

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 (08 Aug 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	K7BG	W6XK	NA9RB
AA5AM	W5EME	KM0T		
AA5C	W5FF	W5VY	473	460
AA7A	W5KI	W5ZN	N4TB	K4SO
AI5I	W5OZI		NQ7R	
K0GU	W7GJ	483	WB0O	459
K1TOL	W7JW	AC0RA		N5NA
K4PI	W7KNT	K1USA	472	XE2K
K4XO	W7MEM	W0VTT	AI1K	
K5RK	W9FF	W5TRL	KB7ME	458
K5UR	W9JN		N7ZO	K9NW
K5WE	W9RM	482	WD8JJA	KG5THG
K7CW	W9XX	AD6D		N9BCA
K7ULS	WD5K	KX4R	471	
K8SIX	WQ5S		ND4X	457
K9CT	WS9V	481		NI0G
KA9CFD		W9VHF	470	W3UR
KA9FOX	487		WO7R	
KD5M	K0SIX	480		456
KG5CCI	K1TO	K5GZR	467	N4JQQ
KM0A	K7MAC	WA7HQD	AD1C	N9PGG
KO9A	K7TM	WB0ULX	N5EKO	
KR7O	K9YY	XE2OR		453
KV5W	N0AKC		466	K4YMQ
N0LL	N7CW	479	KA0JGH	KB9DAK
N0LWF	N7IR	N5WS	KB6NAN	W5XC
N0PB	N9ISN	W5WVO	WB9CIF	
N0TB	NA6L		WX7M	452
N1AV	W3IP	478		N5BO
N3SL		AE5B	465	N9BX
N3XX	486	AF5CC	WE9R	NE1B
N5DG	KY7M			
N5OMG	N0KE	477	464	451
N6JV	N7KA	K0BJ	KB9OWD	K5WBM
N7NW	WD5COV	KC7V		
N9LB	XE2CQ	NC6K	463	450
N9UM		W9RN	K4MY	AJ4F
ND0B	485		VE3EK	W5THT
W0FY	K0TPP	476		
W0JW	K5ND	KC7QY	462	449
W0LGQ	K9MU		K6ZH	KF6HI
W3CP	N0POH	475	N6ORB	W8TN
W4UDH		N4WW	NY0V	
W5ADD		N5KO		

448 W3LPL	436 N4QWZ N9FN W3TC WB8ART	W3EP	408 W7BA	392 AF4HX N4UFO W6OMF
447 AH0U K4HB KS7S N4SC		423 AJ4A WB8BPU	407 W4AS W5CIA	391 AD5A N1EVK W4AVY
446 K6EID N4QS NV4B WB7CJO	435 K9KLD KF6A	422 VE6WQ WB5JID	406 AK3E K6FG	389 K8JH NE9U
	434 K1SIX K8ROX KF0M	420 VE3LYC	405 AA4SC K3FRK K5CKS	388 K0IP W4WRL
445 K4XP K7PI KU7Z N8OC	433 NA6MG W3LL W9WO	419 K7NN W0GN W5AL	404 N2ZX VE4EAR	387 AA1ON KV4T N4CH
	432 K6GXO N6KK	417 NJ6D	403 NH6T/W4 W5PR	386 N7IJ NN4R W5TFW W7AH WE4S
444 K3SX N7BAV W4DR	431 K0TLM K8ZM	416 K4RWP K7ND KO4MA	402 K3FM	385 NK1K VE6MB W4WTA
443 AB4IQ N4MM	430 K1TEO KF8MY N5TJ	415 K5OMC K7AWB W0GJ	401 K4CKS	384 AB4SF K1GG K8ROK W7FI
442 KP4AJ N2QT	429 WA5JCI	414 K0DEQ K7KQA N0GZ WW1L	400 W0JRP W0RH W3UUM	382 K5PI VE3YXO
441 K8TB KD3CQ	428 K5RT K9APW N2NL	413 AE5FM WA9LFO	398 K7SMA N8IEZ W1NG	381 AG4W W3VZ
440 AG9S N4TL W2IRT WA1EAZ	427 N4LR NM5U	412 VE2XK 6M FN07PJKB8U	396 K6VHF	380 K7MCX NE6I WA5LFD
439 WA9DU WB8ZBT XE2X	426 K4ZOT K8ZR N5OK W5JAY	411 N9EAT	395 AA5XE K0AZ KF7CQ	379 KZ2I N8WNA
438 K1HTV K9MK	425 K6ML	410 K5XI KE7SW KE8KMX KI8G N4HN	394 K2TER KT8O	
437 KK4MA	424 N4UFP N9AKR	409 N5SYV	393 K7XC W4TV	

W6TMD	KR4BD W7Yaq	W0KKK W1DYJ WA9PWP XE2ML	337 K8ZES NU6S W9EWZ WA5RT WW0E	329 AA1QD N2JJ N8HRZ W2OR W8WG W9DCT W9XA WX4G
