

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 (11 Nov 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	W5AFY	484	W6XK	460
AA0MZ	W5AJ	AD6D		K4SO
AA5AM	W5EME	K7BG	473	
AA5C	W5FF		N4TB	459
AA7A	W5KI	483	NQ7R	N5NA
AI5I	W5OZI	AC0RA	WB0O	XE2K
K0GU	W7GJ	K1USA		
K1TOL	W7JW	W0VTT	472	458
K4PI	W7KNT	W5TRL	AI1K	K9NW
K4XO	W7MEM		KB7ME	KG5THG
K5RK	W9FF	482	WD8JJA	N9BCA
K5UR	W9JN	K0BJ	WE9R	
K5WE	W9RM	KX4R		457
K7CW	W9XX		470	NI0G
K7ULS	WD5K	481	WO7R	W3UR
K8SIX	WQ5S	W9VHF		
K9CT	WS9V	WA7HQD	468	456
KA9CFD			VE3EK	N4QS
KA9FOX	487	480		N9PGG
KD5M	K0SIX	K5GZR	467	W5THT
KG5CCI	K1TO	N4WW	N5EKO	
KM0A	K7MAC	WB0ULX		453
KO9A	K9YY	XE2OR	466	K4YMQ
KR7O	KM0T		KA0JGH	KB9DAK
KV5W	N0AKC	479	KB6NAN	W5XC
N0LL	N7CW	N5WS	WB9CIF	
N0LWF	N7IR	W5WVO	WX7M	452
N0PB	N9ISN	W9RN		N5BO
N0TB	NA6L		465	N9BX
N1AV	W3IP	478	NY0V	NE1B
N3SL		AD1C		
N3XX	486	AE5B	464	451
N5DG	K5ND	AF5CC	KB9OWD	K5WBM
N5OMG	KY7M			
N6JV	N0KE	477	463	450
N7NW	N7KA	KC7V	K4MY	AJ4F
N9LB	WD5COV	N5KO		KF8MY
N9UM	XE2CQ	N7ZO	462	
ND0B		NC6K	K6ZH	449
W0FY	485		N6ORB	KF6HI
W0JW	K0TPP	476		W8TN
W0LGQ	K9MU	KC7QY	461	
W3CP	N0POH		N4JQQ	448
W4UDH	W5VY	474	NA9RB	KP4AJ
W5ADD	W5ZN	K7KQA		W3LPL

447 AH0U K3SX K4HB KS7S N4SC	435 KF6A	422 VE6WQ WB5JID	W5PR	393 K1GG K7XC W4TV
	434 K1SIX K8ROX KF0M	420 VE3LYC	406 AK3E K6FG K8EB N4UFO	392 AF4HX W6OMF
446 K1HTV K6EID WB7CJO	433 NA6MG NM5U W3LL W9WO	419 K7NN W0GN W5AL	405 AA4SC K3FRK K5CKS NE9U W0MU	391 AD5A W4AVY
445 K4XP K7PI KU7Z N8OC	432 K6GXO N6KK	417 NJ6D		389 AB4SF
444 N7BAV	431 K0TLM	416 K4RWP K7ND KO4MA	404 AA1ON N2ZX VE4EAR	388 K0IP W4WRL
443 AB4IQ K8ZM N4MM WB8ZBT XE2X	430 K1TEO N5TJ	415 K5OMC K7AWB W0GJ WW1L	403 NH6T/W4	387 KV4T N4CH
442 N2QT N4TL	429 WA5JCI	414 K0DEQ N0GZ ND4X	402 K3FM K7SMA	386 N7IJ NN4R W5TFW W7AH WE4S
441 K8TB K9KLD KD3CQ	428 K5RT K9APW N2NL	413 AE5FM WA9LFO	401 K4CKS	385 NK1K VE6MB W4WTA
440 AG9S W2IRT WA1EAZ	427 N4LR W0RH	412 VE2XK 6M FN07P W1NG	400 W0JRP W3UUM	384 K8ROK W7FI
439 WA9DU	426 K4ZOT K8ZR N5OK W5JAY	411 N9EAT	398 N8IEZ	383 KI0E
438 K9MK	425 K6ML	410 K5XI KE7SW KE8KM X KI8G N4HN	397 K8JH	382 K5PI VE3YXO
437 KK4MA	424 N4UFP N9AKR W3EP WB8BPU	409 N5SYV	396 K6VHF KB8U	381 AG4W W3VZ
436 N4QWZ N9FN W3TC WB8ART	423 AJ4A W4DR	408 W7BA	395 AA5XE K0AZ KF7CQ WB4EVH	380 K7MCX NE6I WA5LFD
		407 W4AS W5CIA	394 AA5JF K2TER KT8O N1EVK	

