

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 (30 Oct 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	474	461
AA0MZ	W5AJ	AD6D	K7KQA	N4JQQ
AA5AM	W5EME	K7BG	W6XK	NA9RB
AA5C	W5FF	KM0T		
AA7A	W5KI		473	460
AI5I	W5OZI	483	N4TB	K4SO
K0GU	W7GJ	AC0RA	NQ7R	
K1TOL	W7JW	K1USA	WB0O	459
K4PI	W7KNT	W0VTT		N5NA
K4XO	W7MEM	W5TRL	472	XE2K
K5RK	W9FF		AI1K	
K5UR	W9JN	482	KB7ME	458
K5WE	W9RM	KX4R	WD8JJA	K9NW
K7CW	W9XX		WE9R	KG5THG
K7ULS	WD5K	481		N9BCA
K8SIX	WQ5S	W9VHF	471	
K9CT	WS9V	WA7HQD	ND4X	457
KA9CFD				NI0G
KA9FOX	487	480	470	W3UR
KD5M	K0SIX	K5GZR	WO7R	
KG5CCI	K1TO	N4WW		456
KM0A	K7MAC	WB0ULX	468	N4QS
KO9A	K9YY	XE2OR	VE3EK	N9PGG
KR7O	N0AKC			W5THT
KV5W	N7CW	479	467	
N0LL	N7IR	N5WS	N5EKO	453
N0LWF	N9ISN	W5WVO		K4YMQ
N0PB	NA6L		466	KB9DAK
N0TB	W3IP	478	KA0JGH	W5XC
N1AV		AD1C	KB6NAN	
N3SL	486	AE5B	WB9CIF	452
N3XX	K5ND	AF5CC	WX7M	N5BO
N5DG	KY7M			N9BX
N5OMG	N0KE	477	465	NE1B
N6JV	N7KA	K0BJ	NY0V	
N7NW	WD5COV	KC7V		451
N9LB	XE2CQ	N7ZO	464	K5WBM
N9UM		NC6K	KB9OWD	
ND0B	485	W9RN		450
W0FY	K0TPP		463	AJ4F
W0JW	K9MU	476	K4MY	
W0LGQ	N0POH	KC7QY		449
W3CP	W5VY		462	KF6HI
W4UDH	W5ZN	475	K6ZH	W8TN
W5ADD		N5KO	N6ORB	

448 W3LPL	N9FN W3TC WB8ART	423 AJ4A W4DR	407 W4AS W5CIA W5PR	KT8O
447 AH0U K3SX K4HB KS7S N4SC	435 KF6A	422 VE6WQ WB5JID	406 AK3E K6FG K8EB N4UFO	393 K1GG K7XC W4TV
446 K1HTV K6EID WB7CJO	434 K1SIX K8ROX KF0M	420 VE3LYC		392 AF4HX W6OMF
445 K4XP K7PI KU7Z N8OC	433 NA6MG NM5U W3LL W9WO	419 K7NN W0GN W5AL	405 AA4SC K3FRK K5CKS NE9U W0MU	391 AD5A N1EVK W4AVY
444 N7BAV	432 K6G XO N6KK	417 NJ6D	404 N2ZX VE4EAR	389 AB4SF
443 AB4IQ N4MM WB8ZBT XE2X	431 K0TLM	416 K4RWP K7ND KO4MA	403 AA1ON NH6T/W4	388 K0IP W4WRL
442 KP4AJ N2QT	430 K1TEO KF8MY N5TJ	415 K5OMC K7AWB W0GJ WW1L	402 K3FM K7SMA	387 KV4T N4CH
441 K8TB K9KLD KD3CQ	429 WA5JCI	414 K0DEQ N0GZ	401 K4CKS	386 N7IJ NN4R W5TFW W7AH WE4S
440 AG9S N4TL W2IRT WA1EAZ	428 K5RT K9APW N2NL	413 AE5FM WA9LFO	400 W0JRP W0RH W3UUM	385 NK1K VE6MB W4WTA
439 K8ZM WA9DU	427 N4LR	412 VE2XK 6M FN07PJN8IEZ	398 W1NG	384 K8ROK W7FI
438 K9MK	426 K4ZOT K8ZR N5OK W5JAY	411 N9EAT	397 K8JH	382 K5PI VE3YXO
437 KK4MA	425 K6ML	410 K5XI KE7SW KE8KMX KI8G N4HN	396 K6VHF KB8U	381 AG4W W3VZ
436 N4QWZ	424 N4UFP N9AKR W3EP WB8BPU	409 N5SYV	395 AA5XE K0AZ KF7CQ	380 K7MCX NE6I WA5LFD
		408 W7BA	394 AA5JF K2TER	