378 WR7X	366 KI7JA	351 AA4FL K5DTC	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA W8OP WO9S	328 K6ME N5PT W2CNS WB3LHD
377 NT9E	365 K4JJW K7XB KG7CW WB4EVH	350 N6VI N8YO		
376 AA5JF K8GI K8VfV N2WK N3OC	364 AB5EB N6QQ	349 KA0BAD		
375 K6QG KI0E WB4OQX	363 W4NH	346 W8LMG	335 AK0MR K5FUV K5FZ K9QVB KB4MRX N3PS W9GKA WA7PDC	327 KF9UG KJ5RC N0YO W2JU
374 AB1OC KV7K N6GP N7DB	362 W1JR WA5OLT	345 KB1EFS VE7BV W3XY XE2YWH		326 K2ZD K6LMN K6TDI NG7M W7JLC WF7T
373 K4SSO	361 K8BL K9NR N1KDO N7MB N8KOL NG4C NI0P	344 AC9DX K6FW KB0PE N9XG W1OW	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	325 WA2AEY WB4KTF
372 NY1V W5MO	360 AA4FF K6UM (CN85)	343 AB4EJ K5EK N3RC W2HRO	333 KM4HI KN4NN N0IGZ N6KZ W3GQ	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY
371 JA7QVI WA6BYA	358 K5RLA K6EME KG8P NK0S	341 KD7DCR NX7U WA7YAZ	332 AA7UN N4JDB N7KDT VA3IKE VE1JBC W9GM	323 N8II W8KEN WO2T
370 K5TN KN4SM KS4YT N3MK NT0V	357 K4LVV	340 K0RAR KE4TH N0AN		322 AA8SW VA6SZ
369 KF8UN N2DPF	355 AB9BH KD5XB	339 KE4BKL N8LRG VA7FC W5VAS	331 K8WDA KC0UDO N4MW	321 NC7B NS4C W9VA
368 K0DD KB0V W5RCI W6GMT	353 AF2K K0CS K8EB	338 VE3SXE WA5KBH	330 KB8MBC KG6AY W8PI	
367 AA4ZZ KC4HW	352 NZ3M VE3DS			

320 K0VG N4DW	WO4DX	WX0Z WX2S	WA8EFK	W0VHF (EL87) W8GJ WA4NVM XE1FAS
319 N7US W4ER	309 AA4LR	299 N9JR VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA NQ7G W4LTJ	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N
318 N3ALN W4HY	307 KE5K NA5Z W3ATV W9RPM		288 K1NU N6AR W1DU W4HLR W7YA	277 AC7JM JR1LZK NS4T PV8DX
317 KA8SYV W1SKU W3HDH	306 K4QE K6RO N0LD WB0OQV WV9L XE1AO	298 AG1A KD4WSC N4IQ	287 K8DP KC7MRQ N8CGY	276 K2CS K5TWJ K7TAB W9OO
316 K3FN KA0ABA W4UCK W9BWR	305 K3VAT K6UM (CM88) KF2T KT1J WA9M	297 DK8NE KE8Y N8YQX N9LF	285 K5CZD K9UO WA4HFN	275 K1MAA K2NJ N4GG W0FK
315 K5VH NY2NY	304 K6IPF W4FC WA0GUD	296 K4XR K6YUI KC7RW	284 AB0RX K0KP K4DET KX7L NJ2F (EL96)	274 KB1DMX XE1YY
314 KU4XO VE3XN	303 EA8DBM K1ST K8TGC K8TL N7LAN	295 JG1TSG KE4P N7NT	283 K2BLA WA0FQK WB0CQO	273 KM4H KV1J VE6SH
313 K0TC N2ZZ N6NR N7UVH NF4A W4GLV W5RKN WA1NLG	302 KB2TGU N3KN W3TI	294 K6JSV	282 AA0ZP K0PG K5TA N8JCM W4WM	272 KF8QL KO4PRE N4SV
312 AF6O K1GJQ KA2GOJ	301 N0HJZ W7IB W9OBG WA8ZID WB0TVY	293 K2UU K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	281 K4OY NL7CO W2YE	271 K7NII KB7FUV KM3V W3HHN
311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH	292 KJ6P W1SSN	280 N0KV NM5Z	270 K4SPD KC9FQD KV7N N2LIV
