

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 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 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 VE3SXE WA5KBH	330 KB8MBC KG6AY W8PI
378 WR7X	366 KI7JA		337 K8ZES NU6S W9EWZ WA5RT WW0E	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	346 W8LMG	335 AK0MR K5FUV K5FZ K9QVB KB4MRX N3PS W9GKA WA7PDC	327 KJ5RC N0YO W2JU
374 KV7K N6GP N7DB	362 W1JR WA5OLT	345 KB1EFS VE7BV W3XY XE2YWH		326 K2ZD K6LMN K6TDI NG7M W7JLC WF7T
373 K4SSO NY1V	361 K8BL K9NR N1KDO N7MB N8KOL NG4C NI0P	344 AC9DX K6FW KB0PE N9XG W1OW	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	
372 JA7QVI W5MO		343 AB4EJ K5EK N3RC W2HRO		325 WA2AEY WB4KTF
371 WA6BYA	360 AA4FF K6UM (CN85)		333 KM4HI KN4NN N0IGZ N6KZ W3GQ	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY
370 K5TN KN4SM KS4YT N3MK NT0V	358 K5RLA K6EME KG8P NK0S	341 KD7DCR NX7U WA7YAZ	332 AA7UN N4JDB N7KDT VA3IKE VE1JBC W9GM	
369 KF8UN N2DPF	357 K4LVV	340 KE4TH N0AN N8LRG		323 N8II W8KEN WO2T
368 K0DD KB0V W5RCI W6GMT	355 KD5XB	339 KE4BKL VA7FC W5VAS	331 K1GJQ K8WDA KC0UDO N4MW	322 AA8SW VA6SZ
	353 AF2K K0CS			321 NC7B

NS4C W9VA	310 N1NK NJ7G W9KVR WO4DX	N1RR WA2BAH WX0Z WX2S	290 JE1BMJ WA8EFK	279 AA8MA N3JPU W0VHF (EL87) W8GJ WA4NVM XE1FAS
320 K0VG N4DW	309 AA4LR	299 N9JR VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA NQ7G W4LTJ	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N
319 N7US W4ER	307 KE5K NA5Z W3ATV W9RPM	298 AG1A KD4WSC N4IQ	288 K1NU N6AR W1DU W4HLR W7YA	277 AC7JM JR1LZK NS4T PV8DX
318 N3ALN W4HY	306 K1ST K4QE K6RO N0LD WB0OQV WV9L	297 DK8NE KE8Y N8YQX N9LF	287 KC7MRQ N8CGY	
317 KA8SYV W1SKU W3HDH	305 K3VAT K6UM (CM88) KF2T KT1J WA9M	296 K4XR K6YUI KC7RW	285 K5CZD K9UO	276 K2CS K5TWJ K7TAB W9OO
316 K3FN KA0ABA W4UCK W9BWR	304 K6IPF WA0GUD	295 JG1TSG KE4P N7NT	284 AB0RX K0KP K4DET KX7L NJ2F (EL96)	275 K1MAA K2NJ N4GG W0FK
315 K5VH NY2NY XE1AO	303 EA8DBM K8TGC K8TL N7LAN	294 K6JSV	283 K2BLA N7RO WA0FQK WB0CQO	274 KB1DMX WA8MCD XE1YY
