

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

448 W3LPL	N9FN W3TC WB8ART	423 AJ4A W4DR	407 W4AS W5CIA W5PR	KT8O
447 AH0U K4HB KS7S N4SC	435 KF6A	422 VE6WQ WB5JID	406 AK3E K6FG K8EB N4UFO	393 K1GG K7XC W4TV
446 K1HTV K3SX 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	388 K0IP W4WRL
443 AB4IQ N4MM WB8ZBT XE2X	431 K0TLM	416 K4RWP K7ND KO4MA	403 AA1ON NH6T/W4	387 KV4T N4CH
442 KP4AJ N2QT	430 K1TEO KF8MY N5TJ	415 K5OMC K7AWB W0GJ WW1L	402 K3FM	386 N7IJ NN4R W5TFW W7AH WE4S
441 K8TB K9KLD KD3CQ	429 WA5JCI	414 K0DEQ N0GZ	401 K4CKS	385 NK1K VE6MB W4WTA
440 AG9S N4TL W2IRT WA1EAZ	428 K5RT K9APW N2NL	413 AE5FM WA9LFO	400 W0JRP W0RH W3UUM	384 AB4SF K8ROK W7FI
439 K8ZM WA9DU	427 N4LR	412 VE2XK 6M FN07PJN8IEZ W1NG	398 K7SMA	382 K5PI VE3YXO
438 K9MK	426 K4ZOT K8ZR N5OK W5JAY	411 N9EAT	397 K8JH	381 AG4W W3VZ
437 KK4MA	425 K6ML	410 K5XI KE7SW KE8KMX KI8G N4HN	396 K6VHF KB8U	380 K7MCX NE6I WA5LFD
436 N4QWZ	424 N4UFP N9AKR W3EP WB8BPU	409 N5SYV	395 AA5XE K0AZ KF7CQ	379 AB9BH KI0E
		408 W7BA	394 AA5JF K2TER	

KZ2I N8WNA W6TMD	KR4BD W7Yaq	VE3DS W0KKK W1DYJ WA9PWP XE2ML	337 K8ZES NU6S W9EWZ WA5RT WW0E	W8PI
378 WR7X	366 KI7JA			329 AA1QD N2JJ N8HRZ W2OR W8WG W9DCT W9XA WX4G
377 AB1OC NT9E	365 K4JJW K7XB KG7CW W4FC WB4EVH	351 AA4FL K5DTC	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA W8OP WO9S	
376 K8GI K8VfV N2WK N3OC	364 AB5EB K0RAR N6QQ	350 N6VI N8YO		328 K6ME N5PT W2CNS WB3LHD
375 K6QG WB4OQX	363 W4NH	349 KA0BAD	335 AK0MR K5FUV K5FZ K9QVB KB4MRX N3PS W9GKA WA7PDC	327 KJ5RC N0YO W2JU
374 KV7K N6GP N7DB	362 W1JR WA5OLT	346 W8LMG		326 K2ZD K6LMN K6TDI NG7M W7JLC WF7T
373 K4SSO NY1V	361 K8BL K9NR N1KDO N7MB N8KOL NG4C NI0P	345 KB1EFS VE7BV W3XY XE2YWH	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	325 WA2AEY WB4KTF
372 JA7QVI W5MO		344 AC9DX K6FW KB0PE N9XG W1OW	333 KM4HI KN4NN N0IGZ N6KZ W3GQ	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY
371 WA6BYA	360 AA4FF K6UM (CN85)	343 AB4EJ K5EK N3RC W2HRO	332 AA7UN N4JDB N7KDT VA3IKE VE1JBC W9GM	323 N8II W8KEN WO2T
370 K5TN KN4SM KS4YT N3MK NT0V	358 K5RLA K6EME KG8P NK0S	341 KD7DCR NX7U WA7YAZ		322 AA8SW VA6SZ
369 KF8UN N2DPF	357 K4LVV	340 KE4TH N0AN N8LRG		321 NC7B NS4C W9VA