379 AB9BH KI0E KZ2I N8WNA W6TMD	367 AA4ZZ KC4HW KR4BD W7Yaq	352 KF9UG NZ3M VE3DS W0KKK W1DYJ WA9PWP XE2ML	338 NA5Z VE3SXE WA5KBH	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 WB4EVH	351 AA4FL K5DTC		329 AA1QD N2JJ N8HRZ W2OR W8WG W9DCT W9XA 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	346 W8LMG	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX N3PS W9GKA WA7PDC	328 K6ME N5PT W2CNS WB3LHD
374 KV7K N6GP N7DB	362 W1JR WA5OLT	345 KB1EFS VE7BV W3XY XE2YWH		327 KJ5RC N0YO W2JU
373 K4SSO NY1V	361 K8BL K9NR N1KDO N7MB N8KOL NG4C NI0P	344 AC9DX K6FW KB0PE N9XG W1OW	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	326 K2ZD K6LMN K6TDI NG7M W7JLC WF7T
372 JA7QVI W5MO	360 AA4FF K6UM (CN85)	343 AB4EJ K5EK N3RC W2HRO		325 WA2AEY
371 WA6BYA	358 K5RLA K6EME KG8P NK0S	341 KD7DCR NX7U WA7YAZ	333 KM4HI KN4NN N0IGZ N6KZ W3GQ	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY
370 K5TN KN4SM KS4YT N3MK NT0V	357 K4LVV	340 KE4TH N0AN N8LRG	332 AA7UN N4JDB N7KDT VA3IKE VE1JBC W9GM	323 N8II W8KEN WO2T
369 KF8UN N2DPF	355 KD5XB	339 KE4BKL VA7FC W5VAS	331 K1GJQ K8WDA	322 AA8SW
368 K0DD KB0V W5RCI W6GMT	353 AF2K K0CS			

VA6SZ	310 N1NK NJ7G W9KVR WO4DX	KB6VFC N1RR WA2BAH WX0Z WX2S	290 JE1BMJ WA8EFK	280 N0KV NM5Z W1FKF
321 NC7B NS4C W9VA	309 AA4LR	299 DK8NE N9JR VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA N7RO NQ7G W4LTJ	279 AA8MA N3JPU W0VHF (EL87) W8GJ XE1FAS
320 N4DW	308 WA4HFN	298 AG1A KD4WSC N4IQ	288 K1NU N6AR W1DU W4HLR W7YA	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N
319 N7US W4ER	307 KE5K W3ATV W9RPM	297 KE8Y N8YQX N9LF	287 K8DP KC7MRQ N8CGY WA4NVM	277 AC7JM NS4T PV8DX
318 N3ALN W4HY	306 K1ST K4QE K6RO N0LD WB0OQV WV9L	296 K4XR K6YUI KC7RW	285 K5CZD K9UO XE1YY	276 K2CS K5TWJ K7TAB W9OO
317 KA8SYV W1SKU W3HDH	305 K3VAT K6UM (CM88) KF2T KT1J WA9M	295 JG1TSG KE4P N7NT	284 AB0RX K0KP K4DET KX7L NJ2F (EL96)	275 K1MAA K2NJ N4GG W0FK
316 K3FN KA0ABA W4UCK W9BWR	304 K6IPF WA0GUD	294 K6JSV	283 K2BLA WA0FQK WB0CQO	274 KB1DMX WA8MCD
315 K5VH NY2NY XE1AO	303 EA8DBM K8TGC K8TL N7LAN	293 K2UU K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K0CAO K0PG K5TA N8JCM W4WM	273 KM4H KV1J VE6SH
314 KU4XO VE3XN	302 KB2TGU N3KN	292 KJ6P W1SSN	281 JR1LZK K4OY NL7CO W2YE	272 KF8QL KO4PRE N4SV
313 K0TC N2ZZ N6NR N7UVH NF4A W4GLV W5RKN	301 N0HJZ W7IB W9OBG WA8ZID WB0TVY	291 KS4S W1WHL W2CCC		271 K7NII KB7FUV KM3V W3HHN
312 AF6O KA2GOJ	300 AA4V K0PHP K0SRL			
311 AC9S KM3T KS4XQ W2BZY W5DB				