314 KU4XO VE3XN	302 KB2TGU N3KN W3TI	293 K2UU K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K0PG K5TA N8JCM W4WM	273 KM4H KV1J VE6SH
313 K0TC N2ZZ N6NR N7UVH NF4A W4GLV W5RKN WA1NLG	301 N0HJZ W7IB W9OBG WA8ZID WB0TVY	292 KJ6P W1SSN	281 K4OY NL7CO W2YE	272 KF8QL KO4PRE N4SV
312 AF6O KA2GOJ	300 AA4V K0PHP K0SRL KB6VFC	291 KS4S W1WHL W2CCC	280 N0KV NM5Z W1FKF	271 K7NII KB7FUV KM3V W3HHN

270 K4SPD KC9FQD KV7N N2LIV W4QK W5DNT W7JY WZ9B	KD8JSP N4ST ND4DX WA0KBZ	254 N7QOZ VE3OTL WD5ITW	245 N1IA N3XF VA3CW	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 NN9X VO1GO WB6RJH WT2P WZ9W
268 K6OJ N9ZTS W0KAN	260 K6JAD N6HC NT7C W3SW XE1YD	252 AB5A CT1EEB F4BKV K1ACL K3NK NN4RR VE6NTT	243 JA1QJI K3TC W4EJ YV1DIG	234 KE6FCT
267 K0CAO 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) 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 N5PA 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 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		246 JA1UAV K0DAS K8YC KK8X N5TIT VE6TA (DO33) W4FRA WI7P	237 K3KO	228 K5RUS

K7HSJ KF2ZQ N8AIA W5HEZ	W4IFI W5JMW	JR3REX KF7NN N2OA	204 WA3DRC	W3TW W5CTV
227 K3HPA K8ZT K9TF KS9A W4KXY W5LUA XE1GLL	220 K7BTW N7XCZ	211 K9FOH NE8S VE3SMA W2ZDP W5HNC W6AER W6KAP	203 K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM W3SZ W9GFB W9VOB WA1KPD	196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W
226 AF5WN GD0TEP JM1SZY N7CNH N8UR NM5S W0VX W8RD WQ6Q	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	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	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 K9MQ NJ8J	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 WA7KYM	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD
221 K5WMH K6CQR N0PSJ N4ION N5UWY	214 KB9PJL PV8AZ VE3SYK WA7AJ	205 AF4OD K8SD KE4HOA N5ITO N9ATF 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	K8CR
W5BPT	KA2AYR	KI4PKW		KI0D
	KB0EO	KJ6HI	165	N2CG
	KB1RZA	VE2PN	K4DXT	
184	KG5RJ	W4ABC	KD5HPT	157
4O3A	N1ZUK		N1JFU	K4FX
AF5Q	NQ2O	171	W0RIC	KB8GC