368 K0DD KB0V W5RCI W6GMT	355 KD5XB	339 KE4BKL VA7FC W5VAS	331 K1GJQ K8WDA KC0UDO N4MW	
367 AA4ZZ KC4HW	353 AF2K K0CS	338 VE3SXE WA5KBH	330 KB8MBC KG6AY	

320 K0VG N4DW	WO4DX	299 N9JR VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA NQ7G W4LTJ	WA4NVM XE1FAS
319 N7US W4ER	309 AA4LR			278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N
318 N3ALN W4HY	307 KE5K NA5Z W3ATV W9RPM	298 AG1A KD4WSC N4IQ	288 K1NU N6AR W1DU W4HLR W7YA	
317 KA8SYV W1SKU W3HDH	306 K1ST K4QE K6RO N0LD WB0OQV WV9L	297 DK8NE KE8Y N8YQX N9LF	287 KC7MRQ N8CGY	277 AC7JM JR1LZK NS4T PV8DX
316 K3FN KA0ABA W4UCK W9BWR	305 K3VAT K6UM (CM88) KF2T KT1J WA9M	296 K4XR K6YUI KC7RW	285 K5CZD K9UO	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	283 K2BLA N7RO WA0FQK WB0CQO	274 KB1DMX WA8MCD XE1YY
313 K0TC N2ZZ N6NR N7UVH NF4A W4GLV W5RKN WA1NLG	302 KB2TGU N3KN W3TI	293 K2UU K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K0PG K5TA N8JCM W4WM	273 KM4H KV1J VE6SH
312 AF6O KA2GOJ	301 N0HJZ W7IB W9OBG WA8ZID WB0TVY	292 KJ6P W1SSN	281 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
310 N1NK NJ7G W9KVR		290 JE1BMJ WA8EFK	279 AA8MA N3JPU W0VHF (EL87) W8GJ	270 K4SPD KC9FQD KV7N N2LIV 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 W3SW XE1YD	252 AB5A CT1EEB F4BKV K1ACL K3NK NN4RR VE6NTT	243 JA1QJI K3TC W4EJ YV1DIG	234 KE6FCT
268 K6OJ N9ZTS W0KAN	259 K1BD KD4ADC KG6I KN5O NS7K NY1E VE6BMX W9TA WA4YA	251 AD5JK HC1BI K1NJ KG7NV NN4SS	242 AE4WG 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 K5KEW KL0S NW6R	241 N6NU W5LO	232 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 AI9L K4MIJ K5VR K6HEW KF6GYM W9XT
265 N5KS W7CT	256 N8ZJN	248 K1ZZ W6VFA	239 KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	230 K1ZE KO4MM VA3XJ WB0WAO/8
264 AC8L K4JAF N0TK NF1O	255 JM1IGJ K8MVZ KG4JPL NI3K W0NOZ WA8KNE	247 W3TEF	238 AA3GM JP1LRT MD0CCE	229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX
263 AK4PR K9AAA WB7QBS	254 N7QOZ VE3OTL WD5ITW	246 JA1UAV K0DAS K8YC KK8X N5TIT VE6TA (DO33) W4FRA WI7P	237 K3KO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ
262 K3CWH KD8JSP N4ST ND4DX WA0KBZ		245 N1IA N3XF VA3CW	236 K0SU K4NK KB1HY N3FTI N9ATD W5AJX	227 K3HPA

