

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 (24 Jan 2025). 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	483	472	456
AA0MZ	W5FF	AC0RA	A11K	N4JQQ
AA5AM	W5KI	K0TPP	KB7ME	
AA5C	W5OZI	K1USA	N7ZO	455
AA7A	W7GJ	W0VTT	WD8JJA	K4SO
A15I	W7JW			
K0GU	W7KNT	482	471	453
K1TOL	W7MEM	AD6D	AF5CC	K4YMQ
K4PI	W9FF	KX4R	N5KO	
K4XO	W9JN			452
K5RK	W9RM	481	469	N5BO
K5UR	W9XX	W9VHF	K7BG	W3UR
K5WE	WD5K		KM0T	
K7CW	WQ5S	480	N4TB	450
K7ULS	WS9V	K5GZR		AJ4F
K8SIX		N7KA	467	N9BX
K9CT	487	WB0ULX	AD1C	
KA9CFD	K7MAC	XE2CQ	N5EKO	449
KA9FOX	K7TM	XE2OR	WO7R	KF6HI
KD5M	K9YY			W8TN
KG5CCI	N0AKC	479	466	
KM0A	N7CW	W5WVO	KA0JGH	448
KO9A	N7IR	WA7HQD	KB6NAN	W5XC
KR7O	N7NW		ND4X	XE2K
KV5W	N9ISN	478	WX7M	
N0LL	NA6L	AE5B		447
N0LWF		N5WS	464	K4HB
N0PB	486		KB9OWD	KS7S
N0TB	K1TO	477		N4SC
N1AV	KY7M	K0BJ	463	W5EME
N3SL	N0KE	NC6K	VE3EK	
N3XX		W9RN		446
N5DG	485		462	K6EID
N5OMG	K5ND	476	K6ZH	N4QS
N6JV	K9MU	KC7QY	N6ORB	NV4B
N9LB	N0POH	KC7V	WE9R	
N9UM	W3IP			445
ND0B	WD5COV	474	461	KU7Z
W0FY		N4WW	NA9RB	N5NA
W0JW	484	W6XK		N8OC
W0LGQ	K0SIX		458	
W3CP	W5VY	473	K4MY	444
W4UDH	W5ZN	NQ7R	KG5THG	KB8VAO
W5ADD		WB0O	N9BCA	N7BAV
W5AFY			WB9CIF	NI0G

W4DR	430 K1TEO KF8MY N5TJ	415 K5OMC K7AWB KO4MA N5SYV W0GJ WB5JID	398 K7SMA N8IEZ W1NG W5JAY	VE6MB W4WTA
443 AB4IQ K4XP N4MM N9PGG NE1B	429 WA5JCI		397 K5RT	384 AB4SF K1GG K8ROK
441 K8TB KD3CQ	428 K9APW KP4AJ N2NL N4QWZ N4TL	414 AH0U K7KQA	396 KB8U	382 K5PI K6VHF VE3YXO
440 AG9S W2IRT W3LPL W5THT	427 N4LR W3LL WA1EAZ	413 WA9LFO	395 AA5XE K0AZ K5WBM KF7CQ	381 W3VZ
439 WB8ZBT	426 K4ZOT K8ZR N5OK XE2X	411 K9MK N9EAT	393 K7XC KK4MA NJ6D W4TV	380 K7MCX NE6I NM5U WA5LFD
438 KB9DAK	425 K6ML	410 KE7SW KI8G N4HN	392 AF4HX N4UFO VE4EAR W6OMF	379 N8WNA
437 NY0V WB7CJO	424 N4UFP N9AKR W3EP	408 W7BA	391 N1EVK W4AVY	378 WR7X
436 K1HTV K3SX K7PI W3TC WB8ART	423 AJ4A NA6MG	407 W4AS W5CIA	389 NE9U	376 AA5JF K8GI K8VFX N2WK
435 K9KLD KF6A	422 VE6WQ	406 AK3E K6FG VE2XK 6M FN07P	388 K0IP W4WRL	375 K6QG WB4OQX
434 K1SIX	421 K8ROX WB8BPU	405 AA4SC K5CKS	387 AA1ON 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 W0GN W5AL	402 K3FM	385 KF0M NK1K	372 W5MO
431 K0TLM N2QT	416 K4RWP K7ND	401 K4CKS		371 WA6BYA
		400 W0JRP W0RH W3UUM		370 AG4W K5TN KN4SM KS4YT
		399 WA9DU		

KV7K N3MK NT0V	358 K5RLA	343 AB4EJ K5EK N3RC	KN4NN N0IGZ W3GQ	KU4A N2BJ N8HRZ VE3TMG
