

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 (21 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	459
AA0MZ	W5AJ	AD6D		N5NA
AA5AM	W5EME	K7BG	473	XE2K
AA5C	W5FF		N4TB	
AA7A	W5KI	483	NQ7R	458
A15I	W5OZI	AC0RA	WB0O	K9NW
K0GU	W7GJ	K1USA		KG5THG
K1TOL	W7JW	W0VTT	472	N9BCA
K4PI	W7KNT	W5TRL	A11K	
K4XO	W7MEM		KB7ME	457
K5RK	W9FF	482	WD8JJA	NI0G
K5UR	W9JN	K0BJ	WE9R	W3UR
K5WE	W9RM	KX4R		
K7CW	W9XX		470	456
K7ULS	WD5K	481	WO7R	N4QS
K8SIX	WQ5S	W9VHF		N9PGG
K9CT	WS9V	WA7HQD	468	W5THT
KA9CFD			VE3EK	
KA9FOX	487	480		453
KD5M	K0SIX	K5GZR	467	K4YMQ
KG5CCI	K1TO	N4WW	N5EKO	KB9DAK
KM0A	K7MAC	WB0ULX		W5XC
KO9A	K9YY	XE2OR	466	
KR7O	KM0T		KA0JGH	452
KV5W	N0AKC	479	KB6NAN	N5BO
N0LL	N7CW	N5WS	NY0V	N9BX
N0LWF	N7IR	W5WVO	WB9CIF	NE1B
N0PB	N9ISN	W9RN	WX7M	
N0TB	NA6L			451
N1AV	W3IP	478	464	K5WBM
N3SL		AD1C	KB9OWD	
N3XX	486	AE5B		450
N5DG	K5ND	AF5CC	463	AJ4F
N5OMG	KY7M		K4MY	KF8MY
N6JV	N0KE	477		
N7NW	N7KA	KC7V	462	449
N9LB	WD5COV	N5KO	K6ZH	KF6HI
N9UM	XE2CQ	N7ZO	N6ORB	W8TN
ND0B		NC6K		
W0FY	485		461	448
W0JW	K0TPP	476	N4JQQ	KP4AJ
W0LGQ	K9MU	KC7QY	NA9RB	W3LPL
W3CP	N0POH			
W4UDH	W5VY	474	460	447
W5ADD	W5ZN	K7KQA	K4SO	AH0U

K3SX K4HB KS7S N4SC	434 K1SIX K8ROX KF0M	419 K7NN W0GN W5AL	405 AA4SC K3FRK K5CKS NE9U W0MU	391 AD5A W4AVY
446 K1HTV K6EID WB7CJO	433 NA6MG NM5U W3LL W9WO	417 NJ6D	404 AA1ON N2ZX VE4EAR	389 AB4SF
445 K4XP K7PI KU7Z N8OC	432 K6GXO N6KK	416 K4RWP K7ND KO4MA WW1L	403 NH6T/W4	388 K0IP W4WRL
444 N7BAV	431 K0TLM	415 K5OMC K7AWB W0GJ	402 K3FM K7SMA	387 KV4T N4CH
443 AB4IQ K8ZM N4MM WB8ZBT XE2X	430 K1TEO N5TJ	414 K0DEQ N0GZ ND4X	401 K4CKS	386 N7IJ NN4R W5TFW W7AH WE4S
442 N2QT N4TL	429 WA5JCI	413 AE5FM WA9LFO	400 W0JRP W3UUM	385 NK1K VE6MB W4WTA
441 K8TB K9KLD KD3CQ WA1EAZ	428 K5RT K9APW N2NL	412 VE2XK 6M FN07PJ	398 N8IEZ W1NG	384 K8ROK W7FI
440 AG9S W2IRT	427 K4ZOT N4LR W0RH	411 N9EAT	397 K8JH	383 KI0E
439 WA9DU	426 K5XI K8ZR N5OK W5JAY	410 KE7SW KE8KMX KI8G N4HN	396 K6VHF KB8U	382 K5PI VE3YXO
438 K9MK	425 K6ML	409 N5SYV	395 AA5XE K0AZ KF7CQ WB4EVH	381 AG4W W3VZ
437 KK4MA	424 N4UFP N9AKR W3EP WB8BPU	408 W7BA	394 AA5JF K2TER KT8O N1EVK	380 K7MCX NE6I WA5LFD
436 N4QWZ N9FN W3TC WB8ART	423 AJ4A W4DR	407 W4AS W5CIA W5PR	393 K1GG K7XC W4TV	379 AB9BH KZ2I N8WNA W6TMD
435 KF6A	422 VE6WQ WB5JID	406 AK3E K6FG K8EB N4UFO	392 AF4HX W6OMF	378 WR7X