310 N1NK NJ7G W9KVR		291 KS4S W1WHL W2CCC	279 AA8MA N3JPU	
		290 JE1BMJ		

W4QK W5DNT W7JY WZ9B	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
269 K2IE K3ZO KD5R KK0DX N5EPA N5WD VA2CY	260 K6JAD N6HC NT7C W0PR W3SW XE1YD	252 AB5A CT1EEB F4BKV K1ACL K3NK NN4RR VE6NTT	243 JA1QJI K3TC W4EJ YV1DIG	234 K5KEW KE6FCT
268 K6OJ N9ZTS W0KAN	259 K1BD KD4ADC KG6I KN5O NS7K NY1E VE6BMX WA4YA	251 AD5JK HC1BI K1NJ KG7NV NN4SS	242 K3WW KA3TCC	233 K1AFC N3AIU (DM45) N9NJS VE7VZ W3DF W8PAT W9TD XE1L
267 K0CAO KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	258 K2HAT NA2NY VE3MSC WB7ECS	250 AA9LC KL0S NW6R	241 N6NU W5LO	232 AI9L K5FO N0FJP N9NJY
266 K1OA K1WVX TG9AJR WB8EJN	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 K4MIJ K5VR K6HEW KF6GYM W9XT
265 N5KS W7CT WA8MCD		248 K1ZZ W6VFA	239 KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	230 K1ZE KO4MM VA3XJ WB0WAO/8
264 AC8L K4JAF N0TK NF1O	256 N8ZJN W9TA	246 JA1UAV K0DAS K8YC KK8X N5TIT VE6TA (DO33) W4FRA WI7P	238 AA3GM AE4WG JP1LRT MD0CCE	229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX
263 AK4PR K9AAA WB7QBS	255 JM1IGJ K8MVZ KG4JPL NI3K W0NOZ WA8KNE		237 K3KO	
262 K3CWH KD8JSP N4ST ND4DX WA0KBZ	254 N7QOZ VE3OTL WD5ITW	245 N1IA N3XF VA3CW	236 K0SU K4NK KB1HY N3FTI N9ATD W5AJX	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ

227 K3HPA K8ZT K9TF KS9A W4KXY W5LUA XE1GLL	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	VE3SMA W2ZDP W5HNK W6AER W6KAP	N8SYF NR0Q W1RM W9GFB W9VOB WA1KPD	XE2ED XE2W
226 AF5WN GD0TEP JM1SZY N7CNH N8UR NM5S W0VX W8RD WQ6Q	218 K1XH K4IJQ K5HPT KB8KVJ KC0VDY NA5C	210 K3MSB K9YC KL7NO N1SV N1TQ N6UK WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W JA7MSQ K2WJ K6VDP KG6WIK
225 AC9O K9QJ KX9X (EN50) N2WSY 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 K9MQ	216 K7RB N0IS 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 N5PA N6KW	207 N1BCL N8NJA		192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN
222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	214 KB9PJL PV8AZ VE3SYK WA7AJ	206 AB0CT AK4Y CT3MD K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	199 N3KFV NJ8J 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 N9ATF W8QID	198 AC8TO JR2HCB N0UK N7EPD NX0I WA7KYM	190 K5DB K5ER KC2DLD KK8MM N5SMQ N9UA W1ATV W2OO WB0DBS