369 KF8UN N2DPF	357 K4LVV W5PR	341 KD7DCR NX7U WA7YAZ	332 AA7UN N4JDB N7KDT VA3IKE W9GM	323 KI0E N8II W4MAY W8KEN
368 KB0V W5RCI W6GMT	356 NY1V	340 KE4TH N0AN	331 K8WDA KC0UDO N4MW N6KZ VE7BV	322 VA6SZ
367 AA4ZZ KC4HW KR4BD NT9E W7YAQ	355 N2ZX	339 KE4BKL VA7FC W5VAS	330 KB8MBC NK0S	321 NC7B NS4C W9VA
366 KI7JA W7FI	354 K0DEQ	338 VE3SXE WA5KBH	329 AA1QD N2JJ W1DYJ W2OR W8WG W9DCT W9XA WX4G	320 K0VG N4DW
365 K4JJW KG7CW KZ2I WB4EVH	353 AF2K K0CS K8EB	337 K8ZES NU6S W9EWZ WA5RT WW0E	319 N7US W4ER	318 N3ALN W4HY
364 AB5EB JA7QVI N6QQ	352 NZ3M W0KKK W1JR WA9PWP XE2ML	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3DS WO9S	317 N3PS W1SKU WA7PDC WO2T	316 K3FN KA0ABA N1KDO W4UCK W9BWR
363 W4NH	351 AA4FL K5DTC	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	315 K5VH KG6AY NY2NY	314 KU4XO
362 WA5OLT	350 AB9BH N6VI N8YO	334 K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	313 K0TC N6NR NF4A W4GLV	
361 K7XB K8BL K9NR N7MB N8KOL NG4C	349 K8JH KA0BAD	333 KM4HI		
360 AA4FF K6UM (CN85) N3OC	347 KT8O			
359 NI0P	346 W8LMG			
	345 W3XY XE2YWH			
	344 AC9DX K6FW KB0PE KG8P W1OW			

W5RKN WA1NLG	301 N0HJZ N2ZZ VE1JBC W7IB W9OBG WB0TVY	WA2IIE	282 AA0ZP K5TA N0GZ N8JCM W4WM	KM4H KV1J WB0OQV
312 AF6O KA2GOJ WB3LHD		292 KJ6P W1SSN		272 K0PG XE1AO
311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S	291 KS4S W1WHL	281 K4OY NL7CO W2YE	271 K4NNX K7NII KB7FUV N9JR W3HHN
310 AA8SW NJ7G W9KVR WO4DX	299 VE6WK W1LE W5SUM W8UV WB5GVY	290 W3HDH WA8EFK	280 K2UU N0KV NM5Z	270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B
309 AA4LR VE3XN		289 K4MM K9FA N5BCA NQ7G W4LTJ	279 AA8MA KF9UG N3JPU W0VHF (EL87) WA4NVM XE1FAS	269 K1GJQ K2IE K3ZO KD5R N5EPA N5WD
307 KE5K W3ATV W9RPM WB4KTF	298 KD4WSC N1NK N4IQ	288 HC2FG K1NU N6AR W1DU W4HLR	278 AA9D AJ4W K3JT N0LNO N8BJQ NN1N	
306 K6RO WV9L	297 DK8NE N8YQX N9LF	287 JE1BMJ N8CGY WA8ZID		268 K6OJ N9ZTS W0KAN
305 K6UM (CM88) KF2T KT1J WA9M	296 K6YUI KC7RW	286 AG1A	277 AC7JM JR1LZK NS4T PV8DX	267 K8DP KG6EG KX9N N2AMC N7UVH N8EHW W4FSO W5WP W9DRB
304 K6IPF W4FC WA0GUD	295 KE4P N7NT NA5Z W2HRO	285 K5CZD K9UO N0LD WA4HFN	276 K2CS K5TWJ K7TAB KE8Y	
303 EA8DBM K8TGC K8TL N7LAN	294 JG1TSG K6JSV	284 AB0RX K0KP K4DET KX7L NJ2F (EL96) RETIRED	275 K1MAA K2NJ N4GG W0FK W8PI	
302 KB2TGU W3TI	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC	283 K1ST W8OP WA0FQK WB0CQO	274 KB1DMX	266 K1OA K1WVX TG9AJR WB8EJN
			273 K2BLA	265 N5KS