K8ZT	219	NE8S	K5HYT	K0NR
K9TF	K1DT	VE3SMA	K5LOW	N5DUW
KS9A	K2RKJ	W2ZDP	N0HF	W2AMR
W4KXY	KE5RV	W5HNC	N8SYF	XE2ED
W5LUA	W6DPD	W6AER	NR0Q	XE2W
XE1GLL	W7ZSL	W6KAP	W1RM	
	WB2WIH (FN20)		W3SZ	195
226		210	W9GFB	AA4W
AF5WN	218	K3MSB	W9VOB	JA7MSQ
GD0TEP	K1XH	K9YC	WA1KPD	K2WJ
JM1SZY	K4IJQ	KL7NO		K6VDP
N7CNH	K5HPT	N1SV	202	KG6WIK
N8UR	KB8KVJ	N1TQ	K1BZ	
NM5S	KC0VDY	N6UK	K5GJR	194
W0VX	NA5C	WQ9T	WC7X	K2MRK
W8RD			WF8Z	K3EA
WQ6Q	217	209	WQ5W	N3FA
	ND4V	AA4IB		N9NFT
225	W4DEE	W5WGF	201	WF1H
AC9O		WA4NFO	AA7WB	WK8A
K9QJ	216	XE2N	KC5FP	
KX9X (EN50)	K7RB		KO9V	193
N2WSY	N0IS	208	KR0I	K7PT
W8AKS	N6PM	AI2N	NN0K	K9AB
WN6W	NE1F	CO8DM	NR2C	
	W4HFZ	KD5HIO	WA1MKE	192
224	W5RWF	PV8ABC	WA9ASZ	N1LF
IT9IPQ	WA2OTC			N2NB
JA8ISU		207	200	N3CAL
K9MQ	215	N1BCL	4A2MAX	N3NR
NJ8J	AL7OC	N8NJA	K4YJ	N4LXB
	K2SX		N5AO	N4TV
223	KI5FJ	206	N9AG	W6MTR
K7UA	N2YU	AB0CT	VA3VU	W8FN
NJ7A	N5PA	AK4Y	W1AW	
	N6KW	CT3MD		191
222		K4GHS	199	K0ITC
K0YY	214	K9YC (EN61)	N3KFV	K9CS
K2TV	KB9PJL	KB0LYL	W4OEP	KK6OH
K3AJ	PV8AZ	NA5Q	WB0YEA	N9AMW
KA1LMR	VE3SYK	W0BNE		WA2BKN
KD4K	WA7AJ	W4EJG	198	WA5CAM
WA2BOT		XE1J	AC8TO	WD4JHD
	213		JR2HCB	
221	K3DFL	205	N0UK	190
K5WMH	KI6X	AF4OD	N7EPD	K5DB
K6CQR	W0NBC	K8SD	NX0I	K5ER
N0PSJ		KE4HOA	WA7KYM	KC2DLD
N4ION	212	N5ITO		KK8MM
N5UWY	AB5C	N9ATF	197	N5SMQ
W4IFI	JF8QNF	W8QID	K3EGE	N9UA
W5JMW	JR3REX		N4BAF	W1ATV
	KF7NN	204	W3TW	W2OO
220	N2OA	WA3DRC	W5CTV	WB0DBS
K7BTW				
N7XCZ	211	203	196	189
	K9FOH	K0VSV	K0AIZ	KC0MEA

WA5VKS	K4CMS	NP4BM	N5XES	W9VS
188	K5HDE	W5AFD	N7PHY	WA1Z
AD7KI	KB8YKR	WA5IPS	NY4I	WB0WAO
KD4HLG	N3XJX	WW2R	VE3HHT	
W4AZR	N4DTF		W8KNO	161
WA7VHF	N9MSG	175		K4EA
WU9Q	NY0A	PV8BR	168	KB3CWQ
WX9M	W4RBO		KG5ZMQ	N2YBB
	W9BS	174	W2PD	V44KAI
	WJ1B	K3MD	W8WEJ	VE3LC
187		K6WRL		W4HOG
AA8R	180	KC6ZWT	167	
KD3HN	K0OST	KG7P	K4MQG	160
KQ0J	K4LYN	KU0A	KB1YNT	AB1QB
	KC1MMC	N1MGO	KE5EP	JA1AFR
186	N1RK	NA2NY (ex-NA1VT)	LU4FW	K5IQ
DJ5FI	N6PEQ	NA6O	N0NHW	
K6ZZ	N6VH	W3SO	NO0T	159
K8PT	W5HI	WA2PNI	TG9ADQ	G0OIL
K9SG			W1BAT	K4MZ
KN4PPD	179	173		NS7B
KN7K	K1EP	K2ZZ	166	W1EME
N0XLR	KU4WD	K5YPV	JA1OVD	W4TTO
N6ZE	N0LIE	KE4SCY	KC2GHT	WB8NUT
	N0MMA		N5VU	
185	NH7RO	172	NC4RY	158
AD6W	VA3DPB	AB9KZ	VA3WEB	K8CR
KD5BQT	W8LHP	K5ZED	WB4KXS	KI0D
