

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 (28 Jul 2026). 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	W3CP	485	NC6K	462
AA0MZ	W4UDH	K9MU	W6XK	K6ZH
AA5AM	W5ADD	N0POH		N6ORB
AA5C	W5AFY	W5TRL	474	W5THT
AA7A	W5AJ	W5VY	K7KQA	
A15I	W5EME			461
K0GU	W5FF	484	473	N4JQQ
K1TO	W5KI	AD6D	NQ7R	NA9RB
K1TOL	W5OZI	AF5CC	WB0O	
K4PI	W7GJ	A11K		460
K4XO	W7JW	N5WS	472	K5OMC
K5RK	W7KNT	WQ0P	KB7ME	KF0M
K5UR	W7MEM		ND4X	W3UR
K5WE	W9FF	483	WD8JJA	
K7CW	W9JN	AC0RA	WE9R	459
K7ULS	W9RM	K1USA		K5RT
K8SIX	W9XX	W0VTT	470	
K9CT	WD5K	WB0ULX	WO7R	458
KA9CFD	WQ5S			K9NW
KA9FOX	WS9V	482	469	KG5THG
KD5M		K0BJ	AJ4F	N9BCA
KG5CCI	487			NA6MG
KM0A	K0SIX	481	468	
KM0T	K0TPP	KC7QY	N5EKO	457
KO9A	K7MAC	N4WW	VE3EK	K4HB
KR7O	K9YY	W9VHF		N9PGG
KV5W	N0AKC	WA7HQD	467	NI0G
N0LL	N7CW		NY0V	
N0LWF	N7IR	480		456
N0PB	N9ISN	K5GZR	466	AJ4A
N0TB	NA6L	N4TB	K4MY	N4QS
N1AV	W3IP	XE2OR	K4SO	
N3SL	XE2CQ		KA0JGH	455
N3XX		479	KB6NAN	K9MK
N5DG	486	W5WVO	WB9CIF	WA9DU
N5NA	K5ND	W9RN	WX7M	
N5OMG	K7BG			453
N6JV	KX4R	478	465	K3SX
N7NW	KY7M	AD1C	XE2K	K4YMQ
N9LB	N0KE	AE5B		K7PI
N9UM	N7KA		464	KB9DAK
ND0B	W5ZN	477	KB9OWD	
W0FY	WD5COV	KC7V		452
W0JW		N5KO	463	N5BO
W0LGQ		N7ZO	W5XC	N9BX

NE1B	440 W2IRT	424 N4UFP N9AKR W3EP WB8BPU	409 N1EVK N5SYV	KI0E
451 K5WBM KD3CQ	439 K8ROX N4QWZ NM5U	423 W4DR	408 K7SMA W7BA	396 KB8U WA1NLG
450 K8ZM KF8MY	438 N5TJ	422 VE6WQ WB5JID	407 K8JH W4AS W5CIA W5PR	395 AA5XE K0AZ K5XM KF7CQ NP4EI/W7 WB4EVH
449 KF6HI N8OC W8TN WB7CJO	437 KK4MA W3LL	419 K7NN W0GN W5AL	406 AK3E K6FG K8EB N4UFO	394 AA5JF K6RO
448 KP4AJ W3LPL	436 N9FN W3TC WB8ART	418 NZ3M	405 AA4SC K3FRK K5CKS NE9U W0MU	393 K1GG K7XC KV7N WR7X
447 AH0U KS7S N2NL N4SC	435 KF6A	417 NJ6D	404 N2ZX VE4EAR W5SUM	392 AB4SF AF4HX W6OMF
446 K1HTV K6EID N8YO WB8ZBT	434 K1SIX VE3LYC	416 K4RWP K7ND KO4MA NI0P	403 K6VHF NH6T/W4	391 AD5A W4AVY W6TMD
445 K4XP KU7Z N4LR WA1EAZ	432 K6GXO N6KK	415 K7AWB W0GJ	402 K3FM	390 KZ2I W7FI
444 N7BAV W9WO	431 K0TLM	414 AA1ON K0DEQ N0GZ W4TV	401 K4CKS	389 W5MO
443 AB4IQ K5XI N4MM	430 K1TEO	413 AE5FM WA9LFO	400 K2TER KT8O	388 K0IP W4WRL
442 AG9S N2QT N4TL	429 K4ZOT K8ZR WA5JCI	412 VE2XK 6M FN07PJW0JRP W3UUM	399 NN4R	387 AC9DX KV4T N0FJP N4CH
441 K8TB K9KLD	428 K9APW	411 N9EAT	398 N8IEZ W1NG	386 KF9UG N7IJ W5TFW W7AH WE4S
	427 W0RH	410 KB0V KE7SW KE8KMX KI8G N4HN	397 KE4TH	
	426 N5OK W5JAY			
	425 K6ML WW1L			

