

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 (27 Jul 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	W5VY	474	461
AA0MZ	W5AJ	W5ZN	W6XK	NA9RB
AA5AM	W5EME			
AA5C	W5FF	483	473	460
AA7A	W5KI	AC0RA	N4TB	K4SO
AI5I	W5OZI	K1USA	NQ7R	
K0GU	W7GJ	W0VTT	WB0O	459
K1TOL	W7JW	W5TRL		N5NA
K4PI	W7KNT		472	XE2K
K4XO	W7MEM	482	AI1K	
K5RK	W9FF	AD6D	KB7ME	458
K5UR	W9JN	K7BG	N7ZO	K9NW
K5WE	W9RM	KM0T	WD8JJA	KG5THG
K7CW	W9XX	KX4R		N9BCA
K7ULS	WD5K		471	
K8SIX	WQ5S	481	ND4X	457
K9CT	WS9V	W9VHF		W3UR
KA9CFD			470	
KA9FOX	487	480	WO7R	456
KD5M	K0SIX	K5GZR		N4JQQ
KG5CCI	K1TO	WA7HQD	467	N9PGG
KM0A	K7MAC	WB0ULX	AD1C	
KO9A	K7TM	XE2OR	N5EKO	453
KR7O	K9YY			K4YMQ
KV5W	N0AKC	479	466	KB9DAK
N0LL	N7CW	N5WS	KA0JGH	
N0LWF	N7IR	W5WVO	KB6NAN	452
N0PB	N9ISN		WB9CIF	N5BO
N0TB	NA6L	478	WX7M	N9BX
N1AV	W3IP	AE5B		NE1B
N3SL		AF5CC	465	
N3XX	486		WE9R	451
N5DG	KY7M	477		K5WBM
N5OMG	N0KE	K0BJ	464	
N6JV	WD5COV	KC7V	KB9OWD	450
N7NW	XE2CQ	NC6K		AJ4F
N9LB		W9RN	463	W5THT
N9UM	485		K4MY	
ND0B	K0TPP	476	VE3EK	449
W0FY	K5ND	KC7QY		KF6HI
W0JW	K9MU		462	W8TN
W0LGQ	N0POH	475	K6ZH	
W3CP		N4WW	N6ORB	448
W4UDH	484	N5KO	NY0V	W3LPL
W5ADD	N7KA			W5XC

447 AH0U K4HB KS7S N4SC	W3TC WB8ART	423 AJ4A WB8BPU	407 W4AS W5CIA	391 N1EVK W4AVY
446 K6EID N4QS NV4B WB7CJO	435 K9KLD KF6A	422 VE6WQ WB5JID	406 AK3E K6FG	389 K8JH NE9U
445 K4XP K7PI KU7Z N8OC	434 K1SIX K8ROX KF0M	420 VE3LYC	405 AA4SC K3FRK K5CKS	388 K0IP W4WRL
444 K3SX N7BAV NI0G W4DR	433 NA6MG W3LL W9WO	419 K7NN W0GN W5AL	404 N2ZX VE4EAR	387 AA1ON KV4T N4CH
443 AB4IQ N4MM	432 K6GXO N6KK	417 NJ6D	403 NH6T/W4 W5PR	386 N7IJ NN4R W5TFW W7AH WE4S
442 KP4AJ N2QT	431 K0TLM K8ZM	416 K4RWP K7ND KO4MA	402 K3FM	385 NK1K VE6MB W4WTA
441 K8TB KD3CQ	430 K1TEO KF8MY N5TJ	415 K5OMC K7AWB W0GJ	401 K4CKS	384 AB4SF K1GG K8ROK
440 AG9S N4TL W2IRT WA1EAZ	429 WA5JCI	414 K0DEQ K7KQA N0GZ WW1L	400 W0JRP W0RH W3UUM	382 K5PI VE3YXO
439 WA9DU WB8ZBT XE2X	428 K5RT K9APW N2NL	413 AE5FM WA9LFO	398 K7SMA N8IEZ W1NG	381 W3VZ
438 K1HTV K9MK	427 N4LR NM5U	412 VE2XK 6M FN07PJ	396 K6VHF KB8U	380 K7MCX NE6I WA5LFD
437 KK4MA	426 K4ZOT K8ZR N5OK W5JAY	411 N9EAT	395 AA5XE K0AZ KF7CQ	379 KZ2I N8WNA W6TMD
436 N4QWZ N9FN	425 K6ML	410 K5XI KE7SW KE8KMX KI8G N4HN	394 K2TER	378 AG4W WR7X