270 K4SPD KC9FQD KV7N N2LIV W4QK W5DNT W7JY WZ9B	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 VO1GO WB6RJH WT2P WZ9W
268 K6OJ N9ZTS W0KAN	260 K6JAD N6HC NT7C W3SW 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 WB8EJN	258 K2HAT NA2NY VE3MSC WB7ECS	250 AA9LC K5KEW KL0S NW6R	241 N6NU W5LO	232 K5FO N0FJP N9NJY
265 N5KS W7CT	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB W0PPA WA2HFI/O	249 CT1IUA K7LOL K8AO KQ5U N1GC W2LV	240 AB5GU KG5EIU K10HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	231 AI9L K4MIJ K5VR K6HEW KF6GYM W9XT
264 AC8L K4JAF N0TK NF1O	256 N8ZJN	248 K1ZZ W6VFA	239 K9MQ KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	230 K1ZE KO4MM VA3XJ WB0WAO/8
263 AK4PR K9AAA WB7QBS	255 JM1IGJ K8MVZ KG4JPL NI3K W0NOZ WA8KNE	247 W3TEF	238 AA3GM JP1LRT MD0CCE	229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX
262 K3CWH KD8JSP		246 JA1UAV K0DAS K8YC KK8X N5TIT VE6TA (DO33) W4FRA WI7P	237 K3KO	

228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	N4ION N5UWY W4IFI W5JMW	JF8QNF JR3REX KF7NN N1SV N2OA	204 WA3DRC	W3TW W5CTV
227 JM1SZY K3HPA K8ZT K9TF KS9A W4KXY W5LUA XE1GLL	220 K7BTW N7XCZ	211 K9FOH NE8S VE3SMA W2ZDP W5HNN 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	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	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 W8AKS WN6W	218 K1XH K4IJQ K5HPT KB8KVJ KC0VDY NA5C	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 PV8AZ	217 ND4V W4DEE	208 AI2N CO8DM KD5HIO PV8ABC	200 4A2MAX K4YJ N5AO N9AG VA3VU W1AW	193 K7PT K9AB
223 K7UA NJ7A	216 K7RB N0IS N6PM NE1F W4HFZ W5RWF WA2OTC	207 N1BCL N8NJA	199 N3KFV W4OEP WB0YEA	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN
222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	215 AL7OC K2SX KI5FJ N2YU N6KW	206 AB0CT AK4Y CT3MD K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	198 AC8TO JR2HCB N0UK N7EPD NX0I W8DM WA7KYM	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD
221 K5WMH K6CQR N0PSJ	214 KB9PJL VE3SYK WA7AJ	205 AF4OD K8SD KE4HOA N5ITO W8QID	197 K3EGE N4BAF	190 K5DB K5ER KC2DLD KK8MM N5SMQ N9UA W1ATV