220 K7BTW N7XCZ	212 AB5C JF8QNF KF7NN N2OA	203 DF3CB K0VSV K5HYT K5LOW N0HF	197 K3EGE N4BAF W3TW W5CTV	189 KC0MEA W3SZ WA5VKS

188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	KB8YKR N3XJX N4DTF N9MSG NY0A W4RBO W9BS WJ1B	WA5IPS WW2R	NY4I VE3HHT W8KNO WA3DRC	WB0WAO
187 AA8R KD3HN KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 PV8BR	168 KG5ZMQ W2PD W8WEJ	161 K4EA KB3CWQ 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 JA1AFR K5IQ N3FX
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 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 K8CR KI0D N2CG
183 K5RQ N0UBL W2UDT	176 AD5ZA EA5BY K0DI KX9X N5QGH NP4BM W5AFD	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	157 K4FX KB8GC KC2WUF WA7NB
182 AJ6T EM66 FP/KV1J K5GMX K8WK NZ1I XE1CL	170 K9TVG N4GBK N8CN NA2U W1MJC W4IHI W4JKC WK3V	163 K2JF K2YSY N5XZ	162 AF4GK K0QB KA1R KD4TDI N5SIX W9JJB W9VS WA1Z	156 K2KJ N3RN N9KO VE7VDX
181 AB9FN K4CMS K5HDE	169 K6XC KD5OMJ N2BEG N5XES N7PHY	155 AE4M K3TD K6XN N7AU N9OBE TG9ANF VA3NQ WV8DX	154 AE4NT KB9VMW KD2NF W3ZQN	153 AA4NC

AB4GG	VE3CX	K9ATX	K0XXX	WN6K
K7AD	W4YCC	KT8TD	K4SX	
K7ZD	W5WOX	N9FIV	KC5LK	131
KW0A	WA0VPJ	W4FS	KC9AXZ	K3NAT
N1OFZ	WA3YGQ	W4POT	KJ5RM	KG9R
N2ADV		W6ZI	KV1E	N2CJ
N6DHz	146	WB9WHQ	NO1R	
W3DQS	K2GW	WR7AY	W2JCN	130
W5FI	K8YTO		W4AVV	AB0X
W9ILY	KB0YH	140	W7UV	AK8CW
WB5ZAM	KB5ZEA	AC5DK	XE2JS	JA3LZS
	KC2TN	BA4SI		JR1BAS
152	KM5TY	CO2WF	135	K0GUR
AA6I	N4HID	CT1BWU	CU3EQ	K4JKB
N0RC	VA2RC	K1UO	K4MWB	KC4NX
N1NUM	VE1VOX	K7SAM	K8ZIZ	KE8RJU
N2WM		KC0MEZ	LY3W	NG9R
NU1T	145	KC8TMU	N4DB	VE1DX
UT7QF	KD7YZ	KJ4KVC	N8XE	VE2Tzt
W6IA	V31MD	N1EN	W6BXQ	W0PHX
WO4G	VA3TTX	N3VOP	WB8BZK	W2LES
	WA4JA	NJ0U	WW2DX	W3FEY
151		OE6IMD	XE1H	WA2SEI
KO0Z	144	VE3KY		WB4YDL
W1ZT	K0TLG	W4TUN	134	WW5W
W2DxE	K5TDW	W6DQ	AB1NS	
	K6JRA	WA4KXY	AB4GE	129
150	K8MN		C6ABB	8P6ET
N9LAH	K8WU	139	GM4UYE	JF4VZT
VE3OAT	N9DI	IZ8FFA	HK3W	K0KD
W7APM	W5MPC	KC7JPC	KE5FXE	K5QWO
	WO7GI	KU0G	N3AIU (DN70)	KC8KSK
149		N7T	N8GOU	KF4NEF
AB6CF	143	NA2AA	W4TKI	KM5LY
I0WTD	K0KVR	NZ6N	WA3WZR	KM5SC
K4SAN	K6JBH	W4OV		N9WBR
KK9H	K9QFR	WB2JIL	133	
W3UA	KB8RJS	WY0V	KA5ETS	128
WB4VHF	N8URE (FM19)		KC1RET	KC7QAG
	NA1VT	138	KE1VT	KJ6SDF
148	W0HNM	AC0XY	KM8V	KN4DMN
AC0DQ	W0UHL	AI6O	W0RT	N1SFE
AG0A	WB0MMC	JA6RJK	W4GE	W0WT
G0OIL	WM5H	KD7WPJ	WI5D	W5ZO
K0RU	142	KE0A	WW7Q	W8FR
K7IU	N2ZA	KE3D	XE2O	WB2WEO
KB2YSI	N5RMS	KE8RO		
N0TM	NA2X	KQ4KX	132	127
N5ZBI	NC4VA	N3XH	AB3CV	AA9RK
W6VNQ (CM88)	PV8AJ		IC8TEM	JR2LJO