379 AB9BH KZ2I N8WNA W6TMD	367 AA4ZZ KC4HW KR4BD W7Yaq	352 KF9UG NZ3M VE3DS W0KKK W1DYJ WA9PWP XE2ML	338 N9JR NA5Z VE3SXE W9XA WA5KBH	331 K1GJQ K8WDA KC0UDO N4MW W3TI
378 WR7X	366 KI7JA		337 K8ZES NU6S W9EWZ WA5RT WW0E	330 KB8MBC KG6AY W8PI
377 AB1OC NT9E WA1NLG	365 K4JJW K7XB KG7CW W4FC	351 AA4FL K5DTC		329 AA1QD N2JJ N8HRZ W2OR W8WG W9DCT WB4KTF WX4G
376 K8GI K8VfV N2WK N3OC	364 AB5EB K0RAR N6QQ	350 N6VI N8YO	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA W8OP WO9S	
375 K6QG WB4OQX	363 W4NH	349 KA0BAD		328 K6ME N5PT W2CNS WB3LHD
374 KV7K N6GP N7DB	362 W1JR WA5OLT	346 W8LMG	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX N3PS W9GKA WA7PDC	327 KJ5RC N0YO W2JU
373 K4SSO NY1V	361 K8BL K9NR N1KDO N7MB N8KOL NG4C NI0P	345 KB1EFS VE7BV W3XY XE2YWH		326 K2ZD K6LMN K6TDI NG7M W7JLC WF7T
372 JA7QVI W5MO		344 AC9DX K6FW KB0PE N9XG W1OW	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	
371 WA6BYA	360 AA4FF K6UM (CN85)	343 AB4EJ K5EK N3RC W2HRO		325 WA2AEY
370 K5TN KN4SM KS4YT N3MK NT0V	358 K5RLA K6EME KG8P NK0S	341 KD7DCR NX7U WA7YAZ	333 KM4HI KN4NN N0IGZ N6KZ W3GQ	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY
369 KF8UN N2DPF	357 K4LVV	340 KE4TH N0AN N8LRG	332 AA7UN N4JDB N7KDT VA3IKE VE1JBC W9GM	323 N8II W8KEN WO2T
368 K0DD KB0V W5RCI W6GMT	355 KD5XB	339 KE4BKL VA7FC W5VAS		

322 AA8SW N3ALN VA6SZ	W2BZY W5DB	300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH WX0Z WX2S	291 KS4S W1WHL W2CCC	K4OY NL7CO W2YE
321 NC7B NS4C W9VA	310 N1NK NJ7G W9KVR WO4DX		290 JE1BMJ WA8EFK	280 N0KV NM5Z W1FKF
320 N4DW	309 AA4LR	299 DK8NE VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA N7RO NQ7G W4LTJ	279 AA8MA N3JPU W0VHF (EL87) W8GJ XE1FAS
319 N7US W4ER	308 WA4HFN			278 AA9D AJ4W K3JT K3WA KV7N N0LNO N8BJQ NN1N
318 W4HY	307 K1ST KE5K W3ATV W9RPM	298 AG1A KD4WSC N4IQ	288 K1NU N6AR W1DU W4HLR W7YA	
317 KA8SYV W1SKU W3HDH	306 K4QE K6RO N0LD WB0OQV WV9L	297 KE8Y N8YQX N9LF	287 K8DP KC7MRQ N8CGY WA4NVM	277 AC7JM NS4T PV8DX
316 K3FN KA0ABA W4UCK W9BWR	305 K3VAT K6UM (CM88) KF2T KT1J WA9M	296 K4XR K6YUI KC7RW	285 K5CZD K9UO XE1YY	276 K2CS K5TWJ K7TAB W9OO
315 K5VH NY2NY XE1AO	304 K6IPF WA0GUD	295 JG1TSG KE4P N7NT	284 AB0RX K0KP K4DET KX7L NJ2F (EL96)	275 K1MAA K2NJ N4GG W0FK
314 KU4XO VE3XN	303 EA8DBM K8TGC K8TL N7LAN	294 K6JSV		274 KB1DMX WA8MCD
313 K0TC N2ZZ N6NR N7UVH NF4A W4GLV W5RKN	302 KB2TGU N3KN	293 K2UU K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	283 K2BLA WA0FQK WB0CQO	
312 AF6O KA2GOJ	301 N0HJZ W7IB W9OBG WA8ZID WB0TVY	292 KJ6P W1SSN	282 AA0ZP K0CAO K0PG K5TA N8JCM W4WM	273 KM4H KV1J VE6SH
311 AC9S KM3T KS4XQ			281 JR1LZK	272 KF8QL KO4PRE N4SV