264 AC8L K4JAF N0TK NF1O	256 K3WA N8ZJN	246 JA1UAV K0DAS KK8X N5TIT W4FRA WI7P	238 AA3GM JP1LRT KV7N	KO4MM VA3XJ WB0WAO/8
263 AK4PR K3VAT K4XR K9AAA W7CT WB7QBS	255 JM1IGJ K8MVZ KG4JPL W0NOZ WA8KNE	245 N1IA N3XF VA3CW	237 K3FRK K3KO K4QE	229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX
262 AE5FM K3CWH KL7HBK N4ST ND4DX WA0KBZ	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
261 AF2F K3TWK KB8UUZ N3EW	253 KG4ERR N2XQM N8LRG W3SW W9TA	243 JA1QJI K3TC W4EJ YV1DIG	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W	227 K8ZT K9TF KS9A W4KXY W5LUA
260 K6JAD N6HC W0PR	252 AB5A CT1EEB K1ACL NN4RR VE6NTT VE6SH	242 K3WW KA3TCC WA8MCD	234 KE6FCT	226 AF5WN GD0TEP N7CNH N8UR NM5S W0VX WQ6Q XE1YY
259 AK0MR KD4ADC KG6I KN5O N1RR NS7K NY1E VE6BMX	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
258 K1BD K2HAT NA2NY WB7ECS	249 CT1IUA K8AO KQ5U N1GC	240 AB5GU KG5EIU KI0HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	232 AE4WG AI9L K5FO N9NJY VE6TA (DO33) W0PPA	224 JM1SZY K9MQ WA4YA
257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/0	248 K1ZZ W6VFA	239 F4BKV KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	231 K4MIJ K6HEW KF6GYM VA2CY W9XT	223 K7UA NI3K NJ7A
	247 W1FKF W3TEF		230 K1ZE	

222 K0YY K2TV K3AJ KA1LMR KD4K W8GJ WA2BOT	PV8AZ VE3SYK WA7AJ	W0BNE W4EJG XE1J	198 AC8TO N0UK N7EPD NX0I WA7KYM	WA5CAM WD4JHD
221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI	213 K3DFL KI6X W0NBC W8RD	205 AF4OD K8SD KE4HOA N5ITO N9ATF W8QID	197 K3EGE N4BAF W3TW W5CTV W9TD	190 K2WJ K5ER KC2DLD N5SMQ N9UA W1ATV W2OO
220 HC1BI K7BTW N7XCZ	212 AB5C JF8QNF KF7NN N2OA N5PA	204 IT9IPQ	196 JR2HCB K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	189 KC0MEA W3SZ WA5VKS
219 K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)	211 K9FOH NE8S VE3SMA W2ZDP W5HMK W6AER	203 K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM W9GFB W9VOB	195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK	188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M
218 K1XH K4IJQ K8YC KB8KVJ	210 JR3REX K3MSB K9YC KL7NO N1TQ N6UK WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W	194 K2MRK N3FA N9NFT WF1H WK8A	187 K3EA KD3HN KQ0J N1SV
217 KB1HY ND4V W4DEE	209 AA4IB W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V KR0I NN0K WA1MKE WA9ASZ	193 K7PT K9AB	186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE
216 K7RB N0IS NE1F W5RWF	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
215 AL7OC K2SX KI5FJ N2YU N6KW NA5C	207 K3HPA N1BCL N8NJA	199 JA8ISU K4GHS N3KJV NJ8J W4OEP WB0YEA	191 K0ITC K9CS KK6OH N9AMW WA2BKN	184 AF5Q K0DEW KR4M N1IBM N4BG
214 KB9PJL	206 AB0CT AK4Y K9YC (EN61) KB0LYL NA5Q			

183 K5RQ N0FJP N0UBL W2UDT	W0ZY W1MAD WY7FD	NS3L W1PX WA2KBZ	WK7G	NY4I TG9ANF VA3NQ WV8DX
182 4O3A AJ6T DF3CB FP/KV1J K5GMX K8WK KK0DX W2CCC XE1CL	177 AG4ZE K2QQ KI4BWW SM7FJE W5ZG WA8UEG	170 K5DB K9TVG N4GBK N8CN NA2U W4IHI W4JKC WK3V	163 K2JF K2YSY N5XZ	154 AE4NT KB9VMW W3ZQN
181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF NY0A W4RBO W9BS WJ1B	176 AD5ZA EA5BY K0DI KX9X N5QGH NP4BM W5AFD WA5IPS WW2R	169 K6XC KD5OMJ N2BEG N5XES N7PHY VE3HHT W8KNO	162 AF4GK K0QB KA1R KD4TDI W9JJB W9VS WA1Z	153 AA4NC AB4GG K7AD K7ZD KW0A N1OFZ N2ADV N6DHZ W3DQS W5FI W9ILY WB5ZAM
180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH WA5RR	175 PV8BR	168 KG5ZMQ W8WEJ	161 K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG	152 AA6I N1NUM N2WM NU1T UT7QF W6IA WO4G
179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	174 K3MD K6WRL KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI	167 K4MQG KB1YNT KE5EP LU4FW N0NHV NO0T TG9ADQ W1BAT	160 K5IQ WA3DRC	151 KO0Z W1ZT W2DXE
178 KA2AYR KB0EO KB1RZA KG5RJ KK8MM N1ZUK NQ2O VE3NRT	173 K2ZZ K5YPV KE4SCY	166 JA1OVD KC2GHT N5VU NC4RY VA3WEB WB4KXS	159 K4MZ NS7B W1EME W4TTO WB8NUT	150 N9LAH VE3OAT W7APM
	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT N1JFU W0RIC	158 K8CR KI0D N2CG	149 AB6CF K4SAN KK9H WB4VHF
	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ	164 K2SD K5VWW KD0UHN KF9US W4CSW	157 K4FX KB8GC WA7NB	148 AC0DQ AG0A G0OIL K0RU K7IU KB2YSI N0TM
			156 K2KJ N3RN N9KO VE7VDX	
			155 AE4M K3TD K6XN N7AU N9OBE	

N5ZBI	142	N3XH	132	127
W6VNU (CM88)	N5RMS		AB3CV	AA9RK
WB6RAB	NA2X	137	IC8TEM	JA3LZS
147	NC4VA	N1SZ	K5VG	K3GYK
AF6AV	W5SWV	N5JGK	KW4G	K7UV
IZ1LBG	WS4V	SM7AED	N4PPH	K8AC
K6PSP	141	136	NE1I	K8OS
KC1BUF	K4AR	K0XXX	VE3TM	KB3OZC
VE3CX	K9ATX	K4SX	WN6K	KB9TLV
W4YCC	KT8TD	KC5LK	131	KC0RQH
W5WOX	N9FIV	KC9AXZ	K3NAT	N2ZA
WA0VPJ	W4FS	KJ5RM	KG9R	NO8D
WA3YGQ	W4POT	KV1E	N2CJ	VE2JWH
146	W6ZI	NO1R	130	W1FLD
K2GW	WB9WHQ	OE6IMD	AB0X	WA6BIL
K8YTO	WR7AY	W2JCN	AK8CW	126
KB0YH	140	W4AVV	JA6RJK	KJ7G
KB5ZEA	AC5DK	W7UV	K0GUR	NOBDS
KC2TN	CO2WF	XE2JS	K4JKB	N7DGI