W2OO	NZ1I	176	WK3V	162
WB0DBS	XE1CL	AD5ZA		AF4GK
189	181	EA5BY	169	K0QB
KC0MEA	AB9FN	K0DI	K6XC	KA1R
WA5VKS	K4CMS	KX9X	KD5OMJ	KD4TDI
188	K5HDE	N5QGH	N2BEG	N5SIX
AD7KI	KB8YKR	NP4BM	N5XES	W9JJB
KD4HLG	N3XJX	W5AFD	N7PHY	W9VS
W4AZR	N4DTF	WA5IPS	NY4I	WA1Z
WA7VHF	N9MSG	WW2R	VE3HHT	WB0WAO
WU9Q	NY0A		W8KNO	
WX9M	W4RBO	175		161
	W9BS	PV8BR		K4EA
	WJ1B		168	KB3CWQ
187	180	174	KG5ZMQ	N2YBB
AA8R	K0OST	K3MD	W2PD	V44KAI
KD3HN	K4LYN	K6WRL	W8WEJ	VE3LC
KQ0J	KC1MMC	KC6ZWT		W4HOG
186	N1RK	KG7P	167	
DJ5FI	N6PEQ	KU0A	K4MQG	160
K6ZZ	N6VH	N1MGO	KB1YNT	AB1QB
K8PT	W5HI	NA2NY (ex-NA1VT)	KE5EP	JA1AFR
K9SG		NA6O	N0NHW	K5IQ
KN4PPD	179	W3SO	NO0T	
KN7K	K1EP	WA2PNI	TG9ADQ	159
N0XLR	KU4WD		W1BAT	G0OIL
N6ZE	N0LIE	173		K4MZ
185	N0MMA	K2ZZ	166	NS7B
AD6W	NH7RO	K5YPV	JA1OVD	W1EME
KD5BQT	VA3DPB	KE4SCY	KC2GHT	W4TTO
KU4UC	W8LHP		N5VU	WB8NUT
NA2R	WA4QMQ	172	NC4RY	
PY5CC		AB9KZ	VA3WEB	158
W3OU	178	K5ZED	WB4KXS	I0WTD
W5BPT	KA2AYR	KI4PKW		K8CR
	KB0EO	KJ6HI	165	KI0D
184	KB1RZA	VE2PN	K4DXT	N2CG
4O3A	KG5RJ	W4ABC	KD5HPT	
AF5Q	N1ZUK		N1JFU	157
K0DEW	NQ2O	171	W0RIC	K4FX
KR4M	VE3NRT	AA4PB		KB8GC
N1IBM	W0ZY	HP2AT	164	KC2WUF
N4BG	W1MAD	KC5GSK	K2SD	WA7NB
183	W9JJ	KC5YCH	K5VWW	
K5RQ	WY7FD	KI4TZ	KD0UHN	156
N0UBL		NS3L	KF9US	K2KJ
W2UDT	177	W1PX	W4CSW	K9OHI
	AG4ZE	WA2KBZ	WK7G	N3RN
182	K2QQ		WQ7F	N9KO
AJ6T CM87	KI4BWW	170		VE7VDX
FP/KV1J	SM7FJE	K9TVG	163	
K5GMX	W5ZG	N4GBK	K2JF	155
K8WK	WA8UEG	N8CN	K2YSY	AE4M
		NA2U	N3FX	CT1BWU
		W1MJC	N5XZ	K3TD
		W4IHI		K6XN
		W4JKC		N7AU

N9OBE TG9ANF VA3NQ WV8DX	KB2YSI N0TM N5ZBI W6VNQ (CM88) WB6RAB	142 N2ZA N5RMS NA2X NC4VA PV8AJ W5SWV WA5TKU WS4V	KE8RO KQ4KX N3XH	132 AB3CV IC8TEM K5VG KW4G N4PPH N7TP N8IK NE1I VE3TM WN6K
154 AE4NT KB9VMW KD2NF W3ZQN	147 AF6AV IZ1LBG K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	141 K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WR7AY	137 N1SZ N5JGK SM7AED	
153 AA4NC AB4GG K7AD K7ZD N1OFZ N2ADV N6DHz W3DQS W5FI W9ILY WB5ZAM	146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	140 AC5DK BA4SI CO2WF K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VE3KY W4TUN W6DQ WA4KXY	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS	131 JR1BAS K3NAT KG9R N2CJ
152 AA6I N0RC N1NUM N2WM NU1T UT7QF W6IA WO4G	145 KD7YZ V31MD VA3TTX WA4JA		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 KO0Z 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			133 KA5ETS KC1RET KE1VT KM8V W0RT W4GE WI5D WW7Q XE2O	128 JR2LJO KC7QAG KJ6SDF KN4DMN N1SFE W0WT W5ZO W8FR WB2WEO
149 AB6CF K4SAN KK9H W3UA WB4VHF	143 K0KVR K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	138 AC0XY AI6O JA6RJK KD7WPJ KE0A KE3D		
148 AC0DQ AG0A K0RU K7IU				

