK	AC2RL	N5OTY	WA3EEC

WB0M	K4YJ	KB0USF	NS6E	DL1SMA
WB5KJE	K8GT	KC5TGT	UT5JAJ	JH4JNG
WP4LNY	K9DOG	KC5TT	W1PV	K1HC
95	K9SUL	KC9TTR	W2ACY	K1KA
AE0G	KA2F	KC9UL	W2CVW	K3CWF
AE5EO	KA9UVY	KD0QG	W3ACO	K3UAL
K1PNQ	KB7AK	KE6AZX	W3HZU	K4AAP
K4ED	KC0AUY	KE6UMW	W4BP	K4FTP
K8KFJ	KC3AK	KE8RPJ	W4LIA	K4XZ
K8ME	KD4VRZ	KI0J	W6NS	K8EAB
K8VD	KE3WM	N2BX	W8JV	KA5TJI
KD7WH	KF0LA	N2YTF	WA3JKB	KB5FHK
KD8DR	KG4NLZ	N3AO	WA4EEZ	KB7BSA
KD9ZR	KU4JZ	N3ZBK	WM3O	KK4DZP
KF6XA	N0LNE	N4GOA	91	KW3DX
KI0SK	N0LP	N4YHC	AA0CW	N2ULL
KW9U	N2SU	N7EGY	AD3Y	N4BRF
N1XK	N3JBH	N7JI	CO2WZ	N5BA
N2SLO	N3XBG	N7KSI	K1UR	N9JJ
N2WLS	N3YUG	NA9D	K4SPA	N9MSG
N3WAV	N5ZMP	VA7QI	K6YK	VA3XOV
N4ET	N6HY	VE3WMD	K7HPN	W9CPV
N5BLY	N6MXU	W0MHK	K8OI	W9CSY
N5ENU	N7NH	W2VTV	KB2YWU	WA2BEV
N5KI	N7UN	W3ZGD	KB3IAI	WA8OJR
N9IV	N8WWM	W4GPM	KB3NDS	WD9HCF
N9LJX	N9DD	W5DMT	KB7AZ	WE7H
VA3KS	N9UNX	W7EIR	KC5POV	WEST SEATTLE AMA
VA3PZ	VA3MA	W7TRX	KC8LGL	WH6LE
VE3KZ	VE3RX	W9IFW	KG4QWC	WT4C
VE3SPW	VE5MX	W9NED	KI3O	XE3/K5ENS
W3UA	VE7AB	W9WI	KI5BLU	89
W4YZJ	W2GR	WA5ICA	KM7N	AB1TZ
W5ADA	W3IPA	WB5CON	KM9I	AG2AA
W5CBF	W3TA	92	KQ6K	AG7NR
W5RCQ	W4LNG	K1EY	N3PPH	G4NBS
W7JWC	W5ODD	K5GDX	N3WCM	JQ1TIV
W9SX	W5PUF	K5TDA	N7CZ	K4BMM
WA2ONK	WA7LHZ	K7FU	N8DEZ	K5CX
WA3I	WA9BXB	K7HKR	NA7L	K5JAZ
WA4WR	WT9U	K7UWR	NR4J	KA0MWA
WB2SIH	WV7S	KB0PQP	NU4N	KF4TVL
WD8DOT	93	KC4JNW	OE9KFV	KI0G
WS4S	AG2A	KD4QMY	W2SUB	KI4FW
XE2AT	AG6CV	KE4WBO	W4MLN	KI4US
94	AI8F	KG4URP	W5KDA	KR4U
AA4RP	K0IW	KM3V	WB0NRV	N2GZ
AB4VT	K1PTF	KR7X	WB7X	N5KAE
AD1DX	K1ZK	N0RC	WC4V	N8YSZ
HK4SAN	K2AK	N2SG	XE1GZU	N9RG
K0ARM	K2MTS	N3GH	90	N9UDX
K3BEE	K4DAM	N4VN	AA0LM	NE2U
K3TUF	K5TRI	N5QO	AB4WL	VE3VCF
K4JRK	K6RM	N6FD	AB9DU	W0HRO
K4LDC	K7IP	N6RPM	AF5BG	W1HY
	K7TRK	N7DED		W2JEK

W2OK	K4JC	W8DQ	WA4ZXV	KF2TI
W4ZMM	K5UZ	W9QY	WA8ZNC	LU4FPZ
W6VNO	KB1VUN	WA4WKL	XE1EE	TI2CDA
W9HT	KC8NAH	WD4LSS		VE6SO
WA7SDI	KE6WOX	WF4R	80	WC6DX