KM5TY	CT1BWU	135	KC4NX	WB4HUC
N4HID	JA1AFR	CU3EQ	KE8RJU	YL2AO
VA2RC	K1UO	K4MWB	NG9R	125
VE1VOX	K7SAM	K8ZIZ	PV8AJ	AA7DK
W4HFZ	KC0MEZ	LY3W	VE1DX	K3PU
145	KC8TMU	N4DB	VE2TZT	KC5DRI
KD7YZ	KJ4KVC	N8XE	W0PHX	KD2NF
V31MD	N1EN	W6BXQ	W2LES	NT7C
VA3TTX	N3VOP	WB8BZK	W3FEY	W2AJM
WA4JA	NJ0U	WW2DX	WA2SEI	W3UQH
144	VE3KY	XE1H	WB4YDL	W4DFU
K0TLG	W4TUN	134	WW5W	WA6POZ
K5TDW	W6DQ	AB1NS	129	WB4OMM
K6JRA	WA4KXY	AB4GE	8P6ET	WE1P
K8MN	139	BA4SI	JF4VZT	124
K8WU	IZ8FFA	C6ABB	K0KD	K0DLW
KA8SYV	K1DT	GM4UYE	K5QWO	K8VA
N9DI	KC7JPC	HK3W	KC8KSK	KB0HH (EM06)
W5MPC	KU0G	KE5FXE	KF4NEF	KD5FTD
WO7GI	N3FX	N3AIU (DN70)	KM5LY	KM1C
143	NA2AA	N8GOU	KM5SC	KT5MR
K0KVR	W2PD	W4TKI	N9WBR	NO5L
K6JBH	W4OV	WA3WZR	NZ6N	N9AZZ
K9QFR	WA5TKU	133	128	PV8AAS
KB8RJS	WB2JIL	KA5ETS	KC7QAG	W0PE
N8URE (FM19)	WY0V	KC1RET	KJ6SDF	W1TAM
NA1VT	138	KE1VT	KN4DMN	W7YM
W0HNM	AC0XY	KM8V	W0WT	W9CDL
W0UHL	AI6O	N7T	W5ZO	123
WB0MMC	KD7WPJ	W0RT	W8FR	AC7AF
WM5H	KE0A	W4GE	WB2WEO	K9SM
	KE3D	WW7Q	WQ7F	KB0GT
	KE8RO	XE2O		KB0STN
	KQ4KX			KG6DHQ

VE3TG	K7JIZ	VK9DX	110	KI9A
W1HS	KF7PCL	WA3BZT	K5KR	KK4LUM
W3SE	KP3V	WC7V	K7LD	N3TTT
W4PRZ	KT0P		KD5J	N9OI
W5EWF	KW7N	114	KI0F	NF0T
W7MHW	N4UPX	AC8HU	KP4JRS	US0KW
W8BI	W0QC	K2RET	KQ4LA	W2ODH
W8KHP	W4SW	K3RTU	KX5U	W2TTT
WA8WV	W7QQ	K9AAN	N5TIF	WB4PPW
WB2RVX	WI4T	KC4GCK	N5YM	
	WM9M	KG9Z	W7JET	106
122		NF8M	W7UP	EA4DEI
K7AED	118	VE1WOW		K0MEI
K7OGW	J68AS	VE3IRR	109	K5BJW
KA9JAC	K4AZV	W2JLK	AK6ZZ	K7BWH
KB4UF	KA4LBD	W4ALF	G4BWP	K7JE
KB5WFE	KF6MXK	W4UFO	IW1ARB	KB0TIJ
KC5UGX	KI7BP	WO2C	K2DSW	KC7ICM
N5HYV	KT8X	WX4US	K2JGL	KE5JXC
VE6PY	KW4BY		K2OO	KJ6MBW
VE7JAC	N1QDQ	113	K5DNL	KK2DOG
WD0GTY	N3JNX	AB4PM	K9GY	N0RQ
	N5EIL	AD5MD	KE6GLA	N1USB
121	NZ1I	K3DQB	KJ6CA	N2IPH
AE1P	TF3JB	KD4BPZ	KZ7N	N4CE
K0MFI	W2AC / WB2ABK	KD6VCD	N8TMW	N5FPW
K4HBI	W2AC/WB2ABK	KM5OL	N9TTX	N5YHF
KB2WAL	WB2KSK	N3JDQ	VE3AAQ	N8HM
KB5MH		N4YCI	W0YJT	N9XMU
KE4JFS	117	N5YK	W1OP	VA3OKG
NE0P/9	AB5J	W0BM	W4ZRZ	VE3AJY
UR0MC	K4WS	W8MSP	W5MPC/1	WB6VYH
W8DN	N4USG	W8VW	W7RJR	WQ9F
WB9TFH	N5JEH*	WD0ENC	WB6YIY	
	N5LPT		WB9W	105
120	NU6V	112		AC4Q
EA1YO	W6WE	K2MLS	108	K4SJA
K2CYE	WA1TBV	K3GD	CF3VRQ	K9MAL
K4CGY	XE2PXN	K5WTA	HB9BZA	KB3JGS
KD0R		KA7T	JA9IPF	KC0JYT
KD4MZM	116	N5HMH	K5OPB	KC4KK
KD5BRF	IK7EOT	W1TR	N3MWQ	KF4DGS
KE4SCY (FM06)	JR1BAS	W5DM	N5DD	KJ7TH
N3YPJ	K4RGN	W5DQ	VE3SUB	N4NQY
VE1JC	KI6QDH	W6OAT	VE7IG	N5SAN
VE3XK	KU5B	W7IV	VY2RU	N7YY
W4LVH	N0VR	W9PN	W4AMP	NE9O
WA6RAY	NO0B	WA8TWM	W4CRN	PU4JOE