WB6RAB	W5SWV	137	K5VG	K3GYK
	WA5TKU	N1SZ	KW4G	K7UV
147	WS4V	N5JGK	N4PPH	K8AC
AF6AV		SM7AED	N7TP	K8OS
IZ1LBG	141		N8IK	KB3OZC
K6PSP	K4AR	136	NE1I	KB9TLV
KC1BUF		AB1QB	VE3TM	KC0RQH

N6PM	122	118	VE3IRR	W7UP
N6UTC	K7AED	J68AS	W2JLK	109
NO8D	K7OGW	K4AZV	W2ZQ	AK6ZZ
VE2JWH	KA9JAC	KA4LBD	W4ALF	G4BWP
W1FLD	KB4UF	KF6MXK	W4UFO	IW1ARB
WA6BIL	KB5WFE	KI7BP	WO2C	K2DSW
126	KC5UGX	KT8X	WX4US	K2JGL
KJ7G	N5HYV	KW4BY	113	K2OO
N0BDS	VE6PY	N1QDQ	AB4PM	K5DNL
N7DGI	VE7JAC	N3JNX	AD5MD	K9GY
WB4HUC	WD0GTY	N5EIL	K3DQB	KE6GLA
YL2AO	121	TF3JB	KD4BPZ	KJ6CA
125	AE1P	W2AC / WB2ABK	KD6VCD	KZ7N
AA7DK	K0MFI	W2AC/WB2ABK	KM5OL	N8TMW
K3PU	K4HBI	WB2KSK	N3JDQ	N9TTX
KC5DRI	KB2WAL	117	N4YCI	VE3AAQ
W2AJM	KB5MH	AB5J	N5YK	W0YJT
W3UQH	KE4JFS	K4WS	W0BM	W1OP
W4DFU	NE0P/9	N4USG	W8MSP	W4ZRZ
WA6POZ	UR0MC	N5JEH*	W8VW	W5MPC/1
WB4OMM	W8DN	N5LPT	WD0ENC	W7RJR
WE1P	WB9TFH	NA7L	112	WB6YIY
124	120	NU6V	K2MLS	WB9W
K0DLW	EA1YO	W6WE	K3GD	108
K8VA	K2CYE	WA1TBV	K5WTA	CF3VRQ
KB0HH (EM06)	K4CGY	XE2PXN	KA7T	HB9BZA
KD5FTD	KD0R	116	N5HMH	JA9IPF
KM1C	KD4MZM	IK7EOT	W1TR	K5OPB
KT5MR	KD5BRF	K4RGN	W5DQ	N3MWQ
N0SL	KE4SCY (FM06)	KI6QDH	W6OAT	N5DD
N9AZZ	N3YPJ	KU5B	W7IV	VE3SUB
PV8AAS	VE1JC	N0VR	W9PN	VE7IG
W0PE	VE3XK	NO0B	WA8TWM	VY2RU
W1TAM	WA6RAY	W0DHB	WG3K	W4AMP
W7YM	WD4OHD	115	WX3P	W4CRN
W9CDL	119	K9MMS	XE1GK	W5AAJ
123	AE5AU	KE6TVM	111	W8EH
AC7AF	K0AWU	KF0QS	N0SLT	W9VNE
K9SM	K1ZN	KF9AF	PC3T	XE1R
KB0GT	K2SQS	KM5FA	W8GBH	107
KB0STN	K4MSG	N7VGO	WZ8P	JA3EGE
KG6DHQ	K7JIZ	VK9DX	110	K5UIC
VE3TG	KF7PCL	WA3BZT	EA4DEI	KF7PG
W1HS	KP3V	WC7V	K5KR	KI9A
W3SE	KT0P	114	K7LD	KK4LUM
W4PRZ	KW7N	AC8HU	KD5J	N3TTT
W5EWF	N4UPX	K2RET	KI0F	N9OI
W7MHW	W0QC	K3RTU	KP4JRS	NF0T
W8BI	W4SW	K9AAN	KQ4LA	US0KW
W8KHP	W5DM	KC4GCK	KX5U	W2ODH
WA8WV	W7QQ	KG9Z	N5TIF	W2TTT
WB2RVX	WI4T	NF8M	N5YM	WB4PPW
	WM9M	VE1WOW	W7JET	

106	N1LDY	VE7ZD	N3TBB	WW2R (EL09)
K0MEI	N2FBQ	W4RVZ	N4NIA	
K5BJW	N3UPS	W5DPT	N5RZK	98
K7BWH	N7AGF	W5OV	N5XTR	AC2RL
K7JE	NJ1H	W7UT	N7EME	AD8Y
KB0TIJ	VE2PIJ	W9NFL	N8COP	K0KC
KC7ICM	W1TE	WA8EQP	N8XS	K0UD
KE5JXC	W1ZE	WB5FDP	VP2MRM	K3IXD
KJ6MBW	W4KVS		W2CH	K3QIA
KK2DOG	W6ZQ	101	W4/KL7GLL	K4OP
N0RQ	W9EBK	AE7V	W4OZK	K5HOB
N1USB	W9MDB	K0SBV	W8BZY	KA1EKR
N2IPH	WB2VUO	K0WJ	W9DQ	KE4LGL
N4CE	WB8BZK/VE3	K2NUD	WA5TLP	KG4YOU
N5FPW	WL7OU	K5DWI	WV9E	KG7E
N5YHF		K5HX		KJ2G
N8HM	103	K7SYS	99	KK0CQ
N9XMU	AA5CK	KB1JDX	AB0SD	KY0Q
VA3OKG	AB0YM	KB4KBS	AB3TM	N0JJQ
VE3AJY	AB5SS	KC6AWX	K0YO	N1JHJ
WB6VYH	K2OY	KC8CSD	K4KEW	N3LRP
WQ9F	K4MVL	KG8WB	K4WQ	N5TEY