	424 N4UFP N9AKR W3EP	409 N5SYV	393 K7XC W4TV	377 NT9E
		408 W7BA	392 AF4HX N4UFO W6OMF	

376 AA5JF K8GI K8VFX N2WK N3OC W7FI	K7XB KG7CW WB4EVH	350 N6VI N8YO	W9EWZ WA5RT WW0E	N2JJ N8HRZ W2OR W8WG W9DCT W9XA WX4G
375 K6QG KI0E WB4OQX	364 AB5EB N6QQ	349 KA0BAD	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA W8OP WO9S	328 K6ME N5PT W2CNS WB3LHD
374 AB1OC KV7K N6GP N7DB	363 W4NH	348 AD5A		
373 K4SSO	362 W1JR WA5OLT	347 KT8O		
372 NY1V W5MO	361 K8BL K9NR N1KDO N7MB N8KOL NG4C NI0P	346 W8LMG	335 AK0MR K5FUV K5FZ K9QVB KB4MRX N3PS N8LRG W9GKA WA7PDC	327 KF9UG KJ5RC N0YO W2JU
371 JA7QVI WA6BYA	360 AA4FF K6UM (CN85)	345 KB1EFS VE7BV W3XY XE2YWH	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	326 K2ZD K6LMN K6TDI NG7M VE1JBC W7JLC WF7T
370 K5TN KN4SM KS4YT N3MK NT0V	358 K5RLA K6EME KG8P NK0S	343 AB4EJ K5EK N3RC		325 WA2AEY WB4KTF
369 KF8UN N2DPF	357 K4LVV	341 KD7DCR NX7U WA7YAZ	333 KM4HI KN4NN N0IGZ N6KZ W3GQ	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY
368 KB0V W5RCI W6GMT	355 AB9BH KD5XB	340 K0RAR KE4TH N0AN	332 AA7UN N4JDB N7KDT VA3IKE W9GM	323 N8II W8KEN WO2T
367 AA4ZZ KC4HW KR4BD W7YAQ	353 AF2K K0CS K8EB	339 KE4BKL VA7FC W5VAS	331 K8WDA KC0UDO N4MW	322 AA8SW VA6SZ
366 KI7JA	352 NZ3M VE3DS W0KKK W1DYJ WA9PWP XE2ML	338 VE3SXE WA5KBH	330 KB8MBC KG6AY W8PI	321 NC7B NS4C W2HRO W9VA
365 K4JJW	351 AA4FL K5DTC	337 K0DD K8ZES NU6S	329 AA1QD	

320 K0VG N4DW	309 AA4LR VE3XN	WX2S	WA8EFK	W8GJ WA4NVM XE1FAS
319 N7US W4ER	307 KE5K NA5Z W3ATV W9RPM	299 N9JR VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA NQ7G W4LTJ	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N
318 N3ALN W4HY	306 K4QE K6RO N0LD WB0OQV WV9L XE1AO	298 AG1A KD4WSC N4IQ	288 K1NU N6AR W1DU W4HLR W7YA	277 AC7JM JR1LZK NS4T PV8DX
317 KA8SYV W1SKU	305 K3VAT K6UM (CM88) KF2T KT1J WA9M	297 DK8NE KE8Y N8YQX N9LF	287 K8DP N8CGY	
316 K3FN KA0ABA W4UCK W9BWR		296 K4XR K6YUI KC7RW	285 K5CZD K9UO WA4HFN	276 K2CS K5TWJ K7TAB W9OO
315 K5VH NY2NY	304 K6IPF W4FC WA0GUD	295 JG1TSG KE4P N7NT	284 AB0RX K0KP K4DET KX7L NJ2F (EL96)	275 K1MAA K2NJ N4GG W0FK
314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN	294 K6JSV	283 K2BLA WA0FQK WB0CQO	274 KB1DMX XE1YY