K0DEW	VE3NRT	AA4PB		KC2WUF
KR4M	W0ZY	HP2AT	164	WA7NB
N1IBM	W1MAD	KC5GSK	K2SD	
N4BG	W9JJ	KC5YCH	K5VWW	156
	WY7FD	KI4TZ	KD0UHN	K2KJ
183		NS3L	KF9US	N3RN
K5RQ	177	W1PX	W4CSW	N9KO
N0UBL	AG4ZE	WA2KBZ	WK7G	VE7VDX
W2UDT	K2QQ		WQ7F	
182	KI4BWW	170		155
AJ6T CM87	SM7FJE	K9TVG	163	AE4M
FP/KV1J	W5ZG	N4GBK	K2JF	CT1BWU
K5GMX	WA8UEG	N8CN	K2YSY	K3TD
K8WK		NA2U	N3FX	K6XN
		W1MJC	N5XZ	N7AU
		W4IHI		N9OBE
		W4JKC		TG9ANF

VA3NQ	N0TM	N5RMS	N3XH	K5VG
WV8DX	N5ZBI	NA2X		KW4G
	W6VNIQ (CM88)	NC4VA	137	N4PPH
154	WB6RAB	PV8AJ	N1SZ	N7TP
AE4NT		W5SWV	N5JGK	N8IK
I0WTD	147	WA5TKU	SM7AED	NE1I
KB9VMW	AF6AV	WS4V		VE3TM
KD2NF	IZ1LBG		136	WN6K
W3ZQN	K6PSP	141	K0XXX	
	KC1BUF	K4AR	K4SX	131
153	VE3CX	K9ATX	KC5LK	K3NAT
AA4NC	W4YCC	KT8TD	KC9AXZ	KG9R
AB4GG	W5WOX	N9FIV	KJ5RM	N2CJ
K7AD	WA0VPJ	NV4B	KV1E	
K7ZD	WA3YGQ	W4FS	NO1R	130
N1OFZ		W4POT	W2JCN	AB0X
N2ADV	146	W6ZI	W4AVV	JA3LZS
N6DHz	K2GW	WB9WHQ	W7UV	JR1BAS
W3DQS	K8YTO	WR7AY	XE2JS	K0GUR
W5FI	KB0YH			K4JKB
W9ILY	KB5ZEA	140	135	K8LG
WB5ZAM	KC2TN	AC5DK	CU3EQ	KC4NX
	KM5TY	BA4SI	K4MWB	NG9R
152	N4HID	CO2WF	K8ZIZ	VE1DX
AA6I	VA2RC	K1UO	LY3W	VE2Tzt
N0RC	VE1VOX	K7SAM	N4DB	W0PHX
N1NUM		KC0MEZ	N8XE	W2LES
N2WM	145	KC8TMU	W6BXQ	W3FEY
NU1T	KD7YZ	KJ4KVC	WB8BZK	WA2SEI
UT7QF	V31MD	N1EN	WW2DX	WB4YDL
W6IA	VA3TTX	N3VOP	XE1H	WW5W
WO4G	WA4JA	NJ0U		
		VE3KY	134	129
151	144	W4TUN	AB1NS	8P6ET
K00Z	K0TLG	W6DQ	AB4GE	JF4VZT
OE6IMD	K5TDW	WA4KXY	C6ABB	K0KD
W1ZT	K6JRA		GM4UYE	K5QWO
W2DXE	K8MN	139	KE5FXE	KC8KSK
	K8WU	IZ8FFA	N3AIU (DN70)	KF4NEF
150	N9DI	KC7JPC	N8GOU	KM5LY
N9LAH	W5MPC	KU0G	W4TKI	KM5SC
VE3OAT	WO7GI	N7T	WA3WZR	N9WBR
W7APM		NA2AA		
	143	NZ6N	133	128
149	K0KVR	W4OV	KA5ETS	KC7QAG
AB6CF	K6JBH	WB2JIL	KC1RET	KJ6SDF
K4SAN	K9QFR	WY0V	KE1VT	KN4DMN
KK9H	KB8RJS		KM8V	N1SFE
W3UA	N8URE (FM19)	138	W0RT	W0WT
WB4VHF	NA1VT	AC0XY	W4GE	W5ZO
	W0HNM	AI6O	WI5D	W8FR
148	W0UHL	JA6RJK	WW7Q	WB2WEO
AC0DQ	WB0MMC	KD7WPJ	XE2O	
AG0A	WM5H	KE0A		127
K0RU		KE3D	132	AA9RK
K7IU	142	KE8RO	AB3CV	JR2LJO
KB2YSI	N2ZA	KQ4KX	IC8TEM	K3GYK

K7UV	W8KHP	W7QQ	K9AAN	KQ4LA
K8AC	WA8WV	WI4T	KC4GCK	KX5U
K8OS	WB2RVX	WM9M	KG9Z	N5TIF