385 K7XB NK1K VE6MB W4WTA	371 AA4ZZ N3PS NK0S WA6BYA	360 K6UM (CN85) W0NOZ	345 AA8SW VE7BV W3XY XE2YWH	K5FZ K9QVB KB4MRX KM3V KN4NN W4ER W9GKA WA7PDC
384 K8ROK N2WK	370 K5TN KN4SM KS4YT N3MK NT0V W4FC	358 K5RLA N8LRG	344 K6FW KB0PE W1OW	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC WB5TOI
382 K5PI VE3YXO	369 KF8UN N2DPF W8LMG	357 K4LVV	343 K5EK N3RC N6KZ N8HRZ	333 AA4LR K0TC KK0DX KM4HI N0IGZ W3GQ
381 AG4W W3VZ	368 K0DD W5RCI W6GMT	356 K7PT WA9PWP	341 KD7DCR NX7U WA7YAZ	332 AA7UN N4JDB N7KDT VA3IKE W9GM
380 K7MCX NE6I WA5LFD	367 KC4HW W7Yaq	355 KD5XB N3AIU (DM45)	340 N0AN	331 K1GJQ K8WDA KC0UDO N4MW W3TI
379 AB9BH N8WNA	366 KG8P KI7JA	354 NU6S	339 KE4BKL VA7FC W5VAS WB0OQV	330 KB8MBC KG6AY W8PI
378 AB4EJ KR4BD	365 K4JJW KG7CW	353 AF2K K0CS	338 N9JR NA5Z VE3SXE W9XA WA5KBH	329 AA1QD N2JJ W2OR W8WG W9DCT WB4KTF WX4G
377 AB1OC NT9E	364 AB5EB K0RAR K6EME N6QQ	352 VE3DS W0KKK W1DYJ XE2ML	337 K8ZES W9EWZ WA5RT WW0E	328 K6ME N5PT
376 K8GI K8VFV N3OC	363 W4NH	351 AA4FL	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3XN WO9S	
375 K6QG WB4OQX	362 W1JR WA5OLT	350 KB1EFS N6VI	335 AK0MR K0VG K5FUV	
374 K0TT KV7K N6GP N7DB NY1V	361 K8BL K9NR N1KDO N8KOL NG4C	349 KA0BAD		
373 K4SSO		348 N1JFU NJ7G		
372 JA7QVI		347 W2HRO		
		346 N9XG W8OP		

W2CNS W7IMC WB3LHD	318 W4HY	W3ATV W9RPM	297 KG5EIU N8YQX N9LF	287 K8DP KC7MRQ N8CGY W7CT WA4NVM
327 KJ5RC N0YO N2ZZ W2JU W7YA	317 KA8SYV W1SKU W3HDH	306 K4QE KE8Y WV9L	296 K4XR K6YUI KC7RW	285 AB0S K5CZD K9UO NS7K
326 K2ZD K5KEW K6LMN K6TDI NG7M W7JLC WF7T	316 K3FN KA0ABA W4UCK W9BWR	305 K3VAT K6UM (CM88) KT1J WA9M	295 KE4P N6AR N7NT XE1YY	284 AB0RX K0KP K4DET NJ2F (EL96)
325 WA2AEY WX0Z	315 K5VH NY2NY XE1AO	304 K6IPF NS4T WA0GUD	294 K2UU K6JSV	283 N5OHL WA0FQK WB0CQO
324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN	293 K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K5TA N8JCM W4WM
323 K1ST N8II W8KEN WO2T	313 JE1BMJ N6NR N7UVH NF4A W4GLV W5RKN	302 JG1TSG KB2TGU N3KN	292 KJ6P W1SSN	281 AA8MA JR1LZK K4OY NL7CO W2YE
322 K0CAO N3ALN VA6SZ	312 AF6O KA2GOJ	301 N0HJZ W7IB W9OBG WB0TVY	291 KS4S W1WHL W2CCC	280 N0KV NM5Z W1FKF
321 N0LD NC7B NS4C W9VA	311 AC9S DK8NE KM3T KS4XQ W2BZY W5DB	300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH WX2S	290 WA8EFK	279 N3JPU W0VHF (EL87) W8GJ XE1FAS
320 K7LOL N4DW	310 N1NK W9KVR WO4DX	299 KX7L VE6WK W1LE W8UV WB5GVY	289 K2BLA K4MM K9FA N5BCA N7RO NQ7G W3SW W4LTJ	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N
319 KF2T N7US	309 AA9RR WA8ZID	298 K0MLD K0PG KD4WSC N4IQ		
	308 WA4HFN			
	307 AG1A KE5K			