313 K0TC N2ZZ N6NR 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 K1GJQ 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 K1ST KB6VFC N1RR WA2BAH WX0Z	291 KS4S W1WHL W2CCC	280 N0KV NM5Z	271 K7NII KB7FUV KM3V W3HHN
310 N1NK NJ7G W9KVR WO4DX		290 JE1BMJ W3HDH	279 AA8MA N3JPU W0VHF (EL87)	270 K4SPD KC9FQD KV7N N2LIV W4QK

W5DNT	261	253	N3AIU (FM08)	235
W7JY	AF2F	KG4ERR	N4JRY	ND0C
WZ9B	K3TWK	N2XQM	VA3ZV	NN9X
269	KB8UUZ	252	VE3VHB	VO1GO
K2IE	N3EW	AB5A	W0VD	WB6RJH
K3ZO	260	CT1EEB	WD4IXD	WT2P
KD5R	K6JAD	F4BKV	243	WZ9W
KK0DX	N6HC	K1ACL	JA1QJI	234
N5EPA	NT7C	K3NK	K0CAO	KE6FCT
N5WD	W0PR	NN4RR	K3TC	233
VA2CY	W3SW	VE6NTT	W4EJ	K1AFC
268	XE1YD	251	YV1DIG	N3AIU (DM45)
K6OJ	259	AD5JK	242	N9NJS
N9ZTS	K1BD	HC1BI	K3WW	VE7VZ
W0KAN	KD4ADC	K1NJ	KA3TCC	W3DF
267	KG6I	KG7NV	241	W8PAT
KG6EG	KN5O	NN4SS	N6NU	W9TD
KX9N	NS7K	250	W5LO	XE1L
N2AMC	NY1E	AA9LC	240	232
N7UVH	VE6BMX	KL0S	AB5GU	AI9L
N8EHW	WA4YA	NW6R	KG5EIU	K5FO
W4FSO	258	249	KI0HA	N0FJP
W5WP	K2HAT	CT1IUA	KK4ZUU	N9NJY
W9DRB	NA2NY	K8AO	KO6LU	231
266	VE3MSC	KQ5U	VA3HP	K4MIJ
K1OA	WB7ECS	N1GC	W1VT	K5VR
K1WVX	257	W2LV	WA2VJL	K6HEW
TG9AJR	K0CCM	248	239	KF6GYM
WB8EJN	K2KA	K1ZZ	KF4LVF	W9XT
265	K5QE	W6VFA	W6RW	230
N5KS	KD4MYE	247	W9YOY/M	K1ZE
W7CT	N5DTT	W1FKF	WA3SEE	KO4MM
WA8MCD	PY2XB	W3TEF	WB1FLD	VA3XJ
264	W0PPA	246	238	WB0WAO/8
AC8L	WA2HFI/O	JA1UAV	AA3GM	229
K4JAF	256	K0DAS	AE4WG	K6RG
N0TK	N8ZJN	KK8X	JP1LRT	KB9RUG
NF1O	W9TA	N5TIT	MD0CCE	KD5IKG
263	255	VE6TA (DO33)	237	KE4UW
AK4PR	JM1IGJ	W4FRA	K3KO	N4NX
K9AAA	K8MVZ	WI7P	236	NN5DX
WB7QBS	KG4JPL	245	K0SU	228
262	NI3K	N1IA	K4NK	K5RUS
K3CWH	W0NOZ	N3XF	KB1HY	K7HSJ
KD8JSP	WA8KNE	VA3CW	N3FTI	KF2ZQ
N4ST	254	244	N9ATD	N8AIA
ND4DX	N7QOZ	AA9RR	W5AJX	W5HEZ
WA0KBZ	VE3OTL	K8DV	227	227
	WD5ITW		K8ZT	

K9TF KS9A W4KXY W5LUA XE1GLL	KE5RV W6DPD W7ZSL WB2WIH (FN20)	W5HNK W6AER W6KAP	N8SYF NR0Q W1RM W9GFB W9VOB WA1KPD	W2AMR XE2ED XE2W
226 AF5WN GD0TEP JM1SZY N7CNH N8UR NM5S W0VX W8RD WQ6Q	218 K1XH K4IJQ K5HPT K8YC KB8KVJ KC0VDY NA5C	210 K3MSB K5KEW 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 K3HPA ND4V W4DEE	209 AA4IB K7LOL W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA2OTC WA9ASZ	194 K2MRK K3EA N3FA N9NFT WF1H WK8A
224 IT9IPQ JA8ISU K9MQ	216 K7RB N0IS NE1F W4HFZ W5RWF	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