WB0WAO	W0DHB	WX3P	W5AAJ	VE3VRQ
WD4OHD		XE1GK	W8EH	W8MIL
	115		W9VNE	W9RVG
119	K9MMS	111	XE1R	WA4MYO
AE5AU	KE6TVM	N0SLT		
K0AWU	KF0QS	N8IK	107	104
K1ZN	KF9AF	PC3T	JA3EGE	AB9YC
K2SQS	KM5FA	W8GBH	K5UIC	AC5K
K4MSG	N7VGO	WZ8P	KF7PG	AC5RN

AC9QR	KA3ZLS	KB9ZLB	W2VU	KA2BSK
IK4DRY	KB8CR	KC2HLI	W5JLC	KA7EII
K5PPP	KC6WFS	KC8CC	W6TJU	KC0YBM
KB9RNO	KC8DMN	KC9CMT	WA1LAD	KD5CKP
KC2TR	KD8NYO	KD3SW	WA5TRX	KF4KSN
KD9GKL	KE1AU	KE5CVM	WB5NHX	KM4NYI
KJ7OG	KJ4M	KF0Q	WB7VVD	KT5WB
KM6WXB	KR5V	KG5X	WK5X	N1SFE
KO4LZ	N1HOQ	KJ5OA	WW2R (EL09)	N1VMJ
N0STP	VE7ZD	N3TBB		N3UMA
N1LDY	W4RVZ	N4NIA	98	N4BH
N2FBQ	W5DPT	N5RZK	AC2RL	N5OTY
N3UPS	W5OV	N5XTR	AD8Y	N6MA
N7AGF	W7UT	N7EME	K0KC	N9APK
NJ1H	W9NFL	N8COP	K0UD	N9IO
VE2PIJ	WA8EQP	N8XS	K3IXD	N9KY
W1TE	WB5FDP	VP2MRM	K3QIA	NK7C
W1ZE		W2CH	K4OP	NU0Y
W4KVS	101	W4/KL7GLL	K5HOB	VA3FIN
W6ZQ	AE7V	W4OZK	KA1EKR	W3QT
W9MDB	K0RAR	W8BZY	KE4LGL	W4CWA
WB2VUO	K0SBV	W9DQ	KG4YOU	W4DAS
WB8BZK/VE3	K0WJ	WA5TLP	KG7E	W4ID
WG3K	K2NUD	WV9E	KJ2G	W7DN
	K5DWI		KK0CQ	WA6OSX
103	K5HX	99	KY0Q	WA9LEY
AA5CK	K7SYS	AB0SD	N0JJQ	WB8RVK
AB0YM	KB4KBS	AB3TM	N1JHJ	WB8ZTV
AB5SS	KC6AWX	K0YO	N3LRP	WB9PNU
K2OY	KC8CSD	K4KEW	N5TEY	WE8L
K4MVL	KG8WB	K4WQ	N8AID	
K6USY	KG9IL	K4ZO	NO5X	96
K8ZEE	KL2R	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	VA2LGQ	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

N8PAQ	XE2AT	93	KB0PQP	NU4N
N8YBY			KC4JNW	OE9KFV
NT2A	94	AG2A	KD4QMY	W2SUB
NW5Q	AA4RP	AG6CV	KE4WBO	W4MLN
NY2Z	AB4VT	AI8F	KG4URP	W5KDA
VE2DCP	AD1DX	K0IW	KM3V	WB0NRV
W1HMM	HK4SAN	K1PTF	KR7X	WB7X
W4KK	IK8YTA	K1ZK	N0RC	WC4V
W4TMR	K0ARM	K2AK	N2SG	XE1GZU
W7JHS	K3BEE	K2MTS	N3GH	
W8DM	K3TUF	K4DAM	N4VN	90
WA3EEC	K4JRK	K5TRI	N5QO	AA0LM
WB0M	K4LDC	K6RM	N6FD	AB4WL
WB5KJE	K4YJ	K7IP	N6RPM	AB9DU
WP4LNY	K8GT	K7TRK	N7DED	AF5BG
	K9DOG	KB0USF	NS6E	DL1SMA
95	K9SUL	KC5TGT	UT5JAJ	JH4JNG
AE0G	KA2F	KC5TT	W1PV	K1HC
AE5EO	KA9UVY	KC9TTR	W2ACY	K1KA
K1PNQ	KB7AK	KC9UL	W2CVW	K3CWF
K4ED	KC0AUY	KD0QG	W3ACO	K3UAL
K8KFJ	KC3AK	KE6AZX	W3HZU	K4AAP
K8ME	KD4VRZ	KE6UMW	W4BP	K4FTP
K8VD	KE3WM	KE8RPJ	W4LIA	K4XZ
KD7WH	KF0LA	KI0J	W6NS	K8EAB
KD8DR	KG4NLZ	N2BX	W8JV	KA5TJI
KD9ZR	KU4JZ	N2YTF	WA3JKB	KB5FHK
KF6XA	N0LNE	N3AO	WA4EEZ	KB7BSA
KI0SK	N0LP	N3ZBK	WM3O	KK4DZP
KW9U	N2SU	N4GOA		KW3DX
N1XK	N3JBH	N4YHC	91	N2ULL
N2SLO	N3XBG	N7EGY	AA0CW	N4BRF
N2WLS	N3YUG	N7JI	AD3Y	N5BA
N3WAV	N5ZMP	N7KSI	CO2WZ	N9JJ
N4ET	N6HY	NA9D	K1UR	N9MSG
N5BLY	N6MXU	VA7QI	K4SPA	VA3XOV