277 AC7JM PV8DX	268 K6OJ KI0HA N9ZTS W0KAN WB9PNU	N6HC NT7C W3DF XE1YD	252 AB5A CT1EEB K1ACL K3NK N9ATF NN4RR VE6NTT	VE3VHB W0VD WD4IXD
276 HC1BI K2CS K5TWJ K7TAB KD8JSP W9OO	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA		243 JA1QJI K3TC W4EJ YV1DIG
275 K1MAA K2NJ N4GG VE6TA (DO33) W0FK		258 AB5GU K1NJ K2HAT NA2NY WB7ECS	251 AD5JK K9QJ KG7NV NA5DX NN4SS W2LV	242 IT9IPQ K3WW KA3TCC VE3SMA
274 KB1DMX WA8MCD	266 K1OA K1WVX TG9AJR VE3MSC WB8EJN		250 AA9LC KS9J NW6R	241 N6NU W5LO
273 KM4H KV1J VE6SH	265 N5KS	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB W0PPA WA2HFI/0	249 CT1IUA K8AO KQ5U N1GC N5SMQ	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL
272 KF8QL KO4PRE N4SV	264 AC8L K4JAF N0TK NF1O	256 JM1IGJ KL7NW N8ZJN	248 K1ZZ W6VFA	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD
271 K7NII KB7FUV KL0S W3HHN	263 AK4PR K9AAA WB7QBS	255 K8MVZ KG4JPL W4HFZ WA8KNE	247 JA1UAV N5DD W3TEF	238 AA3GM JP1LRT
270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT W7JY WZ9B	262 K3CWH K5VR N4ST ND4DX WA0KBZ	254 KG9Z N4GBK N5SIX N7QOZ NR0Q VE3OTL WD5ITW	246 K0DAS K8YC KK8X N5TIT W4FRA WI7P	237 K3KO
269 K2IE K3ZO KD5R N5EPA N5WD VA2CY	261 AF2F K3TWK KB8UUZ N3EW W6TCP W9TA		245 AE4WG N1IA N3XF VA3CW	236 K0SU K4NK N3FTI N9ATD W5AJX
	260 K6JAD K9MQ N5PA	253 F4BKV KG4ERR N2XQM	244 K8DV N3AIU (FM08) N4JRY VA3ZV	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W

234 KE6FCT	226 AF5WN N7CNH N8UR NM5S W0VX W8RD WQ6Q	K5HPT KB8KVJ KC0VDY NA5C	N1TQ N6UK WQ9T	W9GFB W9VOB WA1KPD
233 K1AFC N9NJS VE7VZ W8PAT W9TD XE1L		217 ND4V W4DEE	209 AA4IB W5WGF WA4NFO XE2N	202 K1BZ K5GJR WC7X WF8Z WQ5W
232 K5FO KK8MM N9NJY WA2OTC	225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	216 K7RB N0IS N6PM NE1F W1AW W5RWF	208 AI2N CO8DM KD5HIO PV8ABC	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ
231 AI9L K4MIJ K6HEW KF6GYM W9XT	224 JA8ISU NJ8J	215 AL7OC K2SX KI5FJ N2YU N6KW	207 K6US N1BCL N8NJA	
230 JM1SZY K1ZE KO4MM VA3XJ WB0WAO/8	223 K7UA NJ7A	214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ	206 AB0CT AE4M AK4Y CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	200 4A2MAX K4YJ K5DB K6ZZ LU4FW N5AO N7PHY N9AG VA3VU
229 GD0TEP K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX W5LUA	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	213 K3DFL KI6X W0NBC		199 N3KFV W4OEP WB0YEA
	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	212 AB5C JF8QNF JR3REX K3EA KF7NN N1SV N2OA	205 AF4OD K8SD KE4HOA N5ITO W1MJC W8QID	198 AC8TO JR2HCB N0UK N7EPD W8DM WA7KYM
228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 K7BTW N7XCZ	211 K9FOH NE8S W2ZDP W5HNK W6AER W6KAP	204 K00Z LU2DX WA3DRC	197 K3EGE N4BAF W3TW W5CTV
227 K3HPA K8ZT K9TF KS9A W4KXY XE1GLL	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO	203 K0VSV K5HYT K5LOW N0HF N8SYF NX0I W1RM W3SZ	196 K0AIZ K0NR KD3HN N5DUW W2AMR
	218 K1XH K4IJQ			

XE2ED	KD4HLG	KB8YKR	N9ARX	N2BEG
XE2W	W4AZR	N3XJX	NP4BM	N5XES
	WA7VHF	N4DTF	W5AFD	VE3HHT
195	WU9Q	N9MSG	WA5IPS	W8KNO
AA4W	WX9M	NY0A	WW2R	
K2WJ	187	W4RBO		168
K6VDP	AA8R	W9BS	175	KG5ZMQ
KG6WIK	K0JDD	WJ1B	PV8BR	W2PD
	KC5N	180		W8WEJ
194	KQ0J	K0OST	174	
4O3A		K4LYN	K3MD	167
K2MRK	186	KC1MMC	K6WRL	K4MQG
N3FA	K8PT	N1RK	KC0IYT	KB1YNT
N9NFT	K9SG	N6PEQ	KC6ZWT	KB9REV
WF1H	KN7K	N6VH	KG7P	KE5EP
WK8A	N0XLR	W5HI	KU0A	N0NHW
	N6ZE		N1MGO	N8XE
193		179	NA2NY (ex-NA1VT)	NO0T
K9AB	185	K1EP	NA6O	TG9ADQ
KD2NF	AD6W	KU4WD	W3SO	W1BAT
KF6XA	KD5BQT	N0LIE	WA2PNI	
	KU4UC	N0MMA		166
192	NA2R	NH7RO	173	JA1OVD
N1LF	PY5CC	VA3DPB	K2ZZ	KC2GHT
N2NB	W3OU	W8LHP	K5YPV	N5VU
N3CAL	W5BPT	WA4QMQ	KE4SCY	NC4RY
N3NR	XE1R			VA3WEB
N4LXB		178	172	WB4KXS
N4TV	184	KA2AYR	AB9KZ	
W6MTR	AF5Q	KB0EO	K5ZED	165
W8FN	I0WTD	KB1RZA	KI4PKW	K4DXT
	K0DEW	KG5RJ	KJ6HI	KD5HPT
191	KR4M	N1ZUK	VE2PN	W0RIC
K0ITC	N1IBM	NQ2O	W4ABC	
K9CS	N3FX	VE3NRT		164
KK6OH	N4BG	W0ZY	171	K2SD
N9AMW		W1MAD	AA4PB	K5VWW
WA2BKN	183	WY7FD	HP2AT	KD0UHN
WA5CAM	K5RQ		KC5GSK	KF9US
WD4JHD	N0UBL	177	KC5YCH	W4CSW
	W2UDT	AG4ZE	KI4TZ	WK7G
190	WC4H	K2QQ	NS3L	WQ7F
K5ER		KI4BWW	W1PX	
KC2DLD	182	N2ZA	W6IA	163
KN4PPD	AJ6T CM87	NY4I	WA2KBZ	K2JF
N9UA	FP/KV1J	SM7FJE		K2YSY
W1ATV	K5GMX	W5ZG	170	N5XZ
W2OO	K8WK	WA8UEG	K9TVG	
W4GE	NZ1I		N8CN	162
WB0DBS	W9JJ	176	NA2U	AF4GK
	XE1CL	AD5ZA	W4IHI	K0QB
189		EA5BY	W4JKC	KA1R
KC0MEA	181	K0DI	WK3V	KD4TDI
WA5VKS	AB9FN	K6ZZ (EM78)		OE6IMD
	K4CMS	KX9X	169	W9JJB
188	K5HDE	N5QGH	K6XC	W9VS
AD7KI			KD5OMJ	WA1Z