219 K2RKJ	211 JR3REX K9FOH NE8S VE3SMA W2ZDP		196 K0AIZ K0NR N5DUW	

188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	KB8YKR N3XJX N4DTF N9MSG NY0A W4RBO W9BS WJ1B	WW2R	NY4I VE3HHT W8KNO WA3DRC	161 K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG
187 AA8R KD3HN KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 K1DT PV8BR	168 KG5ZMQ W8WEJ	160 JA1AFR K5IQ N3FX
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	159 K4MZ NS7B W1EME W4TTO WB8NUT
185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT	178 KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	173 K2ZZ K5YPV KE4SCY	166 JA1OVD KC2GHT N5VU NC4RY VA3WEB WB4KXS	158 K8CR KI0D N2CG
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	157 K4FX KB8GC KC2WUF WA7NB
183 K5RQ N0UBL W2UDT	176 AD5ZA EA5BY K0DI KX9X N5QGH NP4BM W5AFD WA5IPS	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	156 K2KJ N3RN N9KO VE7VDX
182 AJ6T FP/KV1J K5GMX K8WK NZ1I XE1CL		170 K9TVG N4GBK N8CN NA2U W4IHI W4JKC W9JJ WK3V	163 K2JF K2YSY N5XZ	155 AE4M K3TD K6XN N7AU N9OBE TG9ANF VA3NQ WV8DX
181 AB9FN K4CMS K5HDE		169 K6XC KD5OMJ N2BEG N5XES N7PHY	162 AF4GK K0QB KA1R KD4TDI N5SIX W9JJB W9VS WA1Z WB0WAO	154 AE4NT KB9VMW KD2NF W3ZQN
				153 AA4NC AB4GG K7AD

K7ZD	W5WOX	KT8TD	K0XXX	WN6K
KW0A	WA0VPJ	N9FIV	K4SX	
N1OFZ	WA3YGQ	W4FS	KC5LK	131
N2ADV		W4POT	KC9AXZ	K3NAT
N6DHZ	146	W6ZI	KJ5RM	KG9R
W3DQS	K2GW	WB9WHQ	KV1E	N2CJ
W5FI	K8YTO	WR7AY	NO1R	
W9ILY	KB0YH		W2JCN	130
WB5ZAM	KB5ZEA	140	W4AVV	AB0X
	KC2TN	AC5DK	W7UV	AK8CW
152	KM5TY	BA4SI	XE2JS	JR1BAS
AA6I	N4HID	CO2WF		K0GUR
N0RC	VA2RC	CT1BWU	135	K4JKB
N1NUM	VE1VOX	K1UO	CU3EQ	KC4NX
N2WM		K7SAM	K4MWB	KE8RJu
NU1T	145	KC0MEZ	K8ZIZ	NG9R
UT7QF	KD7YZ	KC8TMU	LY3W	VE1DX
W6IA	V31MD	KJ4KVC	N4DB	VE2Tzt
WO4G	VA3TTX	N1EN	N8XE	W0PHX
	WA4JA	N3VOP	W6BXQ	W2LES
151		NJ0U	WB8BZK	W3FEY
K00Z	144	OE6IMD	WW2DX	WA2SEI
W1ZT	K0TLG	VE3KY	XE1H	WB4YDL
W2DXE	K5TDW	W4TUN		WW5W
	K6JRA	W6DQ	134	
150	K8MN	WA4KXY	AB1NS	129
N9LAH	K8WU		AB4GE	8P6ET
VE3OAT	N9DI	139	C6ABB	JA3LZS
W7APM	W5MPC	IZ8FFA	GM4UYE	JF4VZT
	WO7GI	KC7JPC	HK3W	K0KD
149		KU0G	KE5FXE	K5QWO
AB6CF	143	N7T	N3AIU (DN70)	KC8KSK
I0WTD	K0KVR	NA2AA	N8GOU	KF4NEF
K4SAN	K6JBH	NZ6N	W4TKI	KM5LY
KK9H	K9QFR	W2PD	WA3WZR	KM5SC
W3UA	KB8RJS	W4OV		N9WBR
WB4VHF	N8URE (FM19)	WB2JIL	133	