377 AB1OC NT9E WA1NLG	365 K4JJW K7XB KG7CW W4FC	XE2ML	337 K8ZES NU6S W9EWZ WA5RT WW0E	W8PI
376 K8GI K8VFV N2WK N3OC	364 AB5EB K0RAR N6QQ	351 AA4FL K5DTC	329 AA1QD AA8SW N2JJ N8HRZ W2OR W8WG W9DCT WB4KTF WX4G	
375 K6QG WB4OQX	363 W4NH	350 N6VI N8YO	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S	328 K6ME N5PT W2CNS WB3LHD
374 KV7K N6GP N7DB	362 W1JR WA5OLT	349 KA0BAD	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX W9GKA WA7PDC	327 KJ5RC N0YO W2JU W7YA
373 K4SSO NY1V	361 K8BL K9NR N1KDO N7MB N8KOL NG4C NI0P	345 KB1EFS VE7BV W3XY XE2YWH	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	326 K2ZD K6LMN K6TDI NG7M W7JLC WF7T
372 JA7QVI W5MO	360 AA4FF K6UM (CN85)	344 AC9DX K6FW KB0PE N9XG W1OW	333 KM4HI KN4NN N0IGZ N6KZ W3GQ	325 WA2AEY
371 N3PS WA6BYA	358 K5RLA K6EME KG8P NK0S	343 AB4EJ K5EK N3RC W2HRO	332 AA7UN N4JDB N7KDT VA3IKE VE1JBC W9GM	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY
370 K5TN KN4SM KS4YT N3MK NT0V	357 K4LVV	341 KD7DCR NX7U WA7YAZ	331 K1GJQ K8WDA KC0UDO N4MW W3TI	323 N8II W8KEN WO2T
369 KF8UN N2DPF	355 KD5XB	340 KE4TH N0AN N8LRG	330 KB8MBC KG6AY	322 N3ALN VA6SZ
368 K0DD KB0V W5RCI W6GMT	354 N3AIU (DM45)	339 KE4BKL VA7FC W5VAS		321 NC7B NS4C W9VA
367 AA4ZZ KC4HW KR4BD W7YAAQ	353 AF2K K0CS	338 N9JR NA5Z VE3SXE W9XA WA5KBH		
366 KI7JA	352 KF9UG NZ3M VE3DS W0KKK W1DYJ WA9PWP			

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 KF2T 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	
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) KT1J WA9M	296 JG1TSG K4XR K6YUI KC7RW	285 K5CZD K9UO XE1YY	276 K2CS K5TWJ K7TAB W9OO
315 K5VH NY2NY XE1AO	304 K6IPF WA0GUD	295 KE4P N7NT	284 AB0RX K0KP K4DET KX7L NJ2F (EL96)	275 K1MAA K2NJ N4GG W0FK
314 KU4XO VE3XN	303 EA8DBM K8TGC K8TL N7LAN	294 K6JSV W7IMC	283 K2BLA N5OHL WA0FQK WB0CQO	274 KB1DMX WA8MCD
313 K0TC N2ZZ N6NR N7UVH NF4A W4GLV W5RKN	302 KB2TGU N3KN	293 K2UU K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K0CAO K0PG K5TA N8JCM W4WM	273 KM4H KV1J VE6SH
312 AF6O KA2GOJ	301 N0HJZ W7IB W9OBG WA8ZID WB0TVY	292 KJ6P W1SSN	281 JR1LZK K4OY NL7CO W2YE	272 KF8QL KO4PRE N4SV
311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH WX0Z WX2S	291 KS4S W1WHL W2CCC	280 N0KV NM5Z W1FKF	271 K7NII KB7FUV KM3V W3HHN W3SW
310 N1NK NJ7G W9KVR WO4DX		290 JE1BMJ WA8EFK		270 K4SPD