WB0WAO	154 AE4NT KB9VMW KW4OV NZ6N W3ZQN	W5DM W6VNV (CM88) WB6RAB	142 NA2X NC4VA W5SWV WA5TKU WS4V	N3XH
161 K0KVR K4EA KB3CWQ KK9M N2YBB V44KAI VE3LC W4HOG WA1LAD	153 AA4NC AB4GG K7AD K7ZD N1OFZ N2ADV N2WM N6DHz W3DQS W5FI W9DHI W9ILY WB5ZAM	147 AF6AV IZ1LBG K6PSP KC1BUF N8IK VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	141 JA6RJK K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WR7AY	137 N1SZ N5JGK SM7AED
160 AB1QB JA1AFR K5IQ WL7OU	152 AA6I N0RC N1NUM NU1T UT7QF WO4G	146 AC0W HB9EFK K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	140 AC5DK BA4SI CO2WF K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VA3FLF VE3KY W4GPM W4TUN W6DQ WA4KXY	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS
159 AA6AA G0OIL K4MZ NS7B W1EME W4TTO WB8NUT	151 W1ZT W2DXE	145 KD7YZ V31MD VA3TTX WA4JA	139 KC7JPC KM2O KU0G N7T NA2AA TF3JB W4OV WB2JIL WY0V	135 CU3EQ K4MWB K8ZIZ LY3W N4DB W6BXQ WB8BZK WW2DX XE1H
158 K8CR KI0D N2CG	150 KW4BY N9LAH VE3OAT W7APM	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI YV4NN	138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX	134 AB1NS AB4GE AD4TT C6ABB GM4UYE KE5FXE KF6UFO N3AIU (DN70) N8GOU W4TKI WA3WZR
157 K4FX KB8GC KC2WUF WA7NB	149 AB6CF K4SAN KK9H W3UA WB4VHF	143 K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H		133 KA5ETS KC1RET KE1VT KM8V W0RT WI5D WW7Q XE2O
156 IZ8FFA K2KJ K9OHI N3RN N9KO VE7VDX	148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N1TOR N5ZBI PV8AJ			132 AB3CV IC8TEM
155 CT1BWU K3TD K6XN N5RMS N7AU N9OBE TG9ANF VA3NQ WV8DX				

K5VG KW4G N4PPH N7TP NE1I VE3TM WN6K	127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N6UTC VE2JWH W1FLD WA6BIL	W3SE W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX	KT0P KW7N N4UPX W0QC W4SW W7QQ WI4T WM9M	114 AC8HU K2RET K3RTU KC4GCK NF8M VE1WOW VE3IRR W2JLK W2ZQ W4ALF W4UFO W5DWA WO2C WX4US
131 JA3LZS JR1BAS K3NAT KG9R KT3X N2CJ	126 KJ7G N0BDS N7DGI WB4HUC YL2AO	122 K7AED K7OGW KA9JAC KB4UF KB5WFE KC5UGX N5HYV VE6PY VE7JAC WD0GTy	118 J68AS K4AZV KA4LBD KF6MXK KI7BP KT8X N1QDQ N3JNX N5EIL W2AC / WB2ABK W2AC/WB2ABK WB2KSK	113 AB4PM AD5MD HB9BZA K3DQB KD4BPZ KD6VCD KM5OL N3JDQ N4YCI N5YK W0BM W8MSP W8VW WD0ENC
130 AB0X K0GUR K4JKB K8LG KC4NX NG9R NO8D VE1DX VE2Tzt W0PHX W2LES W3FEY W4DWS WA2SEI WB4YDL WW5W	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	
129 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR	124 K0DLW KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N9AZZ PV8AAS W0PE W1TAM W3KN W6SCQ W7YM W9CDL	120 EA1YO K2CYE K4AU K4CGY KD0R KD4MzM KD5BRF KE4SCY (FM06) N3YPJ VE1JC VE3XK WA6RAY WD4OHD	116 IK7EOT K4RGN KI6QDH KU5B N0VR NO0B W0DHB	112 EA4DEI K2MLS K3GD K5WTA KA7T N5HMH W1TR W5DQ W6OAT W7IV W9PN WA8TWM WG3K WX3P XE1GK
128 JR2LJO KC7QAG KJ6SDF KN4DMN N1SFE W0WT W5ZO W8FR WB2WEO	123 AC7AF K9SM KB0GT KB0STN KG6DHQ VE3TG W1HS W3DIY	119 AE5AU K0AWU K1ZN K2SQS K4MSG K7JIZ KF7PCL KP3V	115 K9AAN K9MMS KE6TVM KF0QS KF9AF KM5FA N7VGO UW5ZM VK9DX WA3BZT WC7V	111 N0SLT PC3T W8GBH WZ8P
				110 G4BWP