	NA1VT	WY0V	KA5ETS	128
148	W0HNM		KC1RET	KC7QAG
AC0DQ	W0UHL	138	KE1VT	KJ6SDF
AG0A	W1MJC	AC0XY	KM8V	KN4DMN
G0OIL	WB0MMC	AI6O	W0RT	N1SFE
K0RU	WM5H	JA6RJK	W4GE	W0WT
K7IU		KD7WPJ	WI5D	W5ZO
KB2YSI	142	KE0A	WW7Q	W8FR
N0TM	N2ZA	KE3D	XE2O	WB2WEO
N5ZBI	N5RMS	KE8RO		
W6VNQ (CM88)	NA2X	KQ4KX	132	127
WB6RAB	NC4VA	N3XH	AB3CV	AA9RK
	PV8AJ		IC8TEM	JR2LJO
147	W5SWV	137	K5VG	K3GYK
AF6AV	WA5TKU	N1SZ	KW4G	K7UV
IZ1LBG	WS4V	N5JGK	N4PPH	K8AC
K6PSP		SM7AED	N7TP	K8OS
KC1BUF	141		N8IK	KB3OZC
VE3CX	K4AR	136	NE1I	KB9TLV
W4YCC	K9ATX	AB1QB	VE3TM	KC0RQH

N6PM N6UTC NO8D VE2JWH W1FLD WA6BIL	122 K7AED K7OGW KA9JAC KB4UF KB5WFE KC5UGX N5HYV VE6PY VE7JAC WD0GTY	118 J68AS K4AZV KA4LBD KF6MXK KI7BP KT8X KW4BY N1QDQ N3JNX N5EIL TF3JB W2AC / WB2ABK W2AC/WB2ABK WB2KSK	VE3IRR W2JLK W2ZQ W4ALF W4UFO WO2C WX4US	109 AK6ZZ G4BWP IW1ARB K2DSW K2JGL K2OO K5DNL K9GY KE6GLA KJ6CA KZ7N N8TMW N9TTX VE3AAQ W0YJT W1OP W4ZRZ W5MPC/1 W7RJR WB6YIY WB9W
126 KJ7G N0BDS N7DGI WB4HUC YL2AO	121 AE1P K0MFI K4HBI KB2WAL KB5MH KE4JFS NE0P/9 UR0MC W8DN WB9TFH	117 AB5J K4WS N4USG N5JEH* N5LPT NA7L NU6V W6WE WA1TBV XE2PXN	113 AB4PM AD5MD K3DQB KD4BPZ KD6VCD KM5OL N3JDQ N4YCI N5YK W0BM W8MSP W8VW WD0ENC	
125 AA7DK K3PU KC5DRI W2AJM W3UQH W4DFU WA6POZ WB4OMM WE1P	120 EA1YO K2CYE K4CGY KD0R KD4MZM KD5BRF KE4SCY (FM06) N3YPJ VE1JC VE3XK WA6RAY WD4OHD	116 IK7EOT K4RGN KI6QDH KU5B N0VR NO0B W0DHB	112 K2MLS K3GD K5WTA KA7T N5HMH W1TR W5DQ W6OAT W7IV W9PN WA8TWM WX3P XE1GK	108 CF3VRQ HB9BZA JA9IPF K5OPB N3MWQ N5DD VE3SUB VE7IG VY2RU W4AMP W4CRN W5AAJ W8EH W9VNE XE1R
124 K0DLW K8VA KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N9AZZ PV8AAS W0PE W1TAM W7YM W9CDL	119 AE5AU K0AWU K1ZN K2SQS K4MSG K7JIZ KF7PCL KP3V KT0P KW7N N4UPX W0QC W4SW W5DM W7QQ WI4T WM9M	115 K9MMS KE6TVM KF0QS KF9AF KM5FA N7VGO VK9DX WA3BZT WC7V	111 N0SLT PC3T W8GBH WZ8P	107 JA3EGE K5UIC KF7PG KI9A KK4LUM N3TTT N9OI NF0T US0KW W2ODH W2TTT WB4PPW
123 AC7AF K9SM KB0GT KB0STN KG6DHQ VE3TG W1HS W3SE W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX		114 AC8HU K2RET K3RTU K9AAN KC4GCK KG9Z NF8M VE1WOW	110 EA4DEI K5KR K7LD KD5J KI0F KP4JRS KQ4LA KX5U N5TIF N5YM W7JET W7UP	106 K0MEI K5BJW

K7BWH	N7AGF	W5DPT	N5RZK	98
K7JE	NJ1H	W5OV	N5XTR	AC2RL
KB0TIJ	VE2PIJ	W7UT	N7EME	AD8Y