KB3OZC			NF8M	N5YM
KB9TLV	122	118	VE1WOW	W7JET
KC0RQH	K7AED	J68AS	VE3IRR	W7UP
N6UTC	K7OGW	K4AZV	W2JLK	
NO8D	KA9JAC	KA4LBD	W2ZQ	109
VE2JWH	KB4UF	KF6MXK	W4ALF	AK6ZZ
W1FLD	KB5WFE	KI7BP	W4UFO	G4BWP
WA6BIL	KC5UGX	KT8X	WO2C	IW1ARB
	N5HYV	KW4BY	WX4US	K2DSW
126	VE6PY	N1QDQ		K2JGL
KJ7G	VE7JAC	N3JNX	113	K2OO
N0BDS	WD0GTY	N5EIL	AB4PM	K5DNL
N7DGI		TF3JB	AD5MD	K9GY
WB4HUC	121	W2AC / WB2ABK	K3DQB	KE6GLA
YL2AO	AE1P	W2AC/WB2ABK	KD4BPZ	KJ6CA
	K0MFI	WB2KSK	KD6VCD	KZ7N
125	K4HBI		KM5OL	N8TMW
AA7DK	KB2WAL	117	N3JDQ	N9TTX
K3PU	KB5MH	AB5J	N4YCI	VE3AAQ
KC5DRI	KE4JFS	K4WS	N5YK	W0YJT
W2AJM	NE0P/9	N4USG	W0BM	W1OP
W3UQH	UR0MC	N5JEH*	W8MSP	W4ZRZ
W4DFU	W8DN	N5LPT	W8VW	W5MPC/1
WA6POZ	WB9TFH	NA7L	WD0ENC	W7RJR
WB4OMM		NU6V		WB6YIY
WE1P	120	W6WE	112	WB9W
	EA1YO	WA1TBV	K2MLS	
124	K2CYE	XE2PXN	K3GD	108
K0DLW	K4CGY		K5WTA	CF3VRQ
KB0HH (EM06)	KD0R	116	KA7T	HB9BZA
KD5FTD	KD4MZM	IK7EOT	N5HMH	JA9IPF
KM1C	KD5BRF	K4RGN	W1TR	JP7EIP
KT5MR	KE4SCY (FM06)	KI6QDH	W5DQ	K5OPB
N0SL	N3YPJ	KU5B	W6OAT	N3MWQ
N9AZZ	VE1JC	N0VR	W7IV	N5DD
PV8AAS	VE3XK	NO0B	W9PN	VE3SUB
W0PE	WA6RAY	W0DHB	WA8TWM	VE7IG
W1TAM	WD4OHD		WG3K	VY2RU
W7YM		115	WX3P	W4AMP
W9CDL	119	K9MMS	XE1GK	W4CRN
	AE5AU	KE6TVM		W5AAJ
123	K0AWU	KF0QS	111	W8EH
AC7AF	K1ZN	KF9AF	N0SLT	W9VNE
K9SM	K2SQS	KM5FA	PC3T	XE1R
KB0GT	K4MSG	N7VGO	W8GBH	
KB0STN	K7JIZ	UW5ZM	WZ8P	107
KG6DHQ	KF7PCL	VK9DX		JA3EGE
VE3TG	KP3V	WA3BZT	110	K5UIC
W1HS	KT0P	WC7V	EA4DEI	KF7PG
W3SE	KW7N		K5KR	KI9A
W4PRZ	N4UPX	114	K7LD	KK4LUM
W5EWF	W0QC	AC8HU	KD5J	N3TTT
W7MHW	W4SW	K2RET	KI0F	N9OI
W8BI	W5DM	K3RTU	KP4JRS	NF0T

US0KW W2TTT WB4PPW	KD9GKL KJ7OG KM6WXB KO4LZ N0STP N1LDY N2FBQ N3UPS N7AGF NJ1H VE2PIJ W1TE W1ZE W4KVS W6ZQ W9EBK W9MDB WB2VUO WB8BZK/VE3 WL7OU	KD8NYO KE1AU KJ4M KR5V N1HOQ VE7ZD W4RVZ W5DPT W5OV W7UT W9NFL WA8EQP WB5FDP	KC8CC KC9CMT KD3SW KE5CVM KF0Q KG5X KJ5OA N3TBB N4NIA N5RZK N5XTR N7EME N8COP N8XS VP2MRM W2CH W4/KL7GLL W4OZK W8BZY W9DQ WA5TLP WV9E	W5JLC W6TJU WA1LAD WA5TRX WB5NHX WB7VVD WK5X WW2R (EL09)