K5KR	N9OI	KC1LXO	KC8DMN	KB9ZLB
K7LD	NF0T	KC2TR	KD8NYO	KC2HLI
KD5J	US0KW	KD9GKL	KE1AU	KC8CC
KI0F	W2TTT	KJ7OG	KJ4M	KC9CMT
KP4JRS	WB4PPW	KM6WXB	KR5V	KD3SW
KQ4LA		KO4LZ	N1HOQ	KE5CVM
KX5U	106	N0STP	VE7ZD	KF0Q
N5TIF	K0MEI	N1LDY	W4RVZ	KG5X
N5YM	K5BJW	N2FBQ	W5DPT	KJ5OA
W7JET	K7BWH	N3UPS	W5OV	N3TBB
W7UP	K7JE	N7AGF	W7UT	N4NIA
	KB0TIJ	NJ1H	W9NFL	N5RZK
109	KC7ICM	VE2PIJ	WA4IOB	N5XTR
AK6ZZ	KE5JXC	W1TE	WA8EQP	N7EME
IW1ARB	KJ6MBW	W1ZE	WB5FDP	N8COP
K2DSW	KK2DOG	W4KVS		N8XS
K2JGL	N0RQ	W6ZQ	101	VP2MRM
K2OO	N1USB	W9EBK	AE7V	W2CH
K5DNL	N2IPH	W9MDB	AI5WW	W4/KL7GLL
K9GY	N4CE	WB2VUO	K0IN	W4OZK
KE6GLA	N5FPW	WB8BZK/VE3	K0SBV	W8BZY
KJ6CA	N5YHF		K0WJ	W9DQ
KZ7N	N8HM	103	K2NUD	WA5TLP
N8TMW	N9XMU	AA5CK	K5DWI	WV9E
N9TTX	VA3OKG	AB0YM	K5HX	
VE3AAQ	VE3AJY	AB5SS	K7SYS	99
W0YJT	WB6VYH	K2OY	KB1JDX	AB0SD
W1OP	WQ9F	K4MVL	KB4KBS	AB3TM
W4ZRZ		K8ZEE	KC6AWX	K0YO
W5MPC/1	105	KA1W	KC8CSD	K4KEW
W7RJR	AC4Q	KB0FHP	KG8WB	K4WQ
WB6YIY	DS4EOI	KB2SGX	KG9IL	K4ZO
WB9W	K4SJA	KC9FFV	KL2R	K5VPQ
	K9MAL	KF0AIJ	KR4WM	K7DD
108	KB3JGS	KF4DVG	KR7LD	K7PAP
CF3VRQ	KC0JYT	KR4NO	N1IX	K9ZZE
JA9IPF	KC4KK	N0YXE	N4AOE	KA0ZEE
JP7EIP	KF4DGS	N1JIF	N8VEA	KC2IEB
K5OPB	KJ7TH	NF6P	N9DVS	KC6X
K7MDL	N4NQY	NN2D	ON9CMR/W0	KD4MWO
N3MWQ	N5SAN	VE7DXG	VA2LGQ	KD6RUH
VE3SUB	N7YY	W0TF	W4LLP	KG9AP
VE7IG	NE9O	W3LEO	W5KBD	KR4UA
VY2RU	PU4JOE	W6IT	W7ISG	M5MYH
W4AMP	VE3VRQ	W6XU	WB8IMY	N4FV
W4CRN	W8MIL	XE1RBV	WD5IYT	N7HRT
W5AAJ	W9RVG			N7JPF
W8EH	WA4MYO	102	100	N7TE
W9VNE		AA9MY	AC0FT	N8GHZ
	104	AB8JH	AI2S	N8YV
107	AB9YC	AD6KH	AI9U	N9MKC
JA3EGE	AC5K	K0HAQ	K2UA	NB5R
K5UIC	AC5RN	K3HW	K4UQC	NH6CJ
KF7PG	AC9QR	K9AM	K5GM	NI5W
KI9A	IK4DRY	KA3ZLS	K5KV	NS2P
KK4LUM	K5PPP	KB8CR	K8IJ	VE2HAY
N3TTT	KB9RNO	KC6WFS	K9CC	W2HOG