KU4UC	WA4QMQ	KI4PKW		N2CG
NA2R		KJ6HI	165	
PY5CC	178	VE2PN	K4DXT	157
W3OU	KA2AYR	W4ABC	KD5HPT	K4FX
W5BPT	KB0EO		N1JFU	KB8GC
	KB1RZA	171	W0RIC	KC2WUF
184	KG5RJ	AA4PB		WA7NB
4O3A	N1ZUK	HP2AT	164	
AF5Q	NQ2O	KC5GSK	K2SD	156
K0DEW	VE3NRT	KC5YCH	K5VWW	K2KJ
KR4M	W0ZY	KI4TZ	KD0UHN	N3RN
N1IBM	W1MAD	NS3L	KF9US	N9KO
N4BG	W9JJ	W1PX	W4CSW	VE7VDX
	WY7FD	WA2KBZ	WK7G	
183			WQ7F	155
K5RQ	177	170		AE4M
N0UBL	AG4ZE	K9TVG	163	CT1BWU
W2UDT	K2QQ	N4GBK	K2JF	K3TD
	KI4BWW	N8CN	K2YSY	K6XN
182	SM7FJE	NA2U	N3FX	N7AU
AJ6T CM87	W5ZG	W1MJC	N5XZ	N9OBE
FP/KV1J	WA8UEG	W4IHI		TG9ANF
K5GMX		W4JKC	162	VA3NQ
K8WK	176	WK3V	AF4GK	WV8DX
NZ1I	AD5ZA		K0QB	
XE1CL	EA5BY	169	KA1R	154
	K0DI	K6XC	KD4TDI	AE4NT
181	KX9X	KD5OMJ	N5SIX	I0WTD
AB9FN	N5QGH	N2BEG	W9JJB	KB9VMW

KD2NF W3ZQN	IZ1LBG K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	141 K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WR7AY	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS	WN6K
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	135 CU3EQ K4MWB K8ZIZ LY3W N4DB N8XE W6BXQ WB8BZK WW2DX XE1H	131 K3NAT KG9R N2CJ
152 AA6I N0RC N1NUM N2WM NU1T UT7QF W6IA WO4G	145 KD7YZ V31MD VA3TTX WA4JA			130 AB0X JA3LZS JR1BAS K0GUR K4JKB K8LG KC4NX NG9R VE1DX VE2TZZ W0PHX W2LES W3FEY WA2SEI WB4YDL WW5W
151 K00Z OE6IMD W1ZT W2DXE	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI	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				
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 KE8RO KQ4KX N3XH	133 KA5ETS KC1RET KE1VT KM8V W0RT W4GE WI5D WW7Q XE2O	128 KC7QAG KJ6SDF KN4DMN N1SFE W0WT W5ZO W8FR WB2WEO
148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N5ZBI W6VNIQ (CM88) WB6RAB	142 N2ZA N5RMS NA2X NC4VA PV8AJ W5SWV WA5TKU WS4V	137 N1SZ N5JGK SM7AED	132 AB3CV IC8TEM K5VG KW4G N4PPH N7TP N8IK NE1I VE3TM	127 AA9RK JR2LJO K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N6UTC
147 AF6AV				

NO8D	KA9JAC	KA4LBD	W2ZQ	109
VE2JWH	KB4UF	KF6MXK	W4ALF	AK6ZZ
W1FLD	KB5WFE	KI7BP	W4UFO	G4BWP
WA6BIL	KC5UGX	KT8X	WO2C	IW1ARB
126	N5HYV	KW4BY	WX4US	K2DSW
KJ7G	VE6PY	N1QDQ	113	K2JGL
N0BDS	VE7JAC	N3JNX	AB4PM	K2OO
N7DGI	WD0GTY	N5EIL	AD5MD	K5DNL
WB4HUC	121	TF3JB	K3DQB	K9GY
YL2AO	AE1P	W2AC / WB2ABK	KD4BPZ	KE6GLA