KC9FQD N2LIV W4QK W5DNT W7JY WZ9B	ND4DX WA0KBZ	VE3OTL WD5ITW	244 AA9RR K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	W5AJX
269 K2IE K3ZO KD5R KK0DX N5EPA N5WD VA2CY	261 AF2F K3TWK KB8UUZ N3EW VE6TA (DO33)	253 KG4ERR N2XQM		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 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 K10HA 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 MD0CCE 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	229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX W5LUA
262 K3CWH KD8JSP N4ST	254 N7QOZ NR0Q	245 N1IA N3XF VA3CW	237 K3KO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ

227 JM1SZY K3HPA K8ZT K9TF KS9A W4KXY XE1GLL	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	VE3SMA W2ZDP W5HNN W6AER W6KAP	N0HF N8SYF W1RM W3SZ W9GFB W9VOB WA1KPD	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	193 K7PT K9AB	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN
223 K7UA NJ7A	215 AL7OC K2SX KI5FJ N2YU N6KW	207 N1BCL N8NJA	200 4A2MAX K4YJ N5AO N9AG VA3VU W1AW	
222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	214 KB9PJL VE3SYK WA7AJ	206 AB0CT AK4Y CT3MD K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	199 N3KFV W4OEP WB0YEA	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD
221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	213 K3DFL KI6X W0NBC	205 AF4OD K8SD KE4HOA N5ITO W8QID	198 AC8TO JR2HCB N0UK N7EPD NX0I W8DM WA7KYM	190 K5DB K5ER KC2DLD KK8MM N5SMQ N9UA W1ATV W2OO WB0DBS
220 K7BTW N7XCZ	212 AB5C JF8QNF JR3REX KF7NN N1SV N2OA	204 LU2DX WA3DRC	197 K3EGE N4BAF W3TW W5CTV	
	211 K9FOH NE8S	203 K0VSV K5HYT K5LOW	196 K0AIZ K0NR N5DUW	189 KC0MEA WA5VKS

188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	KB8YKR N3XJX N4DTF N9MSG NY0A W4RBO W9BS WJ1B	WA5IPS WW2R	N7PHY NY4I VE3HHT W8KNO	WA1Z WB0WAO
187 AA8R KD3HN KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 PV8BR	168 KG5ZMQ W2PD W8WEJ	161 K4EA KB3CWQ KK9M N2YBB V44KAI VE3LC W4HOG
186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE	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 N0NHW NO0T TG9ADQ W1BAT	160 AB1QB JA1AFR K5IQ
185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT	178 KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD W9JJ WY7FD	173 K2ZZ K5YPV KE4SCY	166 JA1OVD KC2GHT N5VU NC4RY VA3WEB WB4KXS	159 G0OIL K4MZ NS7B W1EME W4TTO WB8NUT
184 4O3A AF5Q K0DEW KR4M N1IBM N4BG	177 AG4ZE K2QQ KI4BWW SM7FJE W5ZG WA8UEG	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT N1JFU W0RIC	158 I0WTD K8CR KI0D N2CG
183 K5RQ N0UBL W2UDT	176 AD5ZA EA5BY K0DI KX9X N5QGH NP4BM W5AFD	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX W6IA WA2KBZ	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	157 K4FX KB8GC KC2WUF WA7NB
182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I XE1CL	170 K9TVG N4GBK N8CN NA2U W1MJC W4IHI W4JKC WK3V	169 K6XC KD5OMJ N2BEG N5XES	163 K2JF K2YSY N3FX N5XZ	156 K2KJ K9OHI N3RN N9KO VE7VDX
181 AB9FN K4CMS K5HDE	155 AE4M CT1BWU K3TD K6XN N7AU N9OBE TG9ANF VA3NQ WV8DX	162 AF4GK K0QB KA1R KD4TDI N5SIX W9JJB W9VS	154 AE4NT	

KB9VMW KD2NF W3ZQN	IZ1LBG K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	WS4V	SM7AED	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 WO4G	145 KD7YZ PV8AJ V31MD VA3TTX WA4JA	140 AC5DK BA4SI CO2WF K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VA3FLF VE3KY W4TUN W6DQ WA4KXY	135 CU3EQ K4MWB K8ZIZ LY3W N4DB N8XE W6BXQ WB8BZK WW2DX XE1H	130 AB0X JA3LZS K0GUR K4JKB K8LG KC4NX NG9R NO8D VE1DX VE2TZX 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	143 K0KVR K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	138 AC0XY AI6O JA6RJK KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	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	142 N2ZA N5RMS NA2X NC4VA W5SWV WA5TKU	137 N1SZ N5JGK	132 AB3CV IC8TEM K5VG KW4G N4PPH N7TP N8IK	127 AA9RK K3GYK K7UV K8AC K8OS