W2VU	KA2BSK	NT2A	WS4S	WT9U
W5JLC	KA7EII	NW5Q	XE2AT	WV7S
W6TJU	KC0YBM	NY2Z		
WA5TRX	KD5CKP	VE2DCP	94	93
WB5NHX	KF4KSN	W1HMM	AA4RP	AG2A
WB7VVD	KM4NYI	W3VHF	AB4VT	AG6CV
WK5X	KT5WB	W4KK	AD1DX	AI8F
WW2R (EL09)	N1VMJ	W4TMR	AK8CW	K0IW
	N3UMA	W7JHS	HK4SAN	K1PTF
98	N4BH	WA3EEC	K0ARM	K1ZK
AC2RL	N6MA	WB0M	K3BEE	K2AK
AD8Y	N9APK	WB5KJE	K3TUF	K2MTS
K0KC	N9IO	WP4LNY	K4JRK	K4DAM
K0UD	N9KY		K4LDC	K5TRI
K3IXD	NK7C	95	K4NNX	K6RM
K3QIA	NU0Y	AB9AI	K8GT	K7IP
K4OP	NV3K	AE0G	K9DOG	K7TRK
K5HOB	VA3FIN	AE5EO	K9SUL	KB0USF
KA1EKR	W3QT	IK8YTA	KA2F	KC5TGT
KE4LGL	W4CWA	K1PNQ	KA9UVY	KC5TT
KG4YOU	W4DAS	K4ED	KB4YKC	KC9TTR
KG7E	W4ID	K8BB	KB7AK	KC9UL
KJ2G	W7DN	K8KFJ	KC0AUY	KD0QG
KK0CQ	WA6OSX	K8ME	KC3AK	KE6AZX
KY0Q	WA9LEY	K8VD	KD4VRZ	KE6UMW
N0JJQ	WB8RVK	KD7WH	KE3WM	KE8RPJ
N1JHJ	WB8ZTV	KD8DR	KF0LA	KE9V
N3LRP	WE8L	KD9ZR	KG4NLZ	KI0J
N5TEY		KI0SK	KU4JZ	KK7MNC
N8AID	96	KW9U	KV3W	N2BX
NO5X	AD5OW	N1XK	N0LNE	N2YTF
NO8R	AE4TQ	N2SLO	N0LP	N3AO
VA3VF	AK4F	N2WLS	N2SU	N3ZBK
VE4XTZ	K2CK	N3WAV	N3JBH	N4GOA
W2KRP	K2UF	N4ET	N3XBG	N4YHC
W6TE	K2UNK	N5BLY	N3YUG	N7EGY
WA2FGK	K4EQH	N5ENU	N5ZMP	N7JI
WA3TLT	K5CRJ	N5KI	N6HY	N7KSI
WB1GQR	K8EMR	N9IV	N6MXU	NA9D
WB2YDS	K9OT	N9LJX	N7NH	VA3JFF
WD0E	KA2NDX	OE9KFV	N7UN	VA7QI
WH6LR	KA3HED	PY2KP	N8WWM	VE3WMD
WT5H	KB5GI	VA3KS	N9DD	VK5PJ
WV5Y	KB8PNS	VA3PZ	N9UNX	W0MHK
	KC0HBP	VE3KZ	VA3MA	W2VTV
97	KD6PY	VE3SPW	VE3RX	W3ZGD
AB8M	KI5TE	W4YZJ	VE5MX	W4VG
AJ9C	KM5NU	W5ADA	VE7AB	W5DMT
K0HB	KR4EE	W5CBF	W2GR	W7EIR
K0JQZ	KS4V	W5RCQ	W3IPA	W7TRX
K0QEI	KT5RR	W7JWC	W3TA	W9IFW
K0SH	N0WVU	W9SX	W4LNG	W9NED
K0YQ	N2LID	WA2ONK	W5ODD	W9WI
K3HZO (FN20)	N2VHZ	WA3I	W5PUF	WA5ICA
K4GTR	N2XK	WA4WR	W7NX	WB5CON
K4JQU	N8PAQ	WB2SIH	WA7LHZ	
K8XF	N8YBY	WD8DOT	WA9BXB	