125	K0MFI	W2AC/WB2ABK	KD6VCD	KJ6CA
AA7DK	K4HBI	WB2KSK	KM5OL	KZ7N
K3PU	KB2WAL	117	N3JDQ	N8TMW
KC5DRI	KB5MH	AB5J	N4YCI	N9TTX
W2AJM	KE4JFS	K4WS	N5YK	VE3AAQ
W3UQH	NE0P/9	N4USG	W0BM	W0YJT
W4DFU	UR0MC	N5JEH*	W8MSP	W1OP
WA6POZ	W8DN	N5LPT	W8VW	W4ZRZ
WB4OMM	WB9TFH	NA7L	WD0ENC	W5MPC/1
WE1P	120	NU6V	112	W7RJR
124	EA1YO	W6WE	K2MLS	WB6YIY
K0DLW	K2CYE	WA1TBV	K3GD	WB9W
KB0HH (EM06)	K4CGY	XE2PXN	K5WTA	108
KD5FTD	KD0R	116	KA7T	CF3VRQ
KM1C	KD4MZM	IK7EOT	N5HMH	HB9BZA
KT5MR	KD5BRF	K4RGN	W1TR	JA9IPF
N0SL	KE4SCY (FM06)	KI6QDH	W5DQ	JP7EIP
N9AZZ	N3YPJ	KU5B	W6OAT	K5OPB
PV8AAS	VE1JC	N0VR	W7IV	N3MWQ
W0PE	VE3XK	NO0B	W9PN	N5DD
W1TAM	WA6RAY	W0DHB	WA8TWM	VE3SUB
W7YM	WD4OHD	115	WG3K	VY2RU
W9CDL	119	K9MMS	WX3P	W4AMP
123	AE5AU	KE6TVM	XE1GK	W4CRN
AC7AF	K0AWU	KF0QS	111	W5AAJ
K9SM	K1ZN	KF9AF	N0SLT	W8EH
KB0GT	K2SQS	KM5FA	PC3T	W9VNE
KB0STN	K4MSG	N7VGO	W8GBH	XE1R
KG6DHQ	K7JIZ	UW5ZM	WZ8P	107
VE3TG	KF7PCL	VK9DX	110	JA3EGE
W1HS	KP3V	WA3BZT	EA4DEI	K5UIC
W3SE	KT0P	WC7V	K5KR	KF7PG
W4PRZ	KW7N	114	K7LD	KI9A
W5EWF	N4UPX	AC8HU	KD5J	KK4LUM
W7MHW	W0QC	K2RET	KI0F	N3TTT
W8BI	W4SW	K3RTU	KP4JRS	N9OI
W8KHP	W5DM	K9AAN	KQ4LA	NF0T
WA8WV	W7QQ	KC4GCK	KX5U	US0KW
WB2RVX	WI4T	KG9Z	N5TIF	W2TTT
122	WM9M	NF8M	N5YM	WB4PPW
K7AED	118	VE1WOW	W7JET	106
K7OGW	J68AS	VE3IRR	W7UP	K0MEI
	K4AZV	W2JLK		K5BJW

K7BWH	N3UPS	W5DPT	N3TBB	WW2R (EL09)
K7JE	N7AGF	W5OV	N4NIA	
KB0TIJ	NJ1H	W7UT	N5RZK	98
KC7ICM	VE2PIJ	W9NFL	N5XTR	AC2RL
KE5JXC	W1TE	WA8EQP	N7EME	AD8Y
KJ6MBW	W1ZE	WB5FDP	N8COP	K0KC
KK2DOG	W4KVS		N8XS	K0UD
N0RQ	W6ZQ	101	VP2MRM	K3IXD
N1USB	W9EBK	AE7V	W2CH	K3QIA
N2IPH	W9MDB	K0IN	W4/KL7GLL	K4OP
N4CE	WB2VUO	K0SBV	W4OZK	K5HOB
N5FPW	WB8BZK/VE3	K0WJ	W8BZY	KA1EKR
N5YHF	WL7OU	K2NUD	W9DQ	KE4LGL
N8HM		K5DWI	WA5TLP	KG4YOU
N9XMU	103	K5HX	WV9E	KG7E
VA3OKG	AA5CK	K7SYS		KJ2G
VE3AJY	AB0YM	KB1JDX	99	KK0CQ
WB6VYH	AB5SS	KB4KBS	AB0SD	KY0Q
WQ9F	K2OY	KC6AWX	AB3TM	N0JJQ
	K4MVL	KC8CSD	K0YO	N1JHJ
105	K6USY	KG8WB	K4KEW	N3LRP
AC4Q	K8ZEE	KG9IL	K4WQ	N5TEY
DS4EOI	KA1W	KL2R	K4ZO	N8AID
K4SJA	KB0FHP	KR4WM	K5VPQ	NO5X
K9MAL	KB2SGX	KR7LD	K7DD	NO8R
KB3JGS	KC9FFV	N1IX	K7PAP	VA3VF
KC0JYT	KF0AIJ	N4AOE	K9ZZE	W2KRP
KC4KK	KF4DVG	N8VEA	KA0ZEE	W6TE
KF4DGS	KR4NO	N9DVS	KC2IEB	WA2FGK
KJ7TH	N0YXE	ON9CMR/W0	KC6X	WA3TLT
N4NQY	N1JIF	VA2LGQ	KD4MWO	WB1GQR