271 K7NII KB7FUV KM3V W3HHN W3SW	263 AK4PR K9AAA WB7QBS	KG4JPL NI3K W0NOZ WA8KNE	N5TIT VE6TA (DO33) W4FRA WI7P	237 K3KO
270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B	262 K3CWH KD8JSP N4ST ND4DX WA0KBZ	254 N7QOZ NR0Q VE3OTL WD5ITW	245 N1IA N3XF VA3CW	236 K0SU K4NK KB1HY N3FTI N9ATD W5AJX
269 K2IE K3ZO KD5R KK0DX N5EPA N5WD VA2CY	261 AF2F K3TWK KB8UUZ N3EW	253 KG4ERR N2XQM	244 AA9RR K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W
268 K6OJ N9ZTS W0KAN	260 K6JAD N6HC NT7C XE1YD	252 AB5A CT1EEB F4BKV K1ACL K3NK N9ATF NN4RR VE6NTT	243 JA1QJI K3TC W4EJ YV1DIG	234 KE6FCT
267 KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	259 K1BD KD4ADC KG6I KN5O NS7K NY1E VE6BMX W9TA WA4YA	251 AD5JK HC1BI K1NJ KG7NV NN4SS	242 AE4WG K3WW KA3TCC	233 K1AFC N3AIU (DM45) N5PA N9NJS VE7VZ W3DF W8PAT W9TD XE1L
266 K1OA K1WVX TG9AJR VE3MSC WB8EJN	258 K2HAT NA2NY WB7ECS	250 AA9LC KL0S NW6R	241 N6NU W5LO	232 K5FO N0FJP N9NJY
265 N5KS W7CT	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB W0PPA WA2HFI/0	249 CT1IUA K7LOL K8AO KQ5U N1GC W2LV	240 AB5GU KG5EIU KI0HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	231 AI9L K4MIJ K5VR K6HEW KF6GYM W9XT
264 AC8L K4JAF K5KEW N0TK NF1O	256 N8ZJN	248 K1ZZ W6VFA	239 K9MQ KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	230 K1ZE KO4MM VA3XJ WB0WAO/8
	255 JM1IGJ K8MVZ	247 W3TEF	238 AA3GM JP1LRT MD0CCE	229 K6RG KB9RUG KD5IKG KE4UW

N4NX NN5DX W5LUA	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	W0NBC	K8SD KE4HOA N5ITO W8QID	W8DM WA7KYM
228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 K7BTW N7XCZ	212 AB5C JF8QNF JR3REX KF7NN N1SV N2OA	204 LU2DX WA3DRC	197 K3EGE N4BAF W3TW W5CTV
227 JM1SZY K3HPA K8ZT K9TF KS9A W4KXY XE1GLL	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	211 K9FOH NE8S VE3SMA W2ZDP W5HNK W6AER W6KAP	203 K0VSV K5HYT K5LOW N0HF N8SYF W1RM W3SZ W9GFB W9VOB WA1KPD	196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W
226 AF5WN GD0TEP N7CNH N8UR NM5S W0VX W8RD WQ6Q	218 K1XH K4IJQ K5HPT KB8KVJ KC0VDY NA5C	210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W JA7MSQ K2WJ K6VDP KG6WIK
225 AC9O K9QJ KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	217 ND4V W4DEE	209 AA4IB W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ	194 K2MRK K3EA N3FA N9NFT WF1H WK8A
224 IT9IPQ JA8ISU NJ8J	216 K7RB N0IS N6PM NE1F W4HFZ W5RWF WA2OTC	208 AI2N CO8DM KD5HIO PV8ABC	200 4A2MAX K4YJ N5AO N9AG VA3VU W1AW	193 K7PT K9AB
223 K7UA NJ7A	215 AL7OC K2SX KI5FJ N2YU N6KW	207 N1BCL N8NJA	199 N3KFV W4OEP WB0YEA	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN
222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	214 KB9PJL VE3SYK WA7AJ	206 AB0CT AK4Y CT3MD K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	198 AC8TO JR2HCB N0UK N7EPD NX0I	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD
	213 K3DFL KI6X	205 AF4OD		190 K5DB

K5ER KC2DLD KK8MM N5SMQ N9UA W1ATV W2OO WB0DBS	182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I XE1CL	SM7FJE W5ZG WA8UEG	NA2U W1MJC W4IHI W4JKC WK3V	N3FX N5XZ
189 KC0MEA WA5VKS	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF N9MSG NY0A W4RBO W9BS WJ1B	176 AD5ZA EA5BY K0DI KX9X N5QGH NP4BM W5AFD WA5IPS WW2R	169 K6XC KD5OMJ N2BEG N5XES N7PHY NY4I VE3HHT W8KNO	162 AF4GK K0QB KA1R KD4TDI N5SIX W9JJB W9VS WA1Z WB0WAO
188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M		175 PV8BR	168 KG5ZMQ W2PD W8WEJ	161 K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG
187 AA8R KD3HN KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	174 K3MD K6WRL KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI	167 K4MQG KB1YNT KE5EP LU4FW N0NHW NO0T TG9ADQ W1BAT	160 AB1QB JA1AFR K5IQ
186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE	179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	173 K2ZZ K5YPV KE4SCY	166 JA1OVD KC2GHT N5VU NC4RY VA3WEB WB4KXS	159 G0OIL K4MZ NS7B W1EME W4TTO WB8NUT
185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT	178 KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD W9JJ WY7FD	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT N1JFU W0RIC	158 I0WTD K8CR KI0D N2CG
184 4O3A AF5Q K0DEW KR4M N1IBM N4BG		171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	157 K4FX KB8GC KC2WUF WA7NB
183 K5RQ N0UBL W2UDT	177 AG4ZE K2QQ KI4BWW	170 K9TVG N4GBK N8CN	163 K2JF K2YSY	156 K2KJ K9OHI N3RN N9KO VE7VDX
				155 AE4M CT1BWU