WB3IAL	KI6RRD		AC6BW	
WM6Y	N0ELA	84	KE4PT	73
WQ5C	N2CJN	CT3FT	KR4Q	JF1IRW
WR5AY	NA5DX	K4EZY	KW1DX	SV1RK
XE2NL	NE5S	KE6NDG	N2NS	VP2MJD
XE3DX	NI5F	N1KI	VY2HF	W4WT
	NN7RM	N2NWS	W5TTY	
88	W8GOC	VE2WBK	W6TCP	72
AA4QE	WB3IGR	W8PU	W7AM	AB1QB
AE0DX	WB8JAY	W8SGR		N4II
AE4OF	WF4W		79	PV8ADI
AF4MI	XE1RBV	83	K4RW	
K1RS		AA6E	KP4N	71
K3TN	86	DL5XJ	N2COP	K0GW
K4XD	AG1T	K1LH	N5YJZ	K4GK
K7CTV	K7FB	K4SQC	N9RC	K5WPN
K7WV	KA9OKH	K6JJ	UW5ZM	W2YR
K7ZYV	KB7JJG	K6UIP	VE3CFK	W3FGP
K9JF	KI6HQT	K8SIA	W2GW	WC5M
KB2KIR	KN4MMH	KB3HHA	W2SKI	
KC1GWX	KP4TB	KB9LIE	WN0L	70
KC3MLC	KT1R	KK7BV		GI4SJQ
KE7RTB	N2NF	KU4WW	78	K4BNC
KE8UM	N3MVF	TG9AKH	K2QPN	KC0ZRX
KI2D	N8TFD	W4HFZ	TG9AWS	W2LV
KI4RFM	NZ3O	W7USB	W4NE	W2QO
KJ4KW	VA3MDB	WD6T		W4GP
N1CEO	VA7LM	WD9IOK	77	
N2MKT	W8IW	WI6Z	K1IFJ	69
N2ZN	WA1PMA	XE1MM	MI0AYR	K3WGR
N4CAG	WA4USA			WD4LBR
N4GN	WB4GCS	82	76	
N4KIN	XE2AU	AD4IE	K0WYN	68
N4UC		K4JMX	KI4CYB	AA4S
N5VBK	85	KC5YKX	KI7WXP	EH7CD
NS3X	EI3IO	KG4KVZ	N1GNB	K6CF
NT4TN	K1UU	N1SF	N2MH/4	KW4OV
VE2VLJ	K4LRP	PU8TEP		
W2BZR	KB3MXK	W5DAS	75	67
W3YX	KC0V	W7YOZ	G4RGK	W7YED
W4DL	KE4DRF	W8GG	K3PP	
W4RXR	KK4AND	WA2ONG	K8QM	66
W7HDD	N2RJ	ZS6NK	N5GH	K6KLY
WA2BTR	N4LS		NP3YL	KK4YEL
WA5MD	VE3GFN	81	NX7U	
WK3N	VE7DAY	AB4I	W5UC	65
WV8O	W1WV	IK8YTA	WP4NEG	JA1XEC
XE1SOV	W3STU	KE4DZU	ZL3AAU	K5EJ
	W4IT	N6MM		N7UJJ
87	W4RA	N7NEV	74	OK1MP
AC0A	W6ST	NI4Y	AK8B	W4CCS
AG4I	W7SIR	W3MC	CX4AAJ	

64 JG2TSL	50 N6DW	37 BA7NQ HB9RUZ JA9APS	26 HL2WA WB7QXU	W0JM
63 EA1DR KB0RFY	48 G8BQX JA9KRO K5XI KI5KC N6DBF N8MR NP3IR YY4DNN	36 JH9DRL OH4UI	25 EA4/K1WE	16 N6VHF
62 K4DXA		35 G14OWA LU9DO	24 EI2JD F4BDG KS4YX LA6OP ON6AB PA7TWO	15 9K2BM EI2GLB HB9HIT HL4GAV JR3UIC LU5FF PY2RN UT3UA UX0DL WC2C
61 CU3AN		34 G4SEU LA2QM	23 GM4ILS HB9G JL1UXH K4SLC KP4EIT W8MK	14 HB9FMN JA2XCR KB8DVT PV8RR PY2OC W9TTY