N5SAN	NF6P	W4LLP	KD6RUH	WB2YDS
N7YY	VE7DXG	W5KBD	KG9AP	WD0E
NE9O	W0TF	W7ISG	KR4UA	WH6LR
PU4JOE	W3LEO	WA4HFN	M5MYH	WT5H
VE3VRQ	W6IT	WB8IMY	N4FV	WV5Y
W8MIL	W6XU	WD5IYT	N5OHL	
W9RVG			N7HRT	97
WA4MYO	102	100	N7JPF	AB8M
	AA9MY	AC0FT	N7TE	AJ9C
104	AB8JH	AI2S	N8GHZ	K0HB
AB9YC	AD6KH	AI9U	N8YV	K0JQZ
AC5K	K0HAQ	K2UA	N9MKC	K0QEI
AC5RN	K3HW	K4UQC	NB5R	K0SH
AC9QR	K9AM	K5GM	NH6CJ	K0YQ
IK4DRY	K9OHI	K5KV	NI5W	K3HZO (FN20)
K5PPP	KA3ZLS	K8IJ	NS2P	K4GTR
KB9RNO	KB8CR	K9CC	VE2HAY	K4JQU
KC1LXO	KC6WFS	KB9ZLB	W2HOG	K8XF
KC2TR	KC8DMN	KC2HLI	W2VU	KA2BSK
KD9GKL	KD8NYO	KC8CC	W5JLC	KA7EII
KJ7OG	KE1AU	KC9CMT	W6TJU	KC0YBM
KM6WXB	KJ4M	KD3SW	WA1LAD	KD5CKP
KO4LZ	KR5V	KE5CVM	WA5TRX	KF4KSN
N0STP	N1HOQ	KF0Q	WB5NHX	KM4NYI
N1LDY	VE7ZD	KG5X	WB7VVD	KT5WB
N2FBQ	W4RVZ	KJ5OA	WK5X	N1VMJ

N3UMA	W4KK	HK4SAN	K1PTF	KE4WBO
N4BH	W4TMR	IK8YTA	K1ZK	KG4URP
N6MA	W7JHS	K0ARM	K2AK	KR7X
N9APK	W8DM	K3BEE	K2MTS	N2SG
N9IO	WA3EEC	K3TUF	K4DAM	N3GH
N9KY	WB0M	K4JRK	K5TRI	N4VN
NK7C	WB5KJE	K4LDC	K6RM	N5QO
NU0Y	WP4LNY	K4NNX	K7IP	N6FD
VA3FIN		K8GT	K7TRK	N6RPM
W3QT	95	K9DOG	KB0USF	N7DED
W4CWA	AB9AI	K9SUL	KC5TGT	NS6E
W4DAS	AE0G	KA2F	KC5TT	UT5JAJ
W4ID	AE5EO	KA9UVY	KC9TTR	W1PV
W7DN	K1PNQ	KB7AK	KC9UL	W2ACY
WA6OSX	K4ED	KC0AU	KD0QG	W2CVW
WA9LEY	K8KFJ	KC3AK	KE6AZX	W3ACO
WB8RVK	K8ME	KD4VRZ	KE6UMW	W3HZU
WB8ZTV	K8VD	KE3WM	KE8RPJ	W4BP
WB9PNU	KD7WH	KF0LA	KI0J	W4LIA
WE8L	KD8DR	KG4NLZ	KK7MNC	W6NS
	KD9ZR	KU4JZ	N2BX	W8JV
96	KF6XA	KV3W	N2YTF	WA3JKB
AD5OW	KI0SK	N0LNE	N3AO	WA4EEZ
AE4TQ	KW9U	N0LP	N3ZBK	WM3O
AK4F	N1XK	N1TOR	N4GOA	
HB9EFK	N2SLO	N2SU	N4YHC	91
K2CK	N2WLS	N3JBH	N7EGY	AA0CW
K2UF	N3WAV	N3XBG	N7JI	AD3Y
K2UNK	N4ET	N3YUG	N7KSI	CO2WZ
K4EQH	N5BLY	N5ZMP	NA9D	K1UR
K5CRJ	N5ENU	N6HY	VA7QI	K4SPA
K8EMR	N5KI	N6MXU	VE3WMD	K6YK
K9OT	N9IV	N7NH	W0MHK	K7HPN
KA2NDX	N9LJX	N7UN	W2VTV	K8OI
KA3HED	VA3KS	N8WWM	W3ZGD	KB2YWU
KB5GI	VA3PZ	N9DD	W4GPM	KB3IAI
KB8PNS	VE3KZ	N9UNX	W4VG	KB3NDS
KC0HBP	VE3SPW	VA3MA	W5DMT	KB7AZ
KD6PY	W4YZJ	VE3RX	W5DWA	KC5POV
KI5TE	W5ADA	VE5MX	W7EIR	KC8LGL
KM2O	W5CBF	VE7AB	W7TRX	KE1IU
KM5NU	W5RCQ	W2GR	W9IFW	KE7RTB
KR4EE	W7JWC	W3IPA	W9NED	KG4QWC
KS4V	W9SX	W3TA	W9WI	KI3O
KT5RR	WA2ONK	W4LNG	WA5ICA	KI5BLU
N0WVU	WA3I	W5ODD	WB5CON	KM7N
N2LID	WA4WR	W5PUF		KM9I
N2VHZ	WB2SIH	WA7LHZ	92	KQ6K
N2XK	WD8DOT	WA9BXB	K1EY	N3PPH