K3TD K6XN N7AU N9OBE TG9ANF VA3NQ WV8DX	AG0A K0RU K7IU KB2YSI N0TM N5ZBI W6VNIQ (CM88) WB6RAB	WB0MMC WM5H	KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	XE2O
154 AE4NT KB9VMW KD2NF W3ZQN	147 AF6AV IZ1LBG K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	142 N2ZA N5RMS NA2X NC4VA PV8AJ W5SWV WA5TKU WS4V	137 N1SZ N5JGK SM7AED	132 AB3CV IC8TEM K5VG KW4G N4PPH N7TP N8IK NE1I VE3TM WN6K
153 AA4NC AB4GG K7AD K7ZD N1OFZ N2ADV N6DHz W3DQS W5FI W9ILY WB5ZAM	146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	141 K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WR7AY	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS	131 JR1BAS K3NAT KG9R N2CJ TF3JB
152 AA6I N0RC N1NUM N2WM NU1T UT7QF W6IA WO4G	145 KD7YZ V31MD VA3TTX WA4JA	140 AC5DK BA4SI CO2WF K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VE3KY W4TUN W6DQ WA4KXY	135 CU3EQ K4MWB K8ZIZ LY3W N4DB N8XE W6BXQ WB8BZK WW2DX XE1H	130 AB0X JA3LZS K0GUR K4JKB K8LG KC4NX NG9R VE1DX VE2Tzt W0PHX W2LES W3FEY WA2SEI WB4YDL WW5W
151 K00Z OE6IMD W1ZT W2DXE	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI YV4NN	139 IZ8FFA KC7JPC KU0G N7T NA2AA NZ6N W4OV WB2JIL WY0V	134 AB1NS AB4GE C6ABB GM4UYE KE5FXE N3AIU (DN70) N8GOU W4TKI WA3WZR	129 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR
150 N9LAH VE3OAT W7APM	143 K0KVR K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL	138 AC0XY AI6O JA6RJK	133 KA5ETS KC1RET KE1VT KM8V W0RT W4GE WI5D WW7Q	128 JR2LJO KC7QAG KJ6SDF KN4DMN N1SFE W0WT W5ZO

W8FR	VE3TG	KP3V	WC7V	110
WB2WEO	W1HS	KT0P		EA4DEI
	W3SE	KW7N	114	K5KR
127	W4PRZ	N4UPX	AC8HU	K7LD
AA9RK	W5EWF	W0QC	K2RET	KD5J
K3GYK	W7MHW	W4SW	K3RTU	KI0F
K7UV	W8BI	W5DM	K9AAN	KP4JRS
K8AC	W8KHP	W7QQ	KC4GCK	KQ4LA
K8OS	WA8WV	WI4T	KG9Z	KX5U
KB3OZC	WB2RVX	WM9M	NF8M	N5TIF
KB9TLV			VE1WOW	N5YM
KC0RQH	122	118	VE3IRR	W7JET
N6UTC	K7AED	J68AS	W2JLK	W7UP
NO8D	K7OGW	K4AZV	W2ZQ	
VE2JWH	KA9JAC	KA4LBD	W4ALF	109
W1FLD	KB4UF	KF6MXK	W4UFO	AK6ZZ
WA6BIL	KB5WFE	KI7BP	WO2C	G4BWP
	KC5UGX	KT8X	WX4US	IW1ARB
126	N5HYV	KW4BY		K2DSW
KJ7G	VE6PY	N1QDQ	113	K2JGL
N0BDS	VE7JAC	N3JNX	AB4PM	K2OO
N7DGI	WD0GTY	N5EIL	AD5MD	K5DNL
WB4HUC		W2AC / WB2ABK	K3DQB	K9GY
YL2AO	121	W2AC/WB2ABK	KD4BPZ	KE6GLA
	AE1P	WB2KSK	KD6VCD	KJ6CA
125	K0MFI		KM5OL	KZ7N
AA7DK	K4HBI	117	N3JDQ	N8TMW
K3PU	KB2WAL	AB5J	N4YCI	N9TTX
KC5DRI	KB5MH	K4WS	N5YK	VE3AAQ
W2AJM	KE4JFS	N4USG	W0BM	W0YJT
W3UQH	NE0P/9	N5JEH*	W8MSP	W1OP
W4DFU	UR0MC	N5LPT	W8VW	W4ZRZ
WA6POZ	W8DN	NA7L	WD0ENC	W5MPC/1
WB4OMM	WB9TFH	NU6V		W7RJR
WE1P		W6WE	112	WB6YIY
	120	WA1TBV	K2MLS	WB9W
124	EA1YO	XE2PXB	K3GD	
K0DLW	K2CYE		K5WTA	108
KB0HH (EM06)	K4CGY	116	KA7T	CF3VRQ
KD5FTD	KD0R	IK7EOT	N5HMH	HB9BZA
KM1C	KD4MZM	K4RGN	W1TR	JA9IPF
KT5MR	KD5BRF	KI6QDH	W5DQ	JP7EIP
N0SL	KE4SCY (FM06)	KU5B	W6OAT	K5OPB
N9AZZ	N3YPJ	N0VR	W7IV	N3MWQ
PV8AAS	VE1JC	NO0B	W9PN	N5DD
W0PE	VE3XK	W0DHB	WA8TWM	VE3SUB
W1TAM	WA6RAY		WG3K	VE7IG
W6SCQ	WD4OHD	115	WX3P	VY2RU
W7YM		K9MMS	XE1GK	W4AMP
W9CDL	119	KE6TVM		W4CRN
	AE5AU	KF0QS	111	W5AAJ
123	K0AWU	KF9AF	N0SLT	W8EH
AC7AF	K1ZN	KM5FA	PC3T	W9VNE
K9SM	K2SQS	N7VGO	W8GBH	XE1R
KB0GT	K4MSG	UW5ZM	WZ8P	
KB0STN	K7JIZ	VK9DX		107
KG6DHQ	KF7PCL	WA3BZT		JA3EGE