	K6USY	KG9IL	K4ZO	N8AID
105	K8ZEE	KL2R	K5VPQ	NO5X
AC4Q	KA1W	KR4WM	K7DD	NO8R
K4SJA	KB0FHP	KR7LD	K7PAP	VA3VF
K9MAL	KB2SGX	N1IX	K9ZZE	W2KRP
KB3JGS	KC9FFV	N4AOE	KA0ZEE	W6TE
KC0JYT	KF0AIJ	N8VEA	KC2IEB	WA2FGK
KC4KK	KF4DVG	N9DVS	KC6X	WA3TLT
KF4DGS	KR4NO	ON9CMR/WO	KD4MWO	WB1GQR
KJ7TH	N0YXE	VA2LGQ	KD6RUH	WB2YDS
N4NQY	N1JIF	W4LLP	KG9AP	WD0E
N5SAN	NF6P	W5KBD	KR4UA	WH6LR
N7YY	VE7DXG	W7ISG	M5MYH	WT5H
NE9O	W0TF	WB8IMY	N4FV	WV5Y
PU4JOE	W3LEO	WD5IYT	N5OHL	
VE3VRQ	W6IT		N7HRT	97
W8MIL	W6XU	100	N7JPF	AB8M
W9RVG		AC0FT	N7TE	AJ9C
WA4MYO	102	AI2S	N8GHZ	K0HB
	AA9MY	AI9U	N8YV	K0JQZ
104	AB8JH	K2UA	N9MKC	K0QEI
AB9YC	AD6KH	K4UQC	NB5R	K0SH
AC5K	K0HAQ	K5GM	NH6CJ	K0YQ
AC5RN	K3HW	K5KV	NI5W	K3HZO (FN20)
AC9QR	K9AM	K8IJ	NS2P	K4GTR
IK4DRY	K9OHI	K9CC	VE2HAY	K4JQU
K5PPP	KA3ZLS	KB9ZLB	W2HOG	K8XF
KB9RNO	KB8CR	KC2HLI	W2VU	KA2BSK
KC1LXO	KC6WFS	KC8CC	W5JLC	KA7EII
KC2TR	KC8DMN	KC9CMT	W6TJU	KC0YBM
KD9GKL	KD8NYO	KD3SW	WA1LAD	KD5CKP
KJ7OG	KE1AU	KE5CVM	WA5TRX	KF4KSN
KM6WXB	KJ4M	KF0Q	WB5NHX	KM4NYI
KO4LZ	KR5V	KG5X	WB7VVD	KT5WB
N0STP	N1HOQ	KJ5OA	WK5X	N1VMJ

N3UMA	W4KK	IK8YTA	K1ZK	KG4URP
N4BH	W4TMR	K0ARM	K2AK	KR7X
N5OTY	W7JHS	K3BEE	K2MTS	N2SG
N6MA	W8DM	K3TUF	K4DAM	N3GH
N9APK	WA3EEC	K4JRK	K5TRI	N4VN
N9IO	WB0M	K4LDC	K6RM	N5QO
N9KY	WB5KJE	K4NNX	K7IP	N6FD
NK7C	WP4LNY	K8GT	K7TRK	N6RPM
NU0Y		K9DOG	KB0USF	N7DED
VA3FIN	95	K9SUL	KC5TGT	NS6E
W3QT	AB9AI	KA2F	KC5TT	UT5JAJ
W4CWA	AE0G	KA9UVY	KC9TTR	W1PV
W4DAS	AE5EO	KB7AK	KC9UL	W2ACY
W4ID	K1PNQ	KC0AU	KD0QG	W2CVW
W7DN	K4ED	KC3AK	KE6AZX	W3ACO
WA6OSX	K8KFJ	KD4VRZ	KE6UMW	W3HZU
WA9LEY	K8ME	KE3WM	KE8RPJ	W4BP
WB8RVK	K8VD	KF0LA	KI0J	W4LIA
WB8ZTV	KD7WH	KG4NLZ	KK7MNC	W6NS
WB9PNU	KD8DR	KU4JZ	N2BX	W8JV
WE8L	KD9ZR	KV3W	N2YTF	WA3JKB
	KF6XA	N0LNE	N3AO	WA4EEZ
96	KI0SK	N0LP	N3ZBK	WM3O
AD5OW	KW9U	N1TOR	N4GOA	
AE4TQ	N1XK	N2SU	N4YHC	91
AK4F	N2SLO	N3JBH	N7EGY	AA0CW
HB9EFK	N2WLS	N3XBG	N7JI	AD3Y
K2CK	N3WAV	N3YUG	N7KSI	CO2WZ
K2UF	N4ET	N5ZMP	NA9D	K1UR
K2UNK	N5BLY	N6HY	VA7QI	K4SPA
K4EQH	N5ENU	N6MXU	VE3WMD	K6YK
K5CRJ	N5KI	N7NH	W0MHK	K7HPN
K8EMR	N9IV	N7UN	W2VTV	K8OI
K9OT	N9LJX	N8WWM	W3ZGD	KB2YWU
KA2NDX	VA3KS	N9DD	W4GPM	KB3IAI
KA3HED	VA3PZ	N9UNX	W4VG	KB3NDS
KB5GI	VE3KZ	VA3MA	W5DMT	KB7AZ
KB8PNS	VE3SPW	VE3RX	W5DWA	KC5POV
KC0HBP	W4YZJ	VE5MX	W7EIR	KC8LGL
KD6PY	W5ADA	VE7AB	W7TRX	KE1IU
KI5TE	W5CBF	W2GR	W9IFW	KE7RTB
KM2O	W5RCQ	W3IPA	W9NED	KG4QWC
KM5NU	W7JWC	W3TA	W9WI	KI3O
KS4V	W9SX	W4LNG	WA5ICA	KI5BLU
KT5RR	WA2ONK	W5ODD	WB5CON	KM7N
N0WVU	WA3I	W5PUF		KM9I
N2LID	WA4WR	WA7LHZ	92	KQ6K