N5ENU	N7NH	VE3WMD	K6YK	W9CPV
N5KI	N7UN	W0MHK	K7HPN	W9CSY
N9IV	N8WWM	W2VTV	K8OI	W9HBH
N9LJX	N9DD	W3ZGD	KB2YWU	WA2BEV
VA3KS	N9UNX	W4GPM	KB3IAI	WA8OJR
VA3PZ	VA3MA	W5DMT	KB3NDS	WD9HCF
VE3KZ	VE3RX	W7EIR	KB7AZ	WE7H
VE3SPW	VE5MX	W7TRX	KC5POV	WEST SEATTLE AMA
W3UA	VE7AB	W9IFW	KC8LGL	WH6LE
W4YZJ	W2GR	W9NED	KG4QWC	WT4C
W5ADA	W3IPA	W9WI	KI3O	XE3/K5ENS
W5CBF	W3TA	WA5ICA	KI5BLU	
W5RCQ	W4LNG	WB5CON	KM7N	89
W7JWC	W5ODD		KM9I	AB1TZ
W9SX	W5PUF	92	KQ6K	AG2AA
WA2ONK	WA7LHZ	K1EY	N3PPH	AG7NR
WA3I	WA9BXB	K5GDX	N3WCM	G4NBS
WA4WR	WT9U	K5TDA	N7CZ	JQ1TIV
WB2SIH	WV7S	K7FU	N8DEZ	K4BMM
WD8DOT		K7HKR	NA7L	K5CX
WS4S		K7UWR	NR4J	K5JAZ

KA0MWA	NT4TN	85	KC5YKX	KI7WXP
KF4TVL	VE2VLJ	EI3IO	KG4KVZ	N1GNB
KI0G	W2BZR	K1UU	N1SF	N2MH/4
KI4FW	W3YX	K4LRP	PU8TEP	
KI4US	W4DL	KB3MXK	W5DAS	75
KR4U	W4RXR	KC0V	W7YOZ	G4RGK
N2GZ	W7HDD	KE4DRF	W8GG	K3PP
N5KAE	WA2BTR	KK4AND	WA2ONG	K8QM
N8YSZ	WA5MD	N2RJ	ZS6NK	N5GH
N9RG	WK3N	N4LS		NP3YL
N9UDX	WV8O	VE3GFN	81	W5UC
NE2U	XE1SOV	VE7DAY	AB4I	WP4NEG
VE3VCF		W1WV	KE4DZU	ZL3AAU
W0HRO	87	W3STU	N6MM	
W1HY	AC0A	W4IT	N7NEV	74
W2JEK	AG4I	W4RA	NI4Y	AK8B
W2OK	K4JC	W6ST	W3MC	CX4AAJ
W4ZMM	K5UZ	W7SIR	WA4ZXV	KF2TI
W6VNQ	K6UIP	W8DQ	WA8ZNC	LU4FPZ
W9HT	KB1VUN	W9QY	XE1EE	TI2CDA
WA7SDI	KC8NAH	WA4WKL		VE6SO
WB3IAL	KE6WOX	WD4LSS	80	WC6DX
WM6Y	KI6RRD	WF4R	AC6BW	
WQ5C	N0ELA		K7FR	73
WR5AY	N2CJN	84	KE4PT	G4FKA
XE2NL	NA5DX	CT3FT	KR4Q	JF1IRW
XE3DX	NE5S	K4EZY	KW1DX	SV1RK
	NI5F	KE6NDG	N2NS	VP2MJD
88	NN7RM	N1KI	UW5ZM	W4WT
AA4QE	W8GOC	N2NWS	VY2HF	
AE0DX	WB3IGR	VE2WBK	W5TTY	72
AE4OF	WB8JAY	W8PU	W6TCP	AB1QB
AF4MI	WF4W	W8SGR	W7AM	N4II
K1RS	XE1RBV			PV8ADI
K3TN		83	79	
K4XD	86	AA6E	K4RW	71
K7CTV	AG1T	DL5XJ	KP4N	HB9EFK
K7WV	K7FB	K1LH	N2COP	K0GW
K7ZYV	KA9OKH	K4SQC	N5YJZ	K4GK
K9JF	KB7JJG	K6JJ	N9RC	K5WPN
KB2KIR	KI6HQT	K8SIA	VE3CFK	W2YR
KC1GWX	KN4MMH	KB3HHA	W2GW	W3FGP
KC3MLC	KP4TB	KB9LIE	W2SKI	WC5M
KE7RTB	KT1R	KK7BV	WN0L	
KE8UM	N2NF	KU4WW		70
KI2D	N3MVF	TG9AKH	78	GI4SJQ
KI4RFM	N8TFD	W7USB	K2QPN	K4BNC
KJ4KW	NZ3O	WD6T	TG9AWS	KC0ZRX
N1CEO	VA3MDB	WD9IOK	W4NE	W2LV
N2MKT	VA7LM	WI6Z		W2QO
N2ZN	W8IW	XE1MM	77	W4GP
N4CAG	WA1PMA		K1IFJ	
N4GN	WA4USA	82	MI0AYR	69
N4KIN	WB4GCS	AD4IE		K3WGR
N4UC	XE2AU	CB0ZA	76	WD4LBR
N5VBK		K4JMX	K0WYN	
NS3X		KA5WSS	KI4CYB	

68 AA4S EH7CD K6CF KW4OV	NI6T	40 E75AA JF1LMB JR0QFA WB8TGY	SP5APW	PY2HN SP8NR
67 W7YED	55 JL3MCM LA3MHA US5WE WA2EMF	39 AA5PK YL2JZ	28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V KJ4EU OE3SGU VE6TA (DO31) W0HBH