K5UIC	AC5RN	K0HAQ	K5GM	NH6CJ
KF7PG	AC9QR	K3HW	K5KV	NI5W
KI9A	IK4DRY	K9AM	K8IJ	NS2P
KK4LUM	K5PPP	KA3ZLS	K9CC	VE2HAY
N3TTT	KB9RNO	KB8CR	KB9ZLB	W2HOG
N9OI	KC1LXO	KC6WFS	KC2HLI	W2VU
NF0T	KC2TR	KC8DMN	KC8CC	W5JLC
US0KW	KD9GKL	KD8NYO	KC9CMT	W6TJU
W2TTT	KJ7OG	KE1AU	KD3SW	WA1LAD
WB4PPW	KM6WXB	KJ4M	KE5CVM	WA5TRX
	KO4LZ	KR5V	KF0Q	WB5NHX
106	N0STP	N1HOQ	KG5X	WB7VVD
K0MEI	N1LDY	VE7ZD	KJ5OA	WK5X
K5BJW	N2FBQ	W4RVZ	N3TBB	WW2R (EL09)
K7BWH	N3UPS	W5DPT	N4NIA	
K7JE	N7AGF	W5OV	N5RZK	98
KB0TIJ	NJ1H	W7UT	N5XTR	AC2RL
KC7ICM	VE2PIJ	W9NFL	N7EME	AD8Y
KE5JXC	W1TE	WA8EQP	N8COP	K0KC
KJ6MBW	W1ZE	WB5FDP	N8XS	K0UD
KK2DOG	W4KVS		VP2MRM	K3IXD
N0RQ	W6ZQ	101	W2CH	K3QIA
N1USB	W9EBK	AE7V	W4/KL7GLL	K4OP
N2IPH	W9MDB	K0IN	W4OZK	K5HOB
N4CE	WB2VUO	K0SBV	W8BZY	KA1EKR
N5FPW	WB8BZK/VE3	K0WJ	W9DQ	KE4LGL
N5YHF	WL7OU	K2NUD	WA5TLP	KG4YOU
N8HM		K5DWI	WV9E	KG7E
N9XMU	103	K5HX		KJ2G
VA3OKG	AA5CK	K7SYS	99	KK0CQ
VE3AJY	AB0YM	KB1JDX	AB0SD	KY0Q
WB6VYH	AB5SS	KB4KBS	AB3TM	N0JJQ
WQ9F	K2OY	KC6AWX	K0YO	N1JHJ
	K4MVL	KC8CSD	K4KEW	N3LRP
105	K6USY	KG8WB	K4WQ	N5TEY
AC4Q	K8ZEE	KG9IL	K4ZO	N8AID
DS4EOI	KA1W	KL2R	K5VPQ	NO5X
K4SJA	KB0FHP	KR4WM	K7DD	NO8R
K9MAL	KB2SGX	KR7LD	K7PAP	VA3VF
KB3JGS	KC9FFV	N1IX	K9ZZE	W2KRP
KC0JYT	KF0AIJ	N4AOE	KA0ZEE	W6TE
KC4KK	KF4DVG	N8VEA	KC2IEB	WA2FGK
KF4DGS	KR4NO	N9DVS	KC6X	WA3TLT
KJ7TH	N0YXE	ON9CMR/W0	KD4MWO	WB1GQR
N4NQY	N1JIF	VA2LGQ	KD6RUH	WB2YDS
N5SAN	NF6P	W4LLP	KG9AP	WD0E
N7YY	NN2D	W5KBD	KR4UA	WH6LR
NE9O	VE7DXG	W7ISG	M5MYH	WT5H
PU4JOE	W0TF	WB8IMY	N4FV	WV5Y
VE3VRQ	W3LEO	WD5IYT	N5OHL	
W8MIL	W6IT		N7HRT	97
W9RVG	W6XU	100	N7JPF	AB8M
WA4MYO		AC0FT	N7TE	AJ9C
	102	AI2S	N8GHZ	K0HB
104	AA9MY	AI9U	N8YV	K0JQZ
AB9YC	AB8JH	K2UA	N9MKC	K0QEI
AC5K	AD6KH	K4UQC	NB5R	K0SH