KB3OZC	122	WM9M	NF8M	N5YM
KB9TLV	K7AED		VE1WOW	W7JET
KC0RQH	K7OGW	118	VE3IRR	W7UP
N6UTC	KA9JAC	J68AS	W2JLK	
VE2JWH	KB4UF	K4AZV	W2ZQ	109
W1FLD	KB5WFE	KA4LBD	W4ALF	AK6ZZ
WA6BIL	KC5UGX	KF6MXK	W4UFO	G4BWP
	N5HYV	KI7BP	WO2C	IW1ARB
126	VE6PY	KT8X	WX4US	K2DSW
KJ7G	VE7JAC	KW4BY		K2JGL
N0BDS	WD0GTY	N1QDQ	113	K2OO
N7DGI		N3JNX	AB4PM	K5DNL
WB4HUC	121	N5EIL	AD5MD	K9GY
YL2AO	AE1P	W2AC / WB2ABK	K3DQB	KE6GLA
	K0MFI	W2AC/WB2ABK	KD4BPZ	KJ6CA
125	K4HBI	WB2KSK	KD6VCD	KZ7N
AA7DK	K6USY		KM5OL	N8TMW
K3PU	KB2WAL	117	N3JDQ	N9TTX
KC5DRI	KB5MH	AB5J	N4YCI	VE3AAQ
W2AJM	KE4JFS	K4WS	N5YK	W0YJT
W3UQH	NE0P/9	N4USG	W0BM	W1OP
W4DFU	UR0MC	N5JEH*	W8MSP	W4ZRZ
WA6POZ	W8DN	N5LPT	W8VW	W5MPC/1
WB4OMM	WB9TFH	NA7L	WD0ENC	W7RJR
WE1P		NU6V		WB6YIY
	120	W6WE	112	WB9W
124	EA1YO	WA1TBV	K2MLS	
K0DLW	K2CYE	XE2PXN	K3GD	108
KB0HH (EM06)	K4AU		K5WTA	CF3VRQ
KD5FTD	K4CGY	116	KA7T	HB9BZA
KM1C	KD0R	IK7EOT	N5HMH	JA9IPF
KT5MR	KD4MZM	K4RGN	W1TR	JP7EIP
N0SL	KD5BRF	KI6QDH	W5DQ	K5OPB
N9AZZ	KE4SCY (FM06)	KU5B	W6OAT	N3MWQ
PV8AAS	N3YPJ	N0VR	W7IV	N5DD
W0PE	VE1JC	NO0B	W9PN	VE3SUB
W1TAM	VE3XK	W0DHB	WA8TWM	VE7IG
W6SCQ	WA6RAY		WG3K	VY2RU
W7YM	WD4OHD	115	WX3P	W4AMP
W9CDL		K9MMS	XE1GK	W4CRN
	119	KE6TVM		W5AAJ
123	AE5AU	KF0QS	111	W8EH
AC7AF	K0AWU	KF9AF	N0SLT	W9VNE
K9SM	K1ZN	KM5FA	PC3T	XE1R
KB0GT	K2SQS	N7VGO	W8GBH	
KB0STN	K4MSG	UW5ZM	WZ8P	107
KG6DHQ	K7JIZ	VK9DX		JA3EGE
VE3TG	KF7PCL	WA3BZT	110	K5UIC
W1HS	KP3V	WC7V	EA4DEI	KF7PG
W3SE	KT0P		K5KR	KI9A
W4PRZ	KW7N	114	K7LD	KK4LUM
W5EWF	N4UPX	AC8HU	KD5J	N3TTT
W7MHW	W0QC	K2RET	KI0F	N9OI
W8BI	W4SW	K3RTU	KP4JRS	NF0T
W8KHP	W5DM	K9AAN	KQ4LA	US0KW
WA8WV	W7QQ	KC4GCK	KX5U	W2TTT
WB2RVX	WI4T	KG9Z	N5TIF	WB4PPW