127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N6UTC NO8D VE2JWH W1FLD WA6BIL	W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX	N4UPX W0QC W4SW W5DM W7QQ WI4T WM9M	114 AC8HU K2RET K3RTU K9AAN KC4GCK KG9Z NF8M VE1WOW VE3IRR W2JLK W2ZQ W4ALF W4UFO WO2C WX4US	K7LD KD5J KI0F KP4JRS KQ4LA KX5U N5TIF N5YM W7JET W7UP
126 KJ7G N0BDS N7DGI WB4HUC YL2AO	122 K7AED K7OGW KA9JAC KB4UF KB5WFE KC5UGX N5HYV VE6PY VE7JAC WD0GTy	118 J68AS K4AZV KA4LBD KF6MXK KI7BP KT8X KW4BY N1QDQ N3JNX N5EIL TF3JB W2AC / WB2ABK W2AC/WB2ABK WB2KSK	113 AB4PM AD5MD K3DQB KD4BPZ KD6VCD KM5OL N3JDQ N4YCI N5YK W0BM W8MSP W8VW WD0ENC	109 AK6ZZ G4BWP IW1ARB K2DSW K2JGL K2OO K5DNL K9GY KE6GLA KJ6CA KZ7N N8TMW N9TTX VE3AAQ W0YJT W1OP W4ZRZ W5MPC/1 W7RJR WB6YIY WB9W
125 AA7DK K3PU KC5DRI W2AJM W3UQH W4DFU WA6POZ WB4OMM WE1P	121 AE1P K0MFI K4HBI KB2WAL KB5MH KE4JFS NE0P/9 UR0MC W8DN WB9TFH	117 AB5J K4WS N4USG N5JEH* N5LPT NA7L NU6V W6WE WA1TBV XE2PXN	112 K2MLS K3GD K5WTA KA7T N5HMH W1TR W5DQ W6OAT W7IV W9PN WA8TWM WG3K WX3P XE1GK	108 CF3VRQ HB9BZA JA9IPF JP7EIP K5OPB N3MWQ N5DD VE3SUB VE7IG VY2RU W4AMP W4CRN W5AAJ W8EH W9VNE XE1R
124 K0DLW KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N9AZZ PV8AAS W0PE W1TAM W6SCQ W7YM W9CDL	120 EA1YO K2CYE K4CGY KD0R KD4MZM KD5BRF KE4SCY (FM06) N3YPJ VE1JC VE3XK WA6RAY WD4OHD	116 IK7EOT K4RGN KI6QDH KU5B N0VR NO0B W0DHB		
123 AC7AF K9SM KB0GT KB0STN KG6DHQ VE3TG W1HS W3SE	119 AE5AU K0AWU K1ZN K2SQS K4MSG K7JIZ KF7PCL KP3V KT0P KW7N	115 K9MMS KE6TVM KF0QS KF9AF KM5FA N7VGO UW5ZM VK9DX WA3BZT WC7V	111 N0SLT PC3T W8GBH WZ8P	107 JA3EGE K5UIC KF7PG KI9A

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
106	KO4LZ	KR5V	KF0Q	WB5NHX
K0MEI	N0STP	N1HOQ	KG5X	WB7VVD
K5BJW	N1LDY	VE7ZD	KJ5OA	WK5X
K7BWH	N2FBQ	W4RVZ	N3TBB	WW2R (EL09)
K7JE	N3UPS	W5DPT	N4NIA	
KB0TIJ	N7AGF	W5OV	N5RZK	98
KC7ICM	NJ1H	W7UT	N5XTR	AC2RL
KE5JXC	VE2PIJ	W9NFL	N7EME	AD8Y
KJ6MBW	W1TE	WA8EQP	N8COP	K0KC
KK2DOG	W1ZE	WB5FDP	N8XS	K0UD
N0RQ	W4KVS	101	VP2MRM	K3IXD
N1USB	W6ZQ	AE7V	W2CH	K3QIA
N2IPH	W9EBK	K0IN	W4/KL7GLL	K4OP
N4CE	W9MDB	K0SBV	W4OZK	K5HOB
N5FPW	WB2VUO	K0WJ	W8BZY	KA1EKR
N5YHF	WB8BZK/VE3	K2NUD	W9DQ	KE4LGL
N8HM	WL7OU	K5DWI	WA5TLP	KG4YOU
N9XMU	103	K5HX	WV9E	KG7E
VA3OKG	AA5CK	K7SYS	99	KJ2G
VE3AJY	AB0YM	KB1JDX	AB0SD	KK0CQ
WB6VYH	AB5SS	KB4KBS	AB3TM	KY0Q
WQ9F	K2OY	KC6AWX	K0YO	N0JJQ
105	K4MVL	KC8CSD	K4KEW	N1JHJ
AC4Q	K6USY	KG8WB	K4WQ	N3LRP
DS4EOI	K8ZEE	KG9IL	K4ZO	N5TEY
K4SJA	KA1W	KL2R	K5VPQ	N8AID
K9MAL	KB0FHP	KR4WM	K7DD	NO5X
KB3JGS	KB2SGX	KR7LD	K7PAP	NO8R
KC0JYT	KC9FFV	N1IX	K9ZZE	VA3VF
KC4KK	KF0AIJ	N4AOE	KA0ZEE	W2KRP
KF4DGS	KF4DVG	N8VEA	KC2IEB	W6TE
KJ7TH	KR4NO	N9DVS	KC6X	WA2FGK
N4NQY	N0YXE	ON9CMR/W0	KD4MWO	WA3TLT
N5SAN	N1JIF	VA2LGQ	KD6RUH	WB1GQR
N7YY	NF6P	W4LLP	KG9AP	WB2YDS
NE9O	NN2D	W5KBD	KR4UA	WD0E
PU4JOE	VE7DXG	W7ISG	M5MYH	WH6LR
VE3VRQ	W0TF	WB8IMY	N4FV	WT5H
W8MIL	W3LEO	WD5IYT	N5OHL	WV5Y
W9RVG	W6IT	100	N7HRT	97
WA4MYO	W6XU	AC0FT	N7JPF	AB8M
104	102	AI2S	N7TE	AJ9C
AB9YC	AA9MY	AI9U	N8GHZ	K0HB
AC5K	AB8JH	K2UA	N8YV	K0JQZ
AC5RN	AD6KH	K4UQC	N9MKC	K0QEI
AC9QR	K0HAQ	K5GM	NB5R	K0SH
IK4DRY	K3HW	K5KV	NH6CJ	K0YQ
	K9AM	K8IJ	NI5W	K3HZO (FN20)
			NS2P	K4GTR