92	KM7N	89	N0OK	VA3MDB
K1EY	KM9I	AB1TZ	N1CEO	VA7LM
K5GDX	KQ6K	AG2AA	N2MKT	VE7IRU
K5TDA	N3PPH	AG7NR	N2ZN	W8IW
K7FU	N3WCM	G4NBS	N4CAG	WA1PMA
K7HKR	N6DW	JQ1TIV	N4GN	WB4GCS
K7UWR	N7CZ	K4BMM	N4KIN	XE2AU
KB0PQP	N8DEZ	K5CX	N4UC	
KC4JNW	NR4J	K5JAZ	N5VBK	85
KD4QMY	NU4N	KA0MWA	NS3X	AC3KE
KE4WBO	VA2BBW	KF4TVL	NT4TN	AC9GK
KG4URP	W2SUB	KI0G	VE2VLJ	EI3IO
KR7X	W4MLN	KI4FW	W2BZR	K1UU
N2SG	W5KDA	KI4US	W3YX	K4LRP
N3GH	WB0NRV	KR4U	W4DL	K5MJP
N4VN	WB7X	N2GZ	W4RXR	KB3MXK
N5QO	WC4V	N5KAE	W7HDD	KC0V
N6FD	XE1GZU	N8YSZ	WA2BTR	KE4DRF
N6RPM		N9RG	WA5MD	KK4AND
N7DED	90	N9UDX	WK3N	N2RJ
NS6E	AA0LM	NE2U	WV8O	N4LS
UT5JAJ	AB4WL	VE3VCF	XE1SOV	NJ1Q
W1PV	AB9DU	W0HRO		VE3GFN
W2ACY	AF5BG	W1HY	87	VE7DAY
W2CVW	DL1SMA	W2JEK	AC0A	W1WV
W3ACO	JH4JNG	W2OK	AG4I	W3STU
W3GP	K1HC	W4ZMM	K4JC	W4IT
W3HZU	K1KA	W6VNZ	K5UZ	W4RA
W4BP	K3CWF	W9HT	K5WO	W6ST
W4LIA	K3UAL	WA7SDI	KB1VUN	W7SIR
W6NS	K4AAP	WB3IAL	KC8NAH	W8DQ
W8JV	K4FTP	WM6Y	KE6WOX	W9QY
W9HBH	K4XZ	WQ5C	KI6RRD	WA4WKL
WA3JKB	K6UIP	WR5AY	N0ELA	WD4LSS
WA4EEZ	K8EAB	XE2NL	N2CJN	WF4R
WM3O	KA5TJI	XE3DX	NE5S	
	KB5FHK		NI5F	84
91	KB7BSA	88	NN7RM	CT3FT
AA0CW	KK4DZP	AA4QE	W8GOC	K4EZY
AD3Y	KW3DX	AE0DX	WB3IGR	KE6NDG
CO2WZ	N2ULL	AE4OF	WB8JAY	N1KI
K1UR	N4BRF	AF4MI	WF4W	N2NWS
K4SPA	N5BA	K1RS		VE2WBK
K6YK	N9JJ	K3TN	86	W8PU
K7HPN	VA3XOV	K4XD	AG1T	W8SGR
K8OI	W9CPV	K7CTV	K7FB	ZS6NK
KB2YWU	W9CSY	K7WV	KA9OKH	
KB3IAI	WA2BEV	K7ZYV	KB7JJG	83
KB3NDS	WA8OJR	K9JF	KI6HQT	AA6E
KB7AZ	WD9HCF	KB2KIR	KN4MMH	DL5XJ
KC5POV	WE7H	KC1GWX	KP4TB	K1LH
KC8LGL	WEST SEATTLE AND	KC3BUL	KT1R	K4SQC
KE1IU	WH6LE	KE8UM	N2NF	K6JJ
KE7RTB	WM7C	KI2D	N3MVF	K8SIA
KG4QWC	WT4C	KI4RFM	N8TFD	KB3HHA
KI3O	XE3/K5ENS	KJ4KW	NZ3O	KB9LIE
KI5BLU		KU4S	SV1RK	KK7BV

KU4WW	N5YJZ	71	62	HL2IFR
N5PD	N9RC	K0GW	K4DXA	JA9KRO
N6KTH	VE3CFK	K4GK	N6ZDH	K0BBC/R
SV2AEL	W2GW	K5WPN		KI5KC
TG9AKH	W2SKI	NP4TT	61	N6DBF
W7USB	WN0L	W2YR	CU3AN	NP3IR
WD6T		W3FGP	K4MLB	YL3HA
WD9IOK	78	WC5M	N0GVK	
WI6Z	IZ8EDJ		US5WE	47
XE1MM	K2QPN	70		HB9RYZ
	SP5QWB	GI4SJQ	60	JE1VTZ
82	TG9AWS	K4BNC	HB9BIN	N6PAZ
AD4IE	W4NE	KC0ZRX	IZ4DPV	XE2X
CB0ZA		N6GEO	KP4JFR	
K3RJK	77	W2QO	S55DX	46
K4JMX	K1IFJ	W4GP	UR9QQ	HB9RUZ
KA5WSS	MI0AYR			
KC5YKX		69	58	45
KG4KVZ	76	K3WGR	KC6NBI	JA6WJL
N1SF	K0WYN	W1YM	SV8CS	K4TXJ
PU8TEP	K6MAA	WD4LBR	WA2MUA	
W5DAS	KI4CYB	YL2JZ		44
W7YOZ	KI7WXP		57	WO3T
W8GG	N1GNB	68	IK1ZOF	XE2YWH/1
WA2ONG	N2MH/4	AA4S	JL1UXH	
		EH7CD	JL3MCM	43
81	75	K6CF	N5LJL	8P6SH
AB4I	G4RGK	KJ7TEA	WD5GRW	CT1EEN
DF3CB	K3PP			K4ZIN
KE4DZU	K6VHF/HR9	67	56	42
N6MM	K8QM	JG2TSL	KI5WA	W0PR
N7NEV	N5GH	KF4JHG	LU8ADX	
NI4Y	NP3YL	W7YED	NI6T	41
W3MC	W4LVH			E75AA
WA4ZXV	W5UC	66	55	LA6OP
WA8ZNC	WP4NEG	K6KLY	LA3MHA	
XE1EE	ZL3AAU	KK4YEL	SP5APW	40
		UX1UA	WA2EMF	HA5PT
80	74			JF1LMB
AC6BW	AK8B	65	54	JR0QFA
G4FKA	CX4AAJ	JA1XEC	AG4KI	WB8TGY
K7FR	HB9ALO	K4IM		
KE4PT	KF2TI	K5EJ	53	39
KR4Q	LU4FPZ	N7UJJ	K0BBC	AA5PK
KW1DX	VE6SO	OK1MP	PP1CZ	
N2NS	VK4CZ	W4CCS		38
VY2HF	WC6DX		51	DD3KF
W2DEN		64	CT1ETE	DG7RO
W5TTY	73	K3BQ	N8OFS	DU1EV
W7AM	JF1IRW	WD5GRW (EM13QC)	OH4UI	K8YSE
	VP2MJD		VE9FCP	
	W4WT	63		37
79		EA1DR	50	BA7NQ
K4RW	72	HL2EIZ	N8MR	HL4CJG
K5JBT	N4II	KB0RFY		JA9APS
KB4DSL	PV8ADI		48	JH9DRL
KP4N			G8BQX	
N2COP				