KC7ICM	W1TE	W9NFL	N8COP	K0KC
KE5JXC	W1ZE	WA8EQP	N8XS	K0UD
KJ6MBW	W4KVS	WB5FDP	VP2MRM	K3IXD
KK2DOG	W6ZQ		W2CH	K3QIA
N0RQ	W9EBK	101	W4/KL7GLL	K4OP
N1USB	W9MDB	AE7V	W4OZK	K5HOB
N2IPH	WB2VUO	K0SBV	W8BZY	KA1EKR
N4CE	WB8BZK/VE3	K0WJ	W9DQ	KE4LGL
N5FPW	WG3K	K2NUD	WA5TLP	KG4YOU
N5YHF	WL7OU	K5DWI	WV9E	KG7E
N8HM		K5HX		KJ2G
N9XMU	103	K7SYS	99	KK0CQ
VA3OKG	AA5CK	KB1JDX	AB0SD	KY0Q
VE3AJY	AB0YM	KB4KBS	AB3TM	N0JJQ
WB6VYH	AB5SS	KC6AWX	K0YO	N1JHJ
WQ9F	K2OY	KC8CSD	K4KEW	N3LRP
	K4MVL	KG8WB	K4WQ	N5TEY
105	K6USY	KG9IL	K4ZO	N8AID
AC4Q	K8ZEE	KL2R	K5VPQ	NO5X
K4SJA	KA1W	KR4WM	K7DD	NO8R
K9MAL	KB0FHP	KR7LD	K7PAP	VA3VF
KB3JGS	KB2SGX	N1IX	K9ZZE	W2KRP
KC0JYT	KC9FFV	N4AOE	KA0ZEE	W6TE
KC4KK	KF0AIJ	N8VEA	KC2IEB	WA2FGK
KF4DGS	KF4DVG	N9DVS	KC6X	WA3TLT
KJ7TH	KR4NO	ON9CMR/W0	KD4MWO	WB1GQR
N4NQY	N0YXE	VA2LGQ	KD6RUH	WB2YDS
N5SAN	N1JIF	W4LLP	KG9AP	WD0E
N7YY	NF6P	W5KBD	KR4UA	WH6LR
NE9O	VE7DXG	W7ISG	M5MYH	WT5H
PU4JOE	W0TF	WB8IMY	N4FV	WV5Y
VE3VRQ	W3LEO	WD5IYT	N5OHL	
W8MIL	W6IT		N7HRT	97
W9RVG	W6XU	100	N7JPF	AB8M
WA4MYO		AC0FT	N7TE	AJ9C
	102	AI2S	N8GHZ	K0HB
104	AA9MY	AI9U	N8YV	K0JQZ
AB9YC	AB8JH	K2UA	N9MKC	K0QEI
AC5K	AD6KH	K4UQC	NB5R	K0SH
AC5RN	K0HAQ	K5GM	NH6CJ	K0YQ
AC9QR	K3HW	K5KV	NI5W	K3HZO (FN20)
IK4DRY	K9AM	K8IJ	NS2P	K4GTR
K5PPP	K9OHI	K9CC	VE2HAY	K4JQU
KB9RNO	KA3ZLS	KB9ZLB	W2HOG	K8XF
KC1LXO	KB8CR	KC2HLI	W2VU	KA2BSK
KC2TR	KC6WFS	KC8CC	W5JLC	KA7EII
KD9GKL	KC8DMN	KC9CMT	W6TJU	KC0YBM
KJ7OG	KD8NYO	KD3SW	WA1LAD	KD5CKP
KM6WXB	KE1AU	KE5CVM	WA5TRX	KF4KSN
KO4LZ	KJ4M	KF0Q	WB5NHX	KM4NYI
N0STP	KR5V	KG5X	WB7VVD	KT5WB
N1LDY	N1HOQ	KJ5OA	WK5X	N1VMJ
N2FBQ	VE7ZD	N3TBB	WW2R (EL09)	N3UMA
N3UPS	W4RVZ	N4NIA		N4BH

N5OTY	W8DM	K3TUF	K4DAM	N4VN
N6MA	WA3EEC	K4JRK	K5TRI	N5QO
N9APK	WB0M	K4LDC	K6RM	N6FD
N9IO	WB5KJE	K4NNX	K7IP	N6RPM
N9KY	WP4LNY	K8GT	K7TRK	N7DED
NK7C		K9DOG	KB0USF	NS6E
NU0Y	95	K9SUL	KC5TGT	UT5JAJ
VA3FIN	AB9AI	KA2F	KC5TT	W1PV
W3QT	AE0G	KA9UVY	KC9TTR	W2ACY
W4CWA	AE5EO	KB7AK	KC9UL	W2CVW
W4DAS	K1PNQ	KC0AUY	KD0QG	W3ACO
W4ID	K4ED	KC3AK	KE6AZX	W3HZU
W7DN	K8KFJ	KD4VRZ	KE6UMW	W4BP
WA6OSX	K8ME	KE3WM	KE8RPJ	W4LIA
WA9LEY	K8VD	KF0LA	KI0J	W6NS
WB8RVK	KD7WH	KG4NLZ	KK7MNC	W8JV
WB8ZTV	KD8DR	KU4JZ	N2BX	WA3JKB
WB9PNU	KD9ZR	KV3W	N2YTF	WA4EEZ
WE8L	KF6XA	N0LNE	N3AO	WM3O
	KI0SK	N0LP	N3ZBK	
96	KW9U	N1TOR	N4GOA	91
AD5OW	N1XK	N2SU	N4YHC	AA0CW