106 K0MEI K5BJW K7BWH K7JE KB0TIJ KC7ICM KE5JXC KJ6MBW KK2DOG N0RQ N1USB N2IPH N4CE N5FPW N5YHF N8HM N9XMU VA3OKG VE3AJY WB6VYH WQ9F	103 AA5CK AB0YM AB5SS K2OY K4MVL K6USY K8ZEE KA1W KB0FHP KB2SGX KC9FFV KF0AIJ KF4DVG KR4NO N0YXE N1JIF NF6P VE7DXG W0TF W3LEO W6IT W6XU	101 AE7V K0IN K0SBV K0WJ K2NUD K5DWI K5HX K7SYS KB1JDX KB4KBS KC6AWX KC8CSD KG8WB KG9IL KL2R KR4WM KR7LD N1IX N4AOE N8VEA N9DVS ON9CMR/W0 VA2LGQ W4LLP W5KBD W7ISG WA4HFN WB8IMY WD5IYT	99 AB0SD AB3TM K0YO K4KEW K4WQ K4ZO K5VPQ K7DD K7PAP K9ZZE KA0ZEE KC2IEB KC6X KD4MWO KD6RUH KG9AP KR4UA M5MYH N4FV N5OHL N7HRT N7JPF N7TE N8GHZ N8YV N9MKC NB5R NH6CJ NI5W NS2P VE2HAY W2HOG W2VU	98 AC2RL AD8Y K0KC K0UD K3IXD K3QIA K4OP K5HOB KA1EKR KE4LGL KG4YOU KG7E KJ2G KK0CQ KY0Q N0JJQ N1JHJ N3LRP N5TEY N8AID NO5X NO8R VA3VF W2KRP W6TE WA2FGK WA3TLT WB1GQR WB2YDS WD0E WH6LR WT5H WV5Y
105 AC4Q DS4EOI K4SJA K9MAL KB3JGS KC0JYT KC4KK KF4DGS KJ7TH N4NQY N5SAN N7YY NE9O PU4JOE VE3VRQ W8MIL W9RVG WA4MYO	102 AA9MY AB8JH AD6KH K0HAQ K3HW K9AM K9OHI KA3ZLS KB8CR KC6WFS KC8DMN	100 AC0FT AI2S AI9U K2UA K4UQC K5GM K5KV K8IJ K9CC KB9ZLB KC2HLI		97 AB8M AJ9C K0HB K0JQZ K0QEI K0SH K0YQ K3HZO (FN20) K4GTR K4JQU K8XF KA2BSK
104 AB9YC AC5K AC5RN AC9QR IK4DRY K5PPP KB9RNO KC1LXO KC2TR				

KA7EII	N8YBY	XE2AT	WT9U	K5GDX
KC0YBM	NT2A		WV7S	K5TDA
KD5CKP	NW5Q	94		K7FU
KF4KSN	NY2Z	AA4RP	93	K7HKR
KM4NYI	VE2DCP	AB4VT	AG2A	K7UWR
KT5WB	W1HMM	AD1DX	AG6CV	KB0PQP
N1VMJ	W3VHF	AK8CW	AI8F	KC4JNW
N3UMA	W4KK	HK4SAN	K0IW	KD4QMY
N4BH	W4TMR	IK8YTA	K1PTF	KE4WBO
N6MA	W7JHS	K0ARM	K1ZK	KG4URP
N9APK	W8DM	K3BEE	K2AK	KR7X
N9IO	WA3EEC	K3TUF	K2MTS	N2SG
N9KY	WB0M	K4JRK	K4DAM	N3GH
NK7C	WB5KJE	K4LDC	K5TRI	N4VN
NU0Y	WP4LNY	K4NNX	K6RM	N5QO
VA3FIN		K8GT	K7IP	N6FD
W3QT	95	K9DOG	K7TRK	N6RPM
W4CWA	AB9AI	K9SUL	KB0USF	N7DED
W4DAS	AE0G	KA2F	KC5TGT	NS6E
W4ID	AE5EO	KA9UVY	KC5TT	UT5JAJ
W7DN	K1PNQ	KB7AK	KC9TTR	W1PV
WA6OSX	K4ED	KC0AUY	KC9UL	W2ACY
WA9LEY	K8KFJ	KC3AK	KD0QG	W2CVW
WB8RVK	K8ME	KD4VRZ	KE6AZX	W3ACO
WB8ZTV	K8VD	KE3WM	KE6UMW	W3HZU
WB9PNU	KD7WH	KF0LA	KE8RPJ	W4BP
WE8L	KD8DR	KG4NLZ	KI0J	W4LIA
	KD9ZR	KU4JZ	KK7MNC	W6NS
96	KF6XA	KV3W	N2BX	W8JV
AD5OW	KI0SK	N0LNE	N2YTF	WA3JKB