K0YQ	KT5RR	WA3I	W5ODD	WA5ICA
K3HZO (FN20)	N0WVU	WA4WR	W5PUF	WB5CON
K4GTR	N2LID	WB2SIH	W7NX	
K4JQU	N2VHZ	WD8DOT	WA7LHZ	92
K8XF	N2XK	WS4S	WA9BXB	K1EY
KA2BSK	N8PAQ	XE2AT	WT9U	K5GDX
KA7EII	N8YBY		WV7S	K5TDA
KC0YBM	NT2A	94		K7FU
KD5CKP	NW5Q	AA4RP	93	K7HKR
KF4KSN	NY2Z	AB4VT	AG2A	K7UWR
KM4NYI	VE2DCP	AD1DX	AG6CV	KB0PQP
KT5WB	W1HMM	AK8CW	AI8F	KC4JNW
N1VMJ	W3VHF	HK4SAN	K0IW	KD4QMY
N3UMA	W4KK	IK8YTA	K1PTF	KE4WBO
N4BH	W4TMR	K0ARM	K1ZK	KG4URP
N6MA	W7JHS	K3BEE	K2AK	KR7X
N9APK	WA3EEC	K3TUF	K2MTS	N2SG
N9IO	WB0M	K4JRK	K4DAM	N3GH
N9KY	WB5KJE	K4LDC	K5TRI	N4VN
NK7C	WP4LNY	K4NNX	K6RM	N5QO
NU0Y		K8GT	K7IP	N6FD
VA3FIN	95	K9DOG	K7TRK	N6RPM
W3QT	AB9AI	K9SUL	KB0USF	N7DED
W4CWA	AE0G	KA2F	KC5TGT	NS6E
W4DAS	AE5EO	KA9UVY	KC5TT	UT5JAJ
W4ID	K1PNQ	KB7AK	KC9TTR	W1PV
W7DN	K4ED	KC0AU	KC9UL	W2ACY
WA6OSX	K8KFJ	KC3AK	KD0QG	W2CVW
WA9LEY	K8ME	KD4VRZ	KE6AZX	W3ACO
WB8RVK	K8VD	KE3WM	KE6UMW	W3HZU
WB8ZTV	KD7WH	KF0LA	KE8RPJ	W4BP
WB9PNU	KD8DR	KG4NLZ	KI0J	W4LIA
WE8L	KD9ZR	KU4JZ	KK7MNC	W6NS
	KF6XA	KV3W	N2BX	W8JV
96	KI0SK	N0LNE	N2YTF	WA3JKB
AD5OW	KW9U	N0LP	N3AO	WA4EEZ
AE4TQ	N1XK	N1TOR	N3ZBK	WM3O
AK4F	N2SLO	N2SU	N4GOA	
HB9EFK	N2WLS	N3JBH	N4YHC	91
K2CK	N3WAV	N3XBG	N7EGY	AA0CW
K2UF	N4ET	N3YUG	N7JI	AD3Y
K2UNK	N5BLY	N5ZMP	N7KSI	CO2WZ
K4EQH	N5ENU	N6HY	NA9D	K1UR
K5CRJ	N5KI	N6MXU	VA7QI	K4SPA
K8EMR	N9IV	N7NH	VE3WMD	K6YK
K9OT	N9LJX	N7UN	W0MHK	K7HPN
KA2NDX	VA3KS	N8WWM	W2VTV	K8OI
KA3HED	VA3PZ	N9DD	W3ZGD	KB2YWU
KB5GI	VE3KZ	N9UNX	W4GPM	KB3IAI
KB8PNS	VE3SPW	VA3MA	W4VG	KB3NDS
KC0HBP	W4YZJ	VE3RX	W5DMT	KB7AZ
KD6PY	W5ADA	VE5MX	W5DWA	KC5POV
KI5TE	W5CBF	VE7AB	W7EIR	KC8LGL
KM2O	W5RCQ	W2GR	W7TRX	KE1IU
KM5NU	W7JWC	W3IPA	W9IFW	KE7RTB
KR4EE	W9SX	W3TA	W9NED	KG4QWC
KS4V	WA2ONK	W4LNG	W9WI	KI3O