AE4TQ	N2SLO	N3JBH	N7EGY	AD3Y
AK4F	N2WLS	N3XBG	N7JI	CO2WZ
K2CK	N3WAV	N3YUG	N7KSI	K1UR
K2UF	N4ET	N5ZMP	NA9D	K4SPA
K2UNK	N5BLY	N6HY	VA7QI	K6YK
K4EQH	N5ENU	N6MXU	VE3WMD	K7HPN
K5CRJ	N5KI	N7NH	W0MHK	K8OI
K8EMR	N9IV	N7UN	W2VTV	KB2YWU
K9OT	N9LJX	N8WWM	W3ZGD	KB3IAI
KA2NDX	VA3KS	N9DD	W4GPM	KB3NDS
KA3HED	VA3PZ	N9UNX	W5DMT	KB7AZ
KB5GI	VE3KZ	VA3MA	W5DWA	KC5POV
KB8PNS	VE3SPW	VE3RX	W7EIR	KC8LGL
KC0HBP	W4YZJ	VE5MX	W7TRX	KE1IU
KD6PY	W5ADA	VE7AB	W9IFW	KG4QWC
KI5TE	W5CBF	W2GR	W9NED	KI3O
KM2O	W5RCQ	W3IPA	W9WI	KI5BLU
KM5NU	W7JWC	W3TA	WA5ICA	KM7N
KS4V	W9SX	W4LNG	WB5CON	KM9I
KT5RR	WA2ONK	W5ODD		KQ6K
N0WVU	WA3I	W5PUF	92	N3PPH
N2LID	WA4WR	WA7LHZ	K1EY	N3WCM
N2VHZ	WB2SIH	WA9BXB	K5GDX	N7CZ
N2XK	WD8DOT	WT9U	K5TDA	N8DEZ
N8PAQ	WS4S	WV7S	K7FU	NR4J
N8YBY	XE2AT		K7HKR	NU4N
NT2A		93	K7UWR	OE9KFV
NW5Q	94	AG2A	KB0PQP	VA2BBW
NY2Z	AA4RP	AG6CV	KC4JNW	W2SUB
VE2DCP	AB4VT	AI8F	KD4QMY	W4MLN
W1HMM	AD1DX	K0IW	KE4WBO	W5KDA
W3VHF	HK4SAN	K1PTF	KG4URP	WB0NRV
W4KK	IK8YTA	K1ZK	KR7X	WB7X
W4TMR	K0ARM	K2AK	N2SG	WC4V
W7JHS	K3BEE	K2MTS	N3GH	XE1GZU

90	N9UDX	WK3N	N2RJ	N1SF
AA0LM	NE2U	WV8O	N4LS	PU8TEP
AB4WL	VE3VCF	XE1SOV	NJ1Q	W5DAS
AB9DU	W0HRO		VE3GFN	W7YOZ
AF5BG	W1HY	87	VE7DAY	W8GG
DL1SMA	W2JEK	AC0A	W1WV	WA2ONG
JH4JNG	W2OK	AG4I	W3STU	
K1HC	W4ZMM	K4JC	W4IT	81
K1KA	W6VNQ	K5UZ	W4RA	AB4I
K3CWF	W9HT	K5WO	W6ST	KE4DZU
K3UAL	WA7SDI	K6UIP	W7SIR	N6MM
K4AAP	WB3IAL	KB1VUN	W8DQ	N7NEV
K4FTP	WM6Y	KC8NAH	W9QY	NI4Y
K4XZ	WQ5C	KE6WOX	WA4WKL	W3MC
K8EAB	WR5AY	KI6RRD	WD4LSS	WA4ZXV
KA5TJI	XE2NL	N0ELA	WF4R	WA8ZNC
KB5FHK	XE3DX	N2CJN		XE1EE
KB7BSA		NA5DX	84	
KK4DZP	88	NE5S	CT3FT	80
KW3DX	AA4QE	NI5F	K4EZY	AC6BW
N2ULL	AE0DX	NN7RM	KE6NDG	K7FR
N4BRF	AE4OF	W8GOC	N1KI	KE4PT
N5BA	AF4MI	WB3IGR	N2NWS	KR4Q
N9JJ	K1RS	WB8JAY	VE2WBK	KW1DX
VA3XOV	K3TN	WF4W	W8PU	N2NS
W9CPV	K4XD	XE1RBV	W8SGR	UW5ZM
W9CSY	K7CTV		ZS6NK	VY2HF
W9HBH	K7WV	86		W5TTY
WA2BEV	K7ZYV	AG1T	83	W6TCP
WA8OJR	K9JF	K7FB	AA6E	W7AM
WD9HCF	KB2KIR	KA9OKH	DL5XJ	
WE7H	KC1GWX	KB7JJG	K1LH	79
WEST SEATTLE AMATEUR	KE7RTB	KI6HQT	K4SQC	K4RW
WH6LE	KE8UM	KN4MMH	K6JJ	K5JBT
WT4C	KI2D	KP4TB	K8SIA	KB4DSL
XE3/K5ENS	KI4RFM	KT1R	KB3HHA	KP4N
	KJ4KW	N2NF	KB9LIE	N2COP
89	N0OK	N3MVF	KC1UYZ	N5YJZ
AB1TZ	N1CEO	N8TFD	KK7BV	N9RC
AG2AA	N2MKT	NZ3O	KU4WW	VE3CFK
AG7NR	N2ZN	VA3MDB	N6KTH	W2GW
G4NBS	N4CAG	VA7LM	TG9AKH	W2SKI
JQ1TIV	N4GN	VE7IRU	W7USB	WN0L