106	N0STP	VE7ZD	KJ5OA	WW2R (EL09)
K0MEI	N1LDY	W4RVZ	N3TBB	
K5BJW	N2FBQ	W5DPT	N4NIA	98
K7BWH	N3UPS	W5OV	N5RZK	AC2RL
K7JE	N7AGF	W7UT	N5XTR	AD8Y
KB0TIJ	NJ1H	W9NFL	N7EME	K0KC
KC7ICM	VE2PIJ	WA8EQP	N8COP	K0UD
KE5JXC	W1TE	WB5FDP	N8XS	K3IXD
KJ6MBW	W1ZE		VP2MRM	K3QIA
KK2DOG	W4KVS	101	W2CH	K4OP
N0RQ	W6ZQ	AE7V	W4/KL7GLL	K5HOB
N1USB	W9EBK	K0IN	W4OZK	KA1EKR
N2IPH	W9MDB	K0SBV	W8BZY	KE4LGL
N4CE	WB2VUO	K0WJ	W9DQ	KG4YOU
N5FPW	WB8BZK/VE3	K2NUD	WA5TLP	KG7E
N5YHF	WL7OU	K5DWI	WV9E	KJ2G
N8HM		K5HX		KK0CQ
N9XMU	103	K7SYS	99	KY0Q
VA3OKG	AA5CK	KB1JDX	AB0SD	N0JJQ
VE3AJY	AB0YM	KB4KBS	AB3TM	N1JHJ
WB6VYH	AB5SS	KC6AWX	K0YO	N3LRP
WQ9F	K2OY	KC8CSD	K4KEW	N5TEY
	K4MVL	KG8WB	K4WQ	N8AID
105	K8ZEE	KG9IL	K4ZO	NO5X
AC4Q	KA1W	KL2R	K5VPQ	NO8R
DS4EOI	KB0FHP	KR4WM	K7DD	VA3VF
K4SJA	KB2SGX	KR7LD	K7PAP	W2KRP
K9MAL	KC9FFV	N1IX	K9ZZE	W6TE
KB3JGS	KF0AIJ	N4AOE	KA0ZEE	WA2FGK
KC0JYT	KF4DVG	N8VEA	KC2IEB	WA3TLT
KC4KK	KR4NO	N9DVS	KC6X	WB1GQR
KF4DGS	N0YXE	ON9CMR/W0	KD4MWO	WB2YDS
KJ7TH	N1JIF	VA2LGQ	KD6RUH	WD0E
N4NQY	NF6P	W4LLP	KG9AP	WH6LR
N5SAN	NN2D	W5KBD	KR4UA	WT5H
N7YY	VE7DXG	W7ISG	M5MYH	WV5Y
NE9O	W0TF	WB8IMY	N4FV	
PU4JOE	W3LEO	WD5IYT	N7HRT	97
VE3VRQ	W6IT		N7JPF	AB8M
W8MIL	W6XU	100	N7TE	AJ9C
W9RVG		AC0FT	N8GHZ	K0HB
WA4MYO	102	AI2S	N8YV	K0JQZ
	AA9MY	AI9U	N9MKC	K0QEI
104	AB8JH	K2UA	NB5R	K0SH
AB9YC	AD6KH	K4UQC	NH6CJ	K0YQ
AC5K	K0HAQ	K5GM	NI5W	K3HZO (FN20)
AC5RN	K3HW	K5KV	NS2P	K4GTR
AC9QR	K9AM	K8IJ	VE2HAY	K4JQU
IK4DRY	KA3ZLS	K9CC	W2HOG	K8XF
K5PPP	KB8CR	KB9ZLB	W2VU	KA2BSK
KB9RNO	KC6WFS	KC2HLI	W5JLC	KA7EII
KC1LXO	KC8DMN	KC8CC	W6TJU	KC0YBM
KC2TR	KD8NYO	KC9CMT	WA1LAD	KD5CKP
KD9GKL	KE1AU	KD3SW	WA5TRX	KF4KSN
KJ7OG	KJ4M	KE5CVM	WB5NHX	KM4NYI
KM6WXB	KR5V	KF0Q	WB7VVD	KT5WB
KO4LZ	N1HOQ	KG5X	WK5X	N1VMJ

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
KT5RR	WA3I	W5ODD	WA5ICA	KI5BLU
N0WVU	WA4WR	W5PUF	WB5CON	KM7N
N2LID	WB2SIH	W7NX		KM9I
N2VHZ	WD8DOT	WA7LHZ	92	KQ6K
N2XK	WS4S	WA9BXB	K1EY	N3PPH
N8PAQ	XE2AT	WT9U	K5GDX	N3WCM
N8YBY		WV7S	K5TDA	N6DW
NT2A	94		K7FU	N7CZ
NW5Q	AA4RP	93	K7HKR	N8DEZ
NY2Z	AB4VT	AG2A	K7UWR	NR4J
VE2DCP	AD1DX	AG6CV	KB0PQP	NU4N
W1HMM	AK8CW	AI8F	KC4JNW	OE9KFV
W3VHF	HK4SAN	K0IW	KD4QMY	VA2BBW