KI5BLU	89	N0OK	N8TFD	KK7BV
KM7N	AB1TZ	N1CEO	NZ3O	KU4WW
KM9I	AG2AA	N2MKT	VA3MDB	N6KTH
KQ6K	AG7NR	N2ZN	VA7LM	SV2AEL
N3PPH	G4NBS	N4CAG	VE7IRU	TG9AKH
N3WCM	JQ1TIV	N4GN	W8IW	W7USB
N6DW	K4BMM	N4KIN	WA1PMA	WD6T
N7CZ	K5CX	N4UC	WB4GCS	WD9IOK
N8DEZ	K5JAZ	N5VBK	XE2AU	WI6Z
NR4J	KA0MWA	NS3X		XE1MM
NU4N	KF4TVL	NT4TN	85	82
OE9KfV	KI0G	VE2VLJ	EI3IO	AD4IE
VA2BBW	KI4FW	W2BZR	K1UU	CB0ZA
W2SUB	KI4US	W3YX	K4LRP	K3RJK
W4MLN	KR4U	W4DL	KB3MXK	K4JMX
W5KDA	KT3X	W4RXR	KC0V	KA5WSS
WB0NRV	N2GZ	W7HDD	KE4DRF	KC5YKX
WB7X	N5KAE	WA2BTR	KK4AND	KG4KVZ
WC4V	N8YSZ	WA5MD	N2RJ	N1SF
XE1GZU	N9RG	WK3N	N4LS	PU8TEP
	N9UDX	WV8O	NJ1Q	W5DAS
90	NE2U	XE1SOV	VE3GFN	W7YOZ
AA0LM	VE3VCF		VE7DAY	W8GG
AB4WL	W0HRO	87	W1WV	WA2ONG
AB9DU	W1HY	AC0A	W3STU	
AF5BG	W2JEK	AG4I	W4IT	81
DL1SMA	W2OK	K4JC	W4RA	AB4I
JH4JNG	W4ZMM	K5UZ	W6ST	DF3CB
K1HC	W6VNQ	K5WO	W7SIR	KE4DZU
K1KA	W9HT	K6UIP	W8DQ	N6MM
K3CWF	WA7SDI	KB1VUN	W9QY	N7NEV
K3UAL	WB3IAL	KC8NAH	WA4WKL	NI4Y
K4AAP	WM6Y	KE6WOX	WD4LSS	W3MC
K4FTP	WQ5C	KI6RRD	WF4R	WA4ZXV
K4XZ	WR5AY	N0ELA		WA8ZNC
K8EAB	XE2NL	N2CJN	84	XE1EE
KA5TJI	XE3DX	NA5DX	CT3FT	
KB5FHK		NE5S	K4EZY	80
KB7BSA	88	NI5F	KE6NDG	AC6BW
KK4DZP	AA4QE	NN7RM	N1KI	K7FR
KW3DX	AE0DX	W8GOC	N2NWS	KE4PT
N2ULL	AE4OF	WB3IGR	VE2WBK	KR4Q
N4BRF	AF4MI	WB8JAY	W8PU	KW1DX
N5BA	K1RS	WF4W	W8SGR	N2NS
N9JJ	K3TN	XE1RBV	ZS6NK	VY2HF
VA3XOV	K4XD			W5TTY
W9CPV	K7CTV	86	83	W6TCP
W9CSY	K7WV	AG1T	AA6E	W7AM
W9HBH	K7ZYV	K7FB	AC9GK	
WA2BEV	K9JF	KA9OKH	DL5XJ	79
WA8OJR	KB2KIR	KB7JJG	K1LH	K4RW
WD9HCF	KC1GWX	KI6HQT	K4SQC	K5JBT
WE7H	KC3MLC	KN4MMH	K6JJ	KB4DSL
WEST SEATTLE AMATEUR	KC8EVR	KP4TB	K8SIA	KP4N
WH6LE	KI2D	KT1R	KB3HHA	N2COP
WT4C	KI4RFM	N2NF	KB9LIE	N5YJZ
XE3/K5ENS	KJ4KW	N3MVF	KC1UYZ	