K4BMM	N4KIN	W8IW	WD6T	
K5CX	N4UC	WA1PMA	WD9IOK	78
K5JAZ	N5VBK	WA4USA	WI6Z	K2QPN
KA0MWA	NS3X	WB4GCS	XE1MM	TG9AWS
KF4TVL	NT4TN	XE2AU		W4NE
KI0G	VE2VLJ		82	
KI4FW	W2BZR	85	AC9GK	77
KI4US	W3YX	EI3IO	AD4IE	K1IFJ
KR4U	W4DL	K1UU	CB0ZA	MI0AYR
KT3X	W4RXR	K4LRP	K3RJK	
N2GZ	W7HDD	KB3MXK	K4JMX	76
N5KAE	WA2BTR	KC0V	KA5WSS	K0WYN
N8YSZ	WA5MD	KE4DRF	KC5YKX	K6MAA
N9RG		KK4AND	KG4KVZ	KI4CYB

KI7WXP N1GNB N2MH/4	69 K3WGR W1YM WD4LBR	58 HB9BIN KC6NBI SV8CS WA2MUA	44 WO3T XE2YWH/1	ZL3TE
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 SV2AEL	30 E72X JL3LSF JO7WXN WA6DNR
74 AK8B CX4AAJ KF2TI LU4FPZ TI2CDA VE6SO VK4CZ WC6DX	67 JG2TSL W7YED	56 KI5WA LU8ADX NI6T	41 N6PAZ	29 HL2WA OE4VIE SP5APW
73 G4FKA JF1IRW N6DW SV1RK VP2MJD W4WT	66 K6KLY KB4YKC 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 HB9EFK K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	64 K3BQ WD5GRW (EM13QON)	53 K0BBC PP1CZ	38 DD3KF DU1EV K8YSE VK5PJ	26 WB7QXU
70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	63 EA1DR KB0RFY	51 CT1ETE N8OFS 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 LA6OP ON6AB PA7TWO
	61 CU3AN N0GVK US5WE UX1UA	48 G8BQX JA9KRO K0BBC/R KI5KC N6DBF NP3IR YY4DNN	35 GI4OWA LU9DO	23 GM4ILS HB9G K4SLC KP4EIT W8MK
	60 IZ4DPV KP4JFR S55DX UR9QQ	47 HB9RYZ HL2IFR JE1VTZ	34 G4SEU LA2QM UR5WA	22 9H1SP IZ3ENH
		46 LU2DX	33 W8GC WB4SON WB8TGY (EN72)	21 EA1YN
		45 JA6WJL K4TXJ	32 N3LRH SM6WET	20 CX1FK DM2RM HL4CJG

I1FQH JM1KVVW N1WC OE3SGU PY5EW W8LR YL3HA	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	LA3DV N5ORT NJ4Y UR5FEO ZS4TX	HA9PP HL2ZN IK0WRB IK8EPC IW3GJF JI1CHH JM1GHT JN1BPM JR6IQI KC0Y PY5IP SA7CJO SV1VN W1CBY WD9EWK (DM43) YB1TJ YL2CA YL2MU	CT1AHU DH8BQA DJ3ZF DL2DCX DL4ZAB EA3WD EA4GQS G4VSS G6MXL G7SQS G8TTI IK5BSC IW0AFS IZ0BTV 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
19 DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ PY2DV PY2GM SP5XMU	6 CT2FEY DL1TRK DU0A EI2JC JA7NGE PY2VA		
18 AJ6V KJ4EU W0HBH		5 DL5LH EA1AAA EA7ZY IK8GYS JI5USJ JJ1IDW KB8VAO M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ	2 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	
17 G3LZQ PY2XAT W0JM	10 DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW			