66 K6KLY KK4YEL	54 AG4KI	38 DD3KF DU1EV K8YSE VK5PJ	27 IZ4DPV KC9ELU WP4NIX	17 G3LZQ PY2XAT W0JM
65 JA1XEC K5EJ N7UJJ OK1MP W4CCS	53 K0BBC PP1CZ	37 BA7NQ JA9APS	26 WB7QXU	16 N6VHF
64 JG2TSL	51 CT1ETE N8OFS VE9FCP	36 JA1WSK JH9DRL OH4UI	25 EA4/K1WE	15 9K2BM EI2GLB HB9HIT HL4GAV LU5FF PY2RN UT3UA UX0DL WC2C
63 EA1DR KB0RFY	50 N6DW	35 GI4OWA HA5PT LU9DO	24 EI2JD F1RAF F4BDG KS4YX LA6OP ON6AB PA7TWO	14 HB9FMN JA2XCR KB8DVT PV8RR PY2OC W9TTY
62 IZ8EDJ K4DXA SP5QWB	48 G8BQX JA9KRO K5XI KI5KC N6DBF N8MR NP3IR YY4DNN	34 G4SEU HB9ALO LA2QM UR5WA	23 GM4ILS HB9G JL1UXH K4SLC KP4EIT W8MK	13 K4WY PY2MC W4PWF
61 CU3AN N0GVK UX1UA	47 HB9RYZ	33 HL2IFR W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH	12 EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB
60 KP4JFR S55DX UR9QQ VK4CZ	46 LU2DX	32 N3LRH NP4TT SM6WET	21 EA1YN	11 A65BR DL1TS
58 HB9BIN KC6NBI SV8CS WA2MUA	44 WO3T XE2YWH/1	30 E72X JL3LSF JO7WXN WA6DNR	20 CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA	
57 HL2EIZ IK1ZOF N5LJL	43 8P6SH CT1EEN HB9RUZ K4ZIN SV2AEL	29 HL2WA JE1VTZ OE4VIE	19 EA6BB JI4WAO JR3UIC	
56 KI5WA LU8ADX	41 K0BBC/R N6PAZ			

DL2OE	5	YL2CA	JA7VXB
EA4DAU	DL5LH	YL2MU	JH8XVT
EA4ZK	EA1AAA		JJ1PFC
G4CTY	EA7ZY	2	JL2ULM
IZ4GWE	IK8GYS	5B4ALJ	JN3ONX
JA2KVB	JE1LFX	7J1ADJ	KC3KJQ
PY2DV	JI5USJ	9A2GA	KG4JSZ
PY2GM	JJ1IDW	9K2NO	KH6WI
SP5XMU	KB8VAO EN91KT	BV6CC	KP4DER
	M1VPN	CO6CBF	MM0INH
10	MU0GSY	DF8FT	OK1UU
DL4CF	OK1IN	DK1CO	ON6NA
HB9BOS	ON5UE	EH4BPJ	OZ1IKY
PA5KT	PP2RON	ES8JX	PU5SVE
SV2DCD	SK6QA	F5TMJ	SM3GBA
TF3Y	VE2NGH	G0THY	SM6LPG
UR7DWW	VR2XMT	G4DDL	SQ5NRY
	W1ZR	G8GNI	UN8G
9	W2ZF	GI4ONL	UR5EDX
DL7BA	YL2CZ	IK1IYU	VR2VGM
EB1EWE		IK2GOQ	WB7VUF
EC7ZK	4	IZ8XQC	YO8WW
G6BFP	CT7/RC2A	JA6AVT	
JA1MZL	EK/RX3DPK	JA6SZV	
JA2FGL	F1DFR	JA9FAI	
KB4YKC	IV3GOW	JP1HDK	
KD3UY	JG1JPE	K7LY	
	JH7IPR	KEN IN NEBRASKA	
8	JK6DXD	LA2CQ	
DK2LO	S51NM	OH3KAV	
JA1CPU	UT5EL	SV1XV	
JE3PCP	XE1SAX	SV3FUO	
N8RO		YB2DX	
OH8LXT	3	YL2KF	
	DF1ZN		
7	DJ5AV	1	
G8APB	DL2KQ	3A2MW	
HB9GWJ	EA1AR	9A2EY	
IZ0INX	EA4D	BD4UJ	
JA2NDQ	G3LHJ	CT1AHU	
JI2UDK	GM4CFS	DH8BQA	
JJ2NWI	HA9PP	DJ3ZF	
LA3DV	HL2ZN	DL2DCX	
N5ORT	IK0WRB	DL4ZAB	
NJ4Y	IK3ITB	EA3WD	
ZS4TX	IK8EPC	EA4GQS	
	IW3GJF	G4VSS	
6	JH7IMX	G6MXL	
CT2FEY	JM1GHT	G7SQS	
DH0GSU	JN1BPM	G8TTI	
DL1TRK	JR6IQI	IK5BSC	
DU0A	PY5IP	IW0AFS	
EA8MT	SA7CJO	IZ0BTV	
EI2JC	SV1VN	IZ3DBA	
JA7NGE	W1CBY	IZ5FSA	
PY2VA	WD9EWK (DM43)	JA1GZK	
	YB1TJ	JA7DPC	