N2VHZ	WB2SIH	WA9BXB	K1EY	N3PPH
N2XK	WD8DOT	WT9U	K5GDX	N3WCM
N8PAQ	WS4S	WV7S	K5TDA	N7CZ
N8YBY	XE2AT		K7FU	N8DEZ
NT2A		93	K7HKR	NR4J
NW5Q	94	AG2A	K7UWR	NU4N
NY2Z	AA4RP	AG6CV	KB0PQP	OE9KFV
VE2DCP	AB4VT	AI8F	KC4JNW	VA2BBW
W1HMM	AD1DX	K0IW	KD4QMY	W2SUB
W3VHF	HK4SAN	K1PTF	KE4WBO	W4MLN

W5KDA	KR4U	W4DL	K4LRP	K3RJK
WB0NRV	KT3X	W4RXR	KB3MXK	K4JMX
WB7X	N2GZ	W7HDD	KC0V	KA5WSS
WC4V	N5KAE	WA2BTR	KE4DRF	KC5YKX
XE1GZU	N8YSZ	WA5MD	KK4AND	KG4KVZ
	N9RG	WK3N	N2RJ	N1SF
90	N9UDX	WV8O	N4LS	PU8TEP
AA0LM	NE2U	XE1SOV	NJ1Q	W5DAS
AB4WL	VE3VCF		VE3GFN	W7YOZ
AB9DU	W0HRO	87	VE7DAY	W8GG
AF5BG	W1HY	AC0A	W1WV	WA2ONG
DL1SMA	W2JEK	AG4I	W3STU	
JH4JNG	W2OK	K4JC	W4IT	81
K1HC	W4ZMM	K5UZ	W4RA	AB4I
K1KA	W6VNZ	K5WO	W6ST	KE4DZU
K3CWF	W9HT	K6UIP	W7SIR	N6MM
K3UAL	WA7SDI	KB1VUN	W8DQ	N7NEV
K4AAP	WB3IAL	KC8NAH	W9QY	NI4Y
K4FTP	WM6Y	KE6WOX	WA4WKL	W3MC
K4XZ	WQ5C	KI6RRD	WD4LSS	WA4ZXV
K8EAB	WR5AY	N0ELA	WF4R	WA8ZNC
KA5TJI	XE2NL	N2CJN		XE1EE
KB5FHK	XE3DX	NA5DX	84	
KB7BSA		NE5S	CT3FT	80
KK4DZP	88	NI5F	K4EZY	AC6BW
KW3DX	AA4QE	NN7RM	KE6NDG	K7FR
N2ULL	AE0DX	W8GOC	N1KI	KE4PT
N4BRF	AE4OF	WB3IGR	N2NWS	KR4Q
N5BA	AF4MI	WB8JAY	VE2WBK	KW1DX
N9JJ	K1RS	WF4W	W8PU	N2NS
VA3XOV	K3TN	XE1RBV	W8SGR	UW5ZM
W9CPV	K4XD		ZS6NK	VY2HF
W9CSY	K7CTV	86		W5TTY
W9HBH	K7WV	AG1T	83	W6TCP
WA2BEV	K7ZYV	K7FB	AA6E	W7AM
WA8OJR	K9JF	KA9OKH	AC9GK	
WD9HCF	KB2KIR	KB7JJG	DL5XJ	79
WE7H	KC1GWX	KI6HQT	K1LH	K4RW
WEST SEATTLE AMATEUR	KE8UM	KN4MMH	K4SQC	K5JBT
WH6LE	KI2D	KP4TB	K6JJ	KB4DSL
WT4C	KI4RFM	KT1R	K8SIA	KP4N
XE3/K5ENS	KJ4KW	N2NF	KB3HHA	N2COP
	N0OK	N3MVF	KB9LIE	N5YJZ
89	N1CEO	N8TFD	KC1UYZ	N9RC
AB1TZ	N2MKT	NZ3O	KK7BV	VE3CFK
AG2AA	N2ZN	VA3MDB	KU4WW	W2GW
AG7NR	N4CAG	VA7LM	N6KTH	W2SKI
G4NBS	N4GN	VE7IRU	TG9AKH	WN0L
JQ1TIV	N4KIN	W8IW	W7USB	
K4BMM	N4UC	WA1PMA	WD6T	78
K5CX	N5VBK	WA4USA	WD9IOK	K2QPN
K5JAZ	NS3X	WB4GCS	WI6Z	TG9AWS
KA0MWA	NT4TN	XE2AU	XE1MM	W4NE
KF4TVL	VE2VLJ			
KI0G	W2BZR	85	82	77
KI4FW	W3YX	EI3IO	AD4IE	K1IFJ
KI4US		K1UU	CB0ZA	MI0AYR

76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	W4GP	UR9QQ	45 JA6WJL K4TXJ	32 DM2RM N3LRH SM6WET ZL3TE
75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL W4LVH W5UC WP4NEG ZL3AAU	69 K3WGR W1YM WD4LBR	58 HB9BIN KC6NBI SV8CS WA2MUA	44 WO3T XE2YWH/1	30 E72X JL3LSF JO7WXN WA6DNR
74 AK8B CX4AAJ KF2TI LU4FPZ TI2CDA VE6SO VK4CZ WC6DX	68 AA4S EH7CD K6CF KJ7TEA KW4OV	57 IK1ZOF JL1UXH N5LJL WD5GRW	43 8P6SH CT1EEN HB9RUZ K4ZIN SV2AEL	29 HL2WA OE4VIE SP5APW