N9RC VE3CFK W2GW W2SKI WN0L	71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	K4DXA N6ZDH	JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA	34 G4SEU LA2QM
78 K2QPN SP5QWB TG9AWS W4NE	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	61 CU3AN K4MLB N0GVK US5WE UX1UA	47 HB9RYZ JE1VTZ	33 W8GC WB4SON WB8TGY (EN72)
77 K1IFJ MI0AYR	69 K3WGR W1YM WD4LBR	60 IZ4DPV KP4JFR S55DX UR9QQ	45 JA6WJL K4TXJ	32 DM2RM N3LRH SM6WET ZL3TE
76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	68 AA4S EH7CD K6CF KJ7TEA KW4OV	58 HB9BIN KC6NBI SV8CS WA2MUA	44 WO3T XE2YWH/1	31 K7TM
75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL W4LVH W5UC WP4NEG ZL3AAU	67 JG2TSL W7YED	57 IK1ZOF JL1UXH JL3MCM N5LJL WD5GRW	43 8P6SH CT1EEN HB9RUZ K4ZIN	30 E72X JL3LSF JO7WXN LA6OP WA6DNR
74 AK8B CX4AAJ KF2TI LU4FPZ VE6SO VK4CZ WC6DX	66 K6KLY KK4YEL	56 KI5WA LU8ADX NI6T	41 N6PAZ	29 HL2WA OE4VIE SP5APW
73 G4FKA JF1IRW SV1RK VP2MJD W4WT	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	55 LA3MHA WA2EMF	40 E75AA JF1LMB JR0QFA WB8TGY	28 CT8/K0RUI JA6CRP K0FMI OH3DP
72 N4II PV8ADI	64 K3BQ WD5GRW (EM13QO)	54 AG4KI	39 AA5PK YL2JZ	27 E70A KC9ELU WP4NIX
	63 EA1DR KB0RFY	53 K0BBC PP1CZ	38 DD3KF DU1EV K8YSE VK5PJ	26 DS4AOW WB7QXU
	62 HB9ALO HL2EIZ IZ8EDJ	51 CT1ETE N8OFS OH4UI VE9FCP	37 BA7NQ HA5PT JA9APS JH9DRL	25 EA4/K1WE
		50 N8MR	36 JA1WSK	24 EI2JD F1RAF F4BDG KS4YX ON6AB PA7TWO
		48 G8BQX HL2IFR	35 GI4OWA LU9DO UR5WA	

23 GM4ILS HB9G K4SLC KP4EIT W8MK	14 EA8MT HB9FMN JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	KD3UY S51NM	JG1JPE JH7IMX JH7IPR JK6DXD UT5EL VK4ZP XE1SAX	JA9FAI JH3MHI JP1HDK K4KZM K7LY KEN IN NEBRASKA LA2CQ OH3KAV SV1XV SV3FUO YB2DX YL2KF
22 9H1SP IZ3ENH OE3SGU	13 JE2UFF K4WY PY2MC W4PWF	8 DK2LO JA1CPU JE3PCP JJ2NWI N8RO OH8LXT	3 DF1ZN DJ5AV DL2KQ EA1AR EA4D G3LHJ GM4CFS HA9PP HL2ZN IK0WRB IK8EPC IW3GJF JI1CHH JM1GHT JN1BPM JR6IQI KC0Y PY5IP SA7CJO SV1VN W1CBY WD9EWK (DM43) YB1TJ YL2CA YL2MU	1 3A2MW 9A2EY BD4UJ CT1AHU DH8BQA DJ3ZF DL2DCX DL4ZAB DS5TOS EA3WD EA4GQS F1VEV G4VSS G6MXL G7SQS G8TTI IK5BSC IW0AFS IZ0BTV IZ2CSX IZ3DBA IZ5FSA JA1GZK JA7DPC JA7VXB JH8XVT JI1HNC JJ1PFC JL2ULM JN3ONX KC3KJQ KG4JSZ KH6WI KP4DER MM0INH OK1UU ON6NA OZ1IKY PU5SVE SM3GBA SM6LPG SQ5NRY UN8G
21 EA1YN	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	7 DH0GSU G8APB HB9GWJ IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX		
20 CX1FK HL4CJG I1FQH JM1KVV N1WC PY5EW W8LR	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHJ PY2DV PY2GM SP5XMU	6 CT2FEY DL1TRK DU0A EI2JC JA7NGE PY2VA		
19 DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	10 DL4CF HB9BOS JI2UDK PA5KT SV2DCD TF3Y UR7DWW	5 DL5LH EA1AAA EA7ZY IK8GYS JI5USJ JJ1IDW KB8VAO M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ		
18 AJ6V HL4GAV KJ4EU W0HBH	9 DL7BA EB1EWE EC7ZK G6BFP IK3ITB JA1MZL JA2FGL JE1LFX	4 CT7/RC2A EK/RX3DPK F1DFR GM4KHE IV3GOW		
17 G3LZQ PY2XAT W0JM			2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF3VG DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL IK1IYU IK2GOQ IZ8XQC JA6AVT JA6SZV	
16 N6VHF SV8CKM TI2CDA				
15 9K2BM EI2GLB HB9HIT LU5FF PY2RN UT3UA WC2C				

UR5EDX
VR2VGM
WB7VUF
YO8WW