N8PAQ	WS4S	WT9U	K5GDX	N3WCM
N8YBY	XE2AT	WV7S	K5TDA	N6DW
NT2A			K7FU	N7CZ
NW5Q	94	93	K7HKR	N8DEZ
NY2Z	AA4RP	AG2A	K7UWR	NR4J
VE2DCP	AB4VT	AG6CV	KB0PQP	NU4N
W1HMM	AD1DX	AI8F	KC4JNW	OE9KFV
W3VHF	AK8CW	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	TG9AWS
KF4TVL	VE2VLJ	85		W4NE
KI0G		EI3IO		

77 K1IFJ MIOAYR	N6GEO W2QO W4GP	S55DX UR9QQ	45 JA6WJL K4TXJ	32 DM2RM N3LRH 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 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 JL3MCM LA3MHA WA2EMF	40 E75AA JF1LMB JR0QFA OH4UI 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 WB7QXU
70 GI4SJQ K4BNC KC0ZRX	63 EA1DR KB0RFY	51 CT1ETE N3OFS VE9FCP	37 BA7NQ HA5PT JA9APS JH9DRL	25 EA4/K1WE
	62 HB9ALO HL2EIZ IZ8EDJ K4DXA N6ZDH SP5QWB	49 N8MR	36 JA1WSK	24 EI2JD F1RAF F4BDG KS4YX ON6AB PA7TWO
	61 CU3AN N0GVK US5WE UX1UA	48 G8BQX JA9KRO K0BBC/R KI5KC N6DBF NP3IR YY4DNN	35 GI4OWA LU9DO UR5WA	23 GM4ILS HB9G K4SLC KP4EIT W8MK
	60 IZ4DPV KP4JFR	47 HB9RYZ HL2IFR JE1VTZ	34 G4SEU LA2QM	22 9H1SP IZ3ENH OE3SGU
		46 LU2DX	33 W8GC WB4SON WB8TGY (EN72)	

21 EA1YN	13 JE2UFF K4WY PY2MC W4PWF	7 DH0GSU G8APB HB9GWJ IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX	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 DS5TOS EA3WD EA4GQS F1VEV G4VSS G6MXL G7SQS G8TTI IK5BSC IW0AFS IZ0BTB 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 YO8WW
20 CX1FK HL4CJG I1FQH JM1KVV N1WC PY5EW W8LR YL3HA	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	6 CT2FEY DL1TRK DU0A EI2JC JA7NGE PY2VA		
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	2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF 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 SV3FUO YB2DX YL2KF	
18 AJ6V HL4GAV KJ4EU W0HBH				
17 G3LZQ PY2XAT W0JM	10 DL4CF HB9BOS JI2UDK PA5KT SV2DCD TF3Y UR7DWW	4 CT7/RC2A EK/RX3DPK F1DFR IV3GOW JG1JPE JH7IMX JH7IPR JK6DXD UT5EL VK4ZP XE1SAX		
16 N6VHF TI2CDA				
15 9K2BM EI2GLB HB9HIT LU5FF PY2RN SV8CKM UT3UA WC2C	9 DL7BA EB1EWE EC7ZK G6BFP IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM	3 DF1ZN DJ5AV DL2KQ		
14 EA8MT HB9FMN JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	8 DK2LO JA1CPU JE3PCP JJ2NWI N8RO OH8LXT			