60 KP4JFR S55DX UR9QQ VK4CZ	47 HB9RYZ	33 HL2IFR UR5WA W8GC WB4SON WB8TGY (EN72)	22 9H1SP HB9ALO IZ3ENH	13 K4WY PY2MC W4PWF
58 HB9BIN HB9EFK 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	11 A65BR DL1TS DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU
56 EA5BY KI5WA LU8ADX NI6T UX1UA	42 TF3JB	30 E72X JA1WSK JL3LSF JO7WXN WA6DNR	19 EA6BB JI4WAO PY2HN SP8NR	
55 G4FKA JL3MCM LA3MHA US5WE WA2EMF	41 K0BBC/R	29 JE1VTZ OE4VIE SP5APW	18 AJ6V KJ4EU OE3SGU VE6TA (DO31) W0HBH	
54 AG4KI	40 E75AA JF1LMB JR0QFA N6PAZ WB8TGY	28 CT8/K0RUI JA6CRP K0FMI OH3DP		
53 K0BBC PP1CZ SP5QWB	39 AA5PK	27 IZ4DPV KC9ELU WP4NIX		
51 CT1ETE N8OFS VE9FCP	38 DD3KF DU1EV IZ8EDJ K8YSE VK5PJ			

DL4CF	PP2RON	DK1CO	OZ1IKY
HB9BOS	SK6QA	EH4BPJ	PU5SVE
PA5KT	VE2NGH	ES8JX	SM3GBA
SV2DCD	VR2XMT	F5TMJ	SM6LPG
TF3Y	W1ZR	G0THY	SQ5NRY
UR7DWW	W2ZF	G4DDL	UN8G
	YL2CZ	G8GNI	UR5EDX
9		GI4ONL	VR2VGM
DL7BA	4	IK1IYU	WB7VUF
EB1EWE	CT7/RC2A	IK2GOQ	YO8WW
EC7ZK	EK/RX3DPK	IZ8XQC	
G6BFP	F1DFR	JA6AVT	
JA1MZL	IV3GOW	JA6SZV	
JA2FGL	JG1JPE	JA9FAI	
KB4YKC	JH7IPR	JP1HDK	
KD3UY	JK6DXD	K7LY	
	S51NM	KEN IN NEBRASKA	
8	UT5EL	LA2CQ	
DK2LO	XE1SAX	OH3KAV	
JA1CPU		SV1XV	
JE3PCP	3	SV3FUO	
N8RO	DF1ZN	YB2DX	
OH8LXT	DJ5AV	YL2KF	
	DL2KQ		
7	EA1AR	1	
G8APB	EA4D	3A2MW	
HB9GWJ	F1RAF	9A2EY	
IZ0INX	G3LHJ	BD4UJ	
JA2NDQ	GM4CFS	CT1AHU	
JJ2UDK	HA9PP	DH8BQA	
JJ2NWI	HL2ZN	DJ3ZF	
LA3DV	IK0WRB	DL2DCX	
N5ORT	IK3ITB	DL4ZAB	
NJ4Y	IK8EPC	EA3WD	
ZS4TX	IK8GYS	EA4GQS	
	IW3GJF	G4VSS	
6	JH7IMX	G6MXL	
CT2FEY	JM1GHT	G7SQS	
DH0GSU	JN1BPM	G8TTI	
DL1TRK	JR6IQI	IK5BSC	
EA8MT	PY5IP	IW0AFS	
EI2JC	SA7CJO	IZ0BTV	
JA7NGE	SV1VN	IZ3DBA	
PY2VA	W1CBY	IZ5FSA	
	WD9EWK (DM43)	JA1GZK	
5	YB1TJ	JA7VXB	
DL5LH	YL2CA	JH8XVT	
EA1AAA	YL2MU	JJ1PFC	
EA7ZY		JL2ULM	
JE1LFX	2	JN3ONX	
JJ5USJ	5B4ALJ	KC3KJQ	
JJ1IDW	7J1ADJ	KG4JSZ	
KB8VAO EN91KT	9A2GA	KH6WI	
M1VPN	9K2NO	KP4DER	
MU0GSY	BV6CC	MM0INH	
OK1IN	CO6CBF	OK1UU	
ON5UE	DF8FT	ON6NA	