W2SUB	KI4FW	W2BZR	K1UU	82
W4MLN	KI4US	W3YX	K4LRP	AD4IE
W5KDA	KR4U	W4DL	KB3MXK	CB0ZA
WB0NRV	KT3X	W4RXR	KC0V	K3RJK
WB7X	N2GZ	W7HDD	KE4DRF	K4JMX
WC4V	N5KAE	WA2BTR	KK4AND	KA5WSS
XE1GZU	N8YSZ	WA5MD	N2RJ	KC5YKX
	N9RG	WK3N	N4LS	KG4KVZ
90	N9UDX	WV8O	NJ1Q	N1SF
AA0LM	NE2U	XE1SOV	VE3GFN	PU8TEP
AB4WL	VE3VCF		VE7DAY	W5DAS
AB9DU	W0HRO	87	W1WV	W7YOZ
AF5BG	W1HY	AC0A	W3STU	W8GG
DL1SMA	W2JEK	AG4I	W4IT	WA2ONG
JH4JNG	W2OK	K4JC	W4RA	
K1HC	W4ZMM	K5UZ	W6ST	81
K1KA	W6VNQ	K5WO	W7SIR	AB4I
K3CWF	W9HT	K6UIP	W8DQ	DF3CB
K3UAL	WA7SDI	KB1VUN	W9QY	KE4DZU
K4AAP	WB3IAL	KC8NAH	WA4WKL	N6MM
K4FTP	WM6Y	KE6WOX	WD4LSS	N7NEV
K4XZ	WQ5C	KI6RRD	WF4R	NI4Y
K8EAB	WR5AY	N0ELA		W3MC
KA5TJI	XE2NL	N2CJN	84	WA4ZXV
KB5FHK	XE3DX	NA5DX	CT3FT	WA8ZNC
KB7BSA		NE5S	K4EZY	XE1EE
KK4DZP	88	NI5F	KE6NDG	
KW3DX	AA4QE	NN7RM	N1KI	80
N2ULL	AE0DX	W8GOC	N2NWS	AC6BW
N4BRF	AE4OF	WB3IGR	VE2WBK	K7FR
N5BA	AF4MI	WB8JAY	W8PU	KE4PT
N9JJ	K1RS	WF4W	W8SGR	KR4Q
VA3XOV	K3TN	XE1RBV	ZS6NK	KW1DX
W9CPV	K4XD			N2NS
W9CSY	K7CTV	86	83	VY2HF
W9HBH	K7WV	AG1T	AA6E	W5TTY
WA2BEV	K7ZYV	K7FB	AC9GK	W6TCP
WA8OJR	K9JF	KA9OKH	DL5XJ	W7AM
WD9HCF	KB2KIR	KB7JJG	K1LH	
WE7H	KC1GWX	KI6HQT	K4SQC	79
WEST SEATTLE AMATEUR	KE8UM	KN4MMH	K6JJ	K4RW
WH6LE	KI2D	KP4TB	K8SIA	K5JBT
WT4C	KI4RFM	KT1R	KB3HHA	KB4DSL
XE3/K5ENS	KJ4KW	N2NF	KB9LIE	KP4N
	N0OK	N3MVF	KC1UYZ	N2COP
89	N1CEO	N8TFD	KK7BV	N5YJZ
AB1TZ	N2MKT	NZ3O	KU4WW	N9RC
AG2AA	N2ZN	VA3MDB	N6KTH	VE3CFK
AG7NR	N4CAG	VA7LM	SV2AEL	W2GW
G4NBS	N4GN	VE7IRU	TG9AKH	W2SKI
JQ1TIV	N4KIN	W8IW	W7USB	WN0L
K4BMM	N4UC	WA1PMA	WD6T	
K5CX	N5VBK	WB4GCS	WD9IOK	78
K5JAZ	NS3X	XE2AU	WI6Z	K2QPN
KA0MWA	NT4TN		XE1MM	SP5QWB
KF4TVL	VE2VLJ	85		TG9AWS
KI0G		EI3IO		W4NE