AE4TQ	KW9U	N0LP	N3AO	WA4EEZ
AK4F	N1XK	N1TOR	N3ZBK	WM3O
HB9EFK	N2SLO	N2SU	N4GOA	
K2CK	N2WLS	N3JBH	N4YHC	91
K2UF	N3WAV	N3XBG	N7EGY	AA0CW
K2UNK	N4ET	N3YUG	N7JI	AD3Y
K4EQH	N5BLY	N5ZMP	N7KSI	CO2WZ
K5CRJ	N5ENU	N6HY	NA9D	K1UR
K8EMR	N5KI	N6MXU	VA7QI	K4SPA
K9OT	N9IV	N7NH	VE3WMD	K6YK
KA2NDX	N9LJX	N7UN	W0MHK	K7HPN
KA3HED	VA3KS	N8WWM	W2VTV	K8OI
KB5GI	VA3PZ	N9DD	W3ZGD	KB2YWU
KB8PNS	VE3KZ	N9UNX	W4GPM	KB3IAI
KC0HBP	VE3SPW	VA3MA	W4VG	KB3NDS
KD6PY	W4YZJ	VE3RX	W5DMT	KB7AZ
KI5TE	W5ADA	VE5MX	W5DWA	KC5POV
KM2O	W5CBF	VE7AB	W7EIR	KC8LGL
KM5NU	W5RCQ	W2GR	W7TRX	KE1IU
KR4EE	W7JWC	W3IPA	W9IFW	KE7RTB
KS4V	W9SX	W3TA	W9NED	KG4QWC
KT5RR	WA2ONK	W4LNG	W9WI	KI3O
N0WVU	WA3I	W5ODD	WA5ICA	KI5BLU
N2LID	WA4WR	W5PUF	WB5CON	KM7N
N2VHZ	WB2SIH	W7NX		KM9I
N2XK	WD8DOT	WA7LHZ	92	KQ6K
N8PAQ	WS4S	WA9BXB	K1EY	N3PPH

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	W6VNI	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	N2MKT	NZ3O	KU4WW	VE3CFK
AG2AA	N2ZN	VA3MDB	N6KTH	W2GW
AG7NR		VA7LM	SV2AEL	W2SKI

WN0L	W3FGP WC5M	N0GVK US5WE UX1UA	47 HB9RYZ HL2IFR JE1VTZ	34 G4SEU LA2QM
78 K2QPN TG9AWS W4NE	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	60 IZ4DPV KP4JFR S55DX UR9QQ	46 LU2DX	33 W8GC WB4SON WB8TGY (EN72)
77 K1IFJ MI0AYR	69 K3WGR W1YM WD4LBR	58 HB9BIN KC6NBI SV8CS WA2MUA	45 JA6WJL K4TXJ	32 DM2RM N3LRH SM6WET ZL3TE
76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	68 AA4S EH7CD K6CF KJ7TEA KW4OV	57 IK1ZOF JL1UXH N5LJL WD5GRW	44 WO3T XE2YWH/1	31 K7TM
75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL W4LVH W5UC WP4NEG ZL3AAU	67 JG2TSL W7YED	56 KI5WA LU8ADX NI6T	43 8P6SH CT1EEN HB9RUZ K4ZIN	30 E72X JL3LSF JO7WXN LA6OP WA6DNR
74 AK8B CX4AAJ KF2TI LU4FPZ VE6SO VK4CZ WC6DX	66 K6KLY KK4YEL	55 JL3MCM LA3MHA WA2EMF	41 N6PAZ	29 HL2WA OE4VIE SP5APW
73 G4FKA JF1IRW SV1RK VP2MJD W4WT	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	54 AG4KI	40 E75AA JF1LMB JR0QFA OH4UI WB8TGY	28 CT8/K0RUI JA6CRP K0FMI OH3DP
72 N4II PV8ADI	64 K3BQ WD5GRW (EM13QO)	53 K0BBC PP1CZ	39 AA5PK YL2JZ	27 E70A KC9ELU WP4NIX