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	KC0AUY	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
KT5RR	WA3I	W5ODD	WA5ICA	KI5BLU
N0WVU	WA4WR	W5PUF	WB5CON	KM7N
N2LID	WB2SIH	W7NX		KM9I

KQ6K	AG2AA	N2MKT	VA3MDB	N6KTH
N3PPH	AG7NR	N2ZN	VA7LM	SV2AEL
N3WCM	G4NBS	N4CAG	VE7IRU	TG9AKH
N6DW	JQ1TIV	N4GN	W8IW	W7USB
N7CZ	K4BMM	N4KIN	WA1PMA	WD6T
N8DEZ	K5CX	N4UC	WB4GCS	WD9IOK
NR4J	K5JAZ	N5VBK	XE2AU	W16Z
NU4N	KA0MWA	NS3X		XE1MM
OE9KFV	KF4TVL	NT4TN	85	
VA2BBW	KI0G	VE2VLJ	EI3IO	82
W2SUB	KI4FW	W2BZR	K1UU	AD4IE
W4MLN	KI4US	W3YX	K4LRP	CB0ZA
W5KDA	KR4U	W4DL	KB3MXK	K3RJK
WB0NRV	KT3X	W4RXR	KC0V	K4JMX
WB7X	N2GZ	W7HDD	KE4DRF	KA5WSS
WC4V	N5KAE	WA2BTR	KK4AND	KC5YKX
XE1GZU	N8YSZ	WA5MD	N2RJ	KG4KVZ
	N9RG	WK3N	N4LS	N1SF
90	N9UDX	WV8O	NJ1Q	PU8TEP
AA0LM	NE2U	XE1SOV	VE3GFN	W5DAS
AB4WL	VE3VCF		VE7DAY	W7YOZ
AB9DU	W0HRO	87	W1WV	W8GG
AF5BG	W1HY	AC0A	W3STU	WA2ONG
DL1SMA	W2JEK	AG4I	W4IT	
JH4JNG	W2OK	K4JC	W4RA	81
K1HC	W4ZMM	K5UZ	W6ST	AB4I
K1KA	W6VNZ	K5WO	W7SIR	DF3CB
K3CWF	W9HT	K6UIP	W8DQ	KE4DZU
K3UAL	WA7SDI	KB1VUN	W9QY	N6MM
K4AAP	WB3IAL	KC8NAH	WA4WKL	N7NEV
K4FTP	WM6Y	KE6WOX	WD4LSS	NI4Y
K4XZ	WQ5C	KI6RRD	WF4R	W3MC
K8EAB	WR5AY	N0ELA		WA4ZXV
KA5TJI	XE2NL	N2CJN	84	WA8ZNC
KB5FHK	XE3DX	NA5DX	CT3FT	XE1EE
KB7BSA		NE5S	K4EZY	
KK4DZP	88	NI5F	KE6NDG	80
KW3DX	AA4QE	NN7RM	N1KI	AC6BW
N2ULL	AE0DX	W8GOC	N2NWS	K7FR
N4BRF	AE4OF	WB3IGR	VE2WBK	KE4PT
N5BA	AF4MI	WB8JAY	W8PU	KR4Q
N9JJ	K1RS	WF4W	W8SGR	KW1DX
VA3XOV	K3TN	XE1RBV	ZS6NK	N2NS
W9CPV	K4XD			VY2HF
W9CSY	K7CTV	86	83	W5TTY
W9HBH	K7WV	AG1T	AA6E	W6TCP
WA2BEV	K7ZYV	K7FB	AC9GK	W7AM
WA8OJR	K9JF	KA9OKH	DL5XJ	
WD9HCF	KB2KIR	KB7JJG	K1LH	79
WE7H	KC1GWX	KI6HQT	K4SQC	K4RW
WEST SEATTLE AMATEUR	KE8UM	KN4MMH	K6JJ	K5JBT
WH6LE	KI2D	KP4TB	K8SIA	KB4DSL
WT4C	KI4RFM	KT1R	KB3HHA	KP4N
XE3/K5ENS	KJ4KW	N2NF	KB9LIE	N2COP
	N0OK	N3MVF	KC1UYZ	N5YJZ
89	N1CEO	N8TFD	KK7BV	N9RC
AB1TZ		NZ3O	KU4WW	VE3CFK