77 K1IFJ MIOAYR	N6GEO W2QO W4GP	S55DX UR9QQ	K4TXJ	SM6WET ZL3TE
76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	69 K3WGR W1YM WD4LBR	58 HB9BIN KC6NBI SV8CS WA2MUA	44 WO3T XE2YWH/1	31 K7TM
75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL W4LVH W5UC WP4NEG ZL3AAU	68 AA4S EH7CD K6CF KJ7TEA KW4OV	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	67 JG2TSL W7YED	56 KI5WA LU8ADX NI6T	41 N6PAZ	29 HL2WA OE4VIE SP5APW
73 G4FKA JF1IRW SV1RK VP2MJD W4WT	66 K6KLY KK4YEL	55 LA3MHA WA2EMF	40 E75AA JF1LMB JR0QFA WB8TGY	28 CT8/K0RUI JA6CRP K0FMI OH3DP
72 N4II PV8ADI	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	54 AG4KI	39 AA5PK YL2JZ	27 E70A KC9ELU WP4NIX
71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	64 K3BQ WD5GRW (EM13QO)	53 K0BBC PP1CZ	38 DD3KF DU1EV K8YSE VK5PJ	26 DS4AOW WB7QXU
70 GI4SJQ K4BNC KC0ZRX	63 EA1DR KB0RFY	51 CT1ETE N8OFS OH4UI VE9FCP	37 BA7NQ HA5PT JA9APS JH9DRL	25 EA4/K1WE
	62 HB9ALO HL2EIZ IZ8EDJ K4DXA N6ZDH	50 N8MR	36 JA1WSK	24 EI2JD F1RAF F4BDG KS4YX ON6AB PA7TWO
	61 CU3AN K4MLB N0GVK US5WE UX1UA	48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA	35 GI4OWA LU9DO UR5WA	23 GM4ILS HB9G K4SLC KP4EIT W8MK
	60 IZ4DPV KP4JFR	47 HB9RYZ JE1VTZ	34 G4SEU LA2QM	22 9H1SP IZ3ENH OE3SGU
		45 JA6WJL	33 W8GC WB4SON WB8TGY (EN72)	
			32 DM2RM N3LRH	

21 EA1YN	13 K4WY PY2MC W4PWF	7 DH0GSU G8APB HB9GWJ IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX	3 DF1ZN DJ5AV DL2KQ EA1AR EA4D G3LHJ HA9PP HL2ZN IK0WRB IK8EPC IW3GJF JI1CHH JM1GHT JN1BPM JR6IQI KC0Y PY5IP SA7CJO SV1VN W1CBY WD9EWK (DM43) YB1TJ YL2CA YL2MU	SV3FUO YB2DX YL2KF
20 CX1FK HL4CJG I1FQH JM1KVVW N1WC PY5EW W8LR	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW VE3LYC ZS6WB	6 CT2FEY DL1TRK DU0A EI2JC JA7NGE PY2VA		1 3A2MW 9A2EY AJ6T (EM66) BD4UJ CT1AHU DH8BQA DJ3ZF DL2DCX DL4ZAB DS5TOS EA3WD EA4GQS F1VEV G4CFS G4VSS G6MXL G7SQS G8TTI IK5BSC IW0AFS IZ0BTU 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 VR2VGM WB7VUF
19 DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ PY2DV PY2GM SP5XMU	5 DL5LH EA1AAA EA7ZY IK8GYS JI5USJ JJ1IDW KB8VAO M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ		
18 AJ6V HL4GAV KJ4EU W0HBH	10 DL4CF HB9BOS JI2UDK PA5KT SV2DCD TF3Y UR7DWW	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS GM4KHE IV3GOW JG1JPE JH7IMX JH7IPR JK6DXD UT5EL VK4ZP XE1SAX	2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF3VG DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL IK1IYU IK2GOQ IZ8XQC JA6AVT JA6SZV JA9FAI JH3MHI JP1HDK K4KZM K7LY KEN IN NEBRASKA LA2CQ OH3KAV SV1XV	
17 G3LZQ PY2XAT W0JM				
16 N6VHF SV8CKM TI2CDA				
15 9K2BM EI2GLB HB9HIT JE2UFF LU5FF PY2RN UT3UA WC2C	9 DL7BA EB1EWE EC7ZK G6BFP IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM			
14 EA8MT HB9FMN JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	8 DK2LO JA1CPU JE3PCP JJ2NWI N8RO OH8LXT			