71 K0GW K4GK K5WPN NP4TT W2YR	63 EA1DR KB0RFY	51 CT1ETE N8OFS VE9FCP	38 DD3KF DU1EV K8YSE VK5PJ	26 WB7QXU
	62 HB9ALO HL2EIZ IZ8EDJ K4DXA N6ZDH SP5QWB	49 N8MR	37 BA7NQ HA5PT JA9APS JH9DRL	25 EA4/K1WE
	61 CU3AN	48 G8BQX JA9KRO K0BBC/R KI5KC N6DBF NP3IR YY4DNN	36 JA1WSK	24 EI2JD F1RAF F4BDG KS4YX ON6AB PA7TWO
			35 GI4OWA LU9DO UR5WA	23 GM4ILS

HB9G	14	KD3UY	JH7IMX	JH3MHI
K4SLC	EA8MT	S51NM	JH7IPR	JP1HDK
KP4EIT	HB9FMN		JK6DXD	K4KZM
W8MK	JA2XCR	8	UT5EL	K7LY
22	KB8DVT	DK2LO	VK4ZP	KEN IN NEBRASKA
9H1SP	PA7RA	JA1CPU	XE1SAX	LA2CQ
IZ3ENH	PV8RR	JE3PCP		OH3KAV
OE3SGU	PY2OC	JJ2NWI	3	SV1XV
	W9TTY	N8RO	DF1ZN	SV3FUO
21	13	OH8LXT	DJ5AV	YB2DX
EA1YN	JE2UFF	7	DL2KQ	YL2KF
	K4WY	DH0GSU	EA1AR	
20	PY2MC	G8APB	EA4D	1
CX1FK	W4PWF	HB9GWJ	G3LHJ	3A2MW
HL4CJG		IZ0INX	GM4CFS	9A2EY
I1FQH	12	JA2NDQ	GM4KHE	BD4UJ
JM1KVW	EA3GP	LA3DV	HA9PP	CT1AHU
N1WC	F4ESV	N5ORT	HL2ZN	DH8BQA
PY5EW	HB9DDZ	NJ4Y	IK0WRB	DJ3ZF
W8LR	IK2RPE	UR5FEO	IK8EPC	DL2DCX
YL3HA	JK1UNZ	ZS4TX	IW3GJF	DL4ZAB
	JN1RQV		J11CHH	DS5TOS
19	N1IW	6	JM1GHT	EA3WD
DL1TS	ZS6WB	CT2FEY	JN1BPM	EA4GQS
EA6BB		DL1TRK	JR6IQI	F1VEV
J14WAO	11	DU0A	KC0Y	G4VSS
JR3UIC	A65BR	EI2JC	PY5IP	G6MXL
PY2HN	DL2OE	JA7NGE	SA7CJO	G7SQS
SP8NR	EA4DAU	PY2VA	SV1VN	G8TTI
VE6TA (DO31)	EA4ZK		W1CBY	IK5BSC
	G4CTY	5	WD9EWK (DM43)	IW0AFS
18	IZ4GWE	DL5LH	YB1TJ	IZ0BTV
AJ6V	JA2KVB	EA1AAA	YL2CA	IZ2CSX
HL4GAV	JA6QHJ	EA7ZY	YL2MU	IZ3DBA
KJ4EU	PY2DV	IK8GYS		IZ5FSA
W0HBH	PY2GM	J15USJ	2	JA1GZK
	SP5XMU	JJ1IDW	5B4ALJ	JA7DPC
17	10	KB8VAO	6K5XZE	JA7VXB
G3LZQ	DL4CF	M1VPN	9A2GA	JH8XVT
PY2XAT	HB9BOS	MU0GSY	9K2NO	J11HNC
W0JM	J12UDK	OK1IN	BV6CC	JJ1PFC
16	PA5KT	ON5UE	CO6CBF	JL2ULM
N6VHF	SV2DCD	PP2RON	DF8FT	JN3ONX
TI2CDA	TF3Y	SK6QA	DK1CO	KC3KJQ
	UR7DWW	VE2NGH	EH4BPJ	KG4JSZ
15	9	VR2XMT	ES8JX	KH6WI
9K2BM	DL7BA	W1ZR	F5TMJ	KP4DER
EI2GLB	EB1EWE	W2ZF	G0THY	MM0INH
HB9HIT	EC7ZK	YL2CZ	G4DDL	OK1UU
LU5FF	G6BFP		G8GNI	ON6NA
PY2RN	IK3ITB	4	GI4ONL	OZ1IKY
SV8CKM	JA1MZL	CT7/RC2A	IK1IYU	PU5SVE
UT3UA	JA2FGL	EK/RX3DPK	IK2GOQ	SM3GBA
WC2C	JE1LFX	F1DFR	IZ8XQC	SM6LPG
		IV3GOW	JA6AVT	SQ5NRY
		JG1JPE	JA6SZV	UN8G
			JA9FAI	UR5EDX

VR2VGM
WB7VUF
YO8WW