W2GW W2SKI WN0L	K5WPN NP4TT W2YR W3FGP WC5M	61 CU3AN K4MLB N0GVK US5WE UX1UA	NP3IR YL3HA	34 G4SEU LA2QM
78 K2QPN SP5QWB TG9AWS W4NE	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	60 IZ4DPV KP4JFR S55DX UR9QQ	47 HB9RYZ JE1VTZ	33 W8GC WB4SON WB8TGY (EN72)
77 K1IFJ MI0AYR		58 HB9BIN KC6NBI SV8CS WA2MUA	46 LU2DX	32 DM2RM N3LRH SM6WET ZL3TE
76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	69 K3WGR W1YM WD4LBR		45 JA6WJL K4TXJ	31 K7TM
75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL W4LVH W5UC WP4NEG ZL3AAU	68 AA4S EH7CD K6CF KJ7TEA KW4OV	57 IK1ZOF JL1UXH N5LJL WD5GRW	44 WO3T XE2YWH/1	30 E72X JL3LSF JO7WXN LA6OP WA6DNR
74 AK8B CX4AAJ KF2TI LU4FPZ VE6SO VK4CZ WC6DX	67 JG2TSL W7YED	56 KI5WA LU8ADX NI6T	43 8P6SH CT1EEN HB9RUZ K4ZIN	29 HL2WA OE4VIE SP5APW
73 G4FKA JF1IRW SV1RK VP2MJD W4WT	66 K6KLY KK4YEL	55 JL3MCM LA3MHA WA2EMF	41 N6PAZ	28 CT8/K0RUI JA6CRP K0FMI OH3DP
72 N4II PV8ADI	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	54 AG4KI	40 E75AA JF1LMB JR0QFA OH4UI WB8TGY	27 E70A KC9ELU WP4NIX
71 K0GW K4GK	64 K3BQ WD5GRW (EM13QO)	53 K0BBC PP1CZ	39 AA5PK YL2JZ	26 DS4AOW WB7QXU
	63 EA1DR KB0RFY	51 CT1ETE N8OFS VE9FCP	38 DD3KF DU1EV K8YSE VK5PJ	25 EA4/K1WE
	62 HB9ALO HL2EIZ IZ8EDJ K4DXA N6ZDH	50 N8MR	37 BA7NQ HA5PT JA9APS JH9DRL	24 EI2JD F1RAF F4BDG KS4YX ON6AB PA7TWO
		48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF	36 JA1WSK	
			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	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 UR5EDX
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	2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL IK1IYU IK2GOQ IZ8XQC JA6AVT JA6SZV JA9FAI	
18 AJ6V HL4GAV KJ4EU W0HBH				
17 G3LZQ PY2XAT W0JM				
16 N6VHF TI2CDA				
15 9K2BM EI2GLB HB9HIT LU5FF PY2RN SV8CKM UT3UA WC2C	9 DL7BA EB1EWE EC7ZK G6BFP IK3ITB JA1MZL JA2FGL JE1LFX	4 CT7/RC2A EK/RX3DPK F1DFR GM4KHE IV3GOW		

VR2VGM
WB7VUF
YO8WW