73 G4FKA JF1IRW N6DW SV1RK VP2MJD W4WT	67 JG2TSL W7YED	56 KI5WA LU8ADX NI6T	41 N6PAZ	28 CT8/K0RUI JA6CRP K0FMI OH3DP
72 N4II PV8ADI	66 K6KLY KB4YKC KK4YEL	55 JL3MCM LA3MHA WA2EMF	40 E75AA JF1LMB JR0QFA OH4UI WB8TGY	27 E70A KC9ELU WP4NIX
71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	54 AG4KI	39 AA5PK YL2JZ	26 WB7QXU
70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO	64 K3BQ WD5GRW (EM13QO)	53 K0BBC PP1CZ	38 DD3KF DU1EV K8YSE VK5PJ	25 EA4/K1WE
	63 EA1DR KB0RFY	51 CT1ETE N3OFS VE9FCP	37 BA7NQ HA5PT JA9APS JH9DRL	24 EI2JD F1RAF F4BDG KS4YX LA6OP ON6AB PA7TWO
	62 HB9ALO HL2EIZ IZ8EDJ K4DXA N6ZDH SP5QWB	49 N8MR	36 JA1WSK	23 GM4ILS HB9G K4SLC KP4EIT W8MK
	61 CU3AN N0GVK US5WE UX1UA	48 G8BQX JA9KRO K0BBC/R KI5KC N6DBF NP3IR YY4DNN	35 GI4OWA LU9DO UR5WA	22 9H1SP IZ3ENH
	60 IZ4DPV KP4JFR S55DX	47 HB9RYZ HL2IFR JE1VTZ	34 G4SEU LA2QM	21 EA1YN
		46 LU2DX	33 W8GC WB4SON WB8TGY (EN72)	

20	K4WY PY2MC W4PWF	7	EA1AR EA4D G3LHJ GM4CFS GM4KHE 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 EA3WD EA4GQS G4VSS G6MXL G7SQS G8TTI IK5BSC IW0AFS IZ0BTW IZ2CSX IZ3DBA IZ5FSA JA1GZK JA7DPC JA7VXB JH8XVT JI1HNC JJ1PFC JL2ULM JN3ONX KC3KJQ KG4JSZ KH6WI KP4DER MM0INH OK1UU ON6NA OZ1IKY PU5SVE SM3GBA SM6LPG SP7EXY SQ5NRY UN8G UR5EDX VR2VGM WB7VUF YO8WW
CX1FK HL4CJG I1FQH JM1KVV N1WC OE3SGU PY5EW W8LR YL3HA	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	DH0GSU G8APB HB9GWJ IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX			
19	11	6			
DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHJ PY2DV PY2GM SP5XMU	CT2FEY DL1TRK DU0A EI2JC JA7NGE PY2VA			
18		5			
AJ6V KJ4EU W0HBH		DL5LH EA1AAA EA7ZY IK8GYS JI5USJ JJ1IDW KB8VAO M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ			
17	10		2		
G3LZQ PY2XAT W0JM	DL4CF HB9BOS JI2UDK PA5KT SV2DCD TF3Y UR7DWW		5B4ALJ 6K5XZE 7J1ADJ 9A2GA 9K2NO BV6CC CO6CBF DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL IK1IYU IK2GOQ IZ8XQC JA6AVT JA6SZV JA9FAI JH3MHI JP1HDK K7LY KEN IN NEBRASKA LA2CQ OH3KAV SV1XV SV3FUO YB2DX YL2KF		
16	9	4			
N6VHF	DL7BA EB1EWE EC7ZK G6BFP IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM	CT7/RC2A EK/RX3DPK F1DFR IV3GOW JG1JPE JH7IMX JH7IPR JK6DXD UT5EL VK4ZP XE1SAX			
15	8	3			
9K2BM EI2GLB HB9HIT HL4GAV LU5FF PY2RN SV8CKM UT3UA UX0DL WC2C	DK2LO JA1CPU JE3PCP JJ2NWI N8RO OH8LXT	DF1ZN DJ5AV DL2KQ			
14					
EA8MT HB9FMN JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY					
13					
JE2UFF					