OE3SGU	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO	15 9K2BM EI2GLB HB9FMN HB9HIT JE2UFF LU5FF PY2RN UT3UA WC2C	SV2DCD TF3Y UR7DWW	MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ
36 JA1WSK			9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM	
35 GI4OWA LU9DO UR5WA	23 GM4ILS K4SLC KP4EIT W8MK	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	8 DK2LO G1VDP JA1CPU JE3PCP JJ2NWI N8RO OH8LXT	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS GM4KHE IV3GOW JH7IMX JH7IPR JK6DXD UT5EL VK4ZP XE1SAX
34 G4SEU JL3LSF LA2QM	22 9H1SP IZ3ENH	13 K4AKX K4WY PY2MC W4PWF	7 DH0GSU G8APB HB9AOF IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX	3 DF1ZN DJ5AV DL2KQ EA1AR EA4D G3LHJ HA9PP HL2ZN IK0WRB IK8EPC JI1CHH JM1GHT JN1BPM JR6IQI KC0Y PY5IP SA7CJO SV1VN US0YA W1CBY WD9EWK (DM43) YB1TJ YL2CA YL2MU
33 W8GC WB4SON WB8TGY (EN72)	21 EA1YN	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	6 CT2FEY DL1TRK DU0A EI2JC JA7NGE JG1JPE PY2VA	
32 DM2RM N3LRH SM6WET ZL3TE	20 CX1FK I1FQH JM1KVV N1WC PY5EW W8LR	11	5 DL5LH EA1AAA EA7ZY G6MXL IK8GYS JI5USJ JJ1IDW KB8VAO M1VPN	2 5B4ALJ 6K5XZE 9A2GA 9K2NO
31 K7TM	19 DL1TS EA6BB J14WAO JR3UIC PY2HN SP8NR VE6TA (DO31)			
30 E72X JO7WXN WA6DNR	18 AJ6V HL4GAV KJ4EU W0HBH	A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHJ KA5WRG PY2DV PY2GM		
29 HL2WA OE4VIE				
28 CT8/K0RUI JA6CRP K0FMI OH3DP	17 G3LZQ PY2XAT SP5XMU SV8CKM W0JM			
27 E70A KC9ELU WP4NIX	16 N6VHF TI2CDA			
26 DS4AOW WB7QXU				
25 EA4/K1WE				

BV6CC	JA7DPC
CO6CBF	JA7VXB
DF3VG	JH8XVT
DF8FT	JI1HNC
DK1CO	JJ1PFC
EH4BPJ	JL2ULM
ES8JX	JN3ONX
F5TMJ	KC3KJQ
G0THY	KG4JSZ
G4DDL	KH6WI
G8GNI	KP4DER
GI4ONL	MM0INH
IK1IYU	OK1UU
IK2GOQ	ON6NA
IZ8XQC	OZ1IKY
JA6AVT	PU5SVE
JA6SZV	SM3GBA
JA9FAI	SM6LPG
JH3MHI	SP7EXY
JP1HDK	SQ5NRY
K4KZM	UN8G
K7LY	UR5EDX
KEN IN NEBRASKA	VR2VGM
LA2CQ	WB7VUF
OH3KAV	YO8WW
SV1XV	
SV3FUO	
YB2DX	
YL2KF	

1

3A2MW
 9A2EY
 AJ6T (EM66)
 BD4UJ
 CT1AHU
 DH8BQA
 DJ3ZF
 DL2DCX
 DL4ZAB
 DL8GAM
 DS5DNO
 DS5TOS
 EA3WD
 EA4GQS
 F1VEV
 G4CFS
 G4VSS
 G7SQS
 G8TTI
 IK5BSC
 IW0AFS
 IZ0BTV
 IZ2CSX
 IZ3DBA
 IZ5FSA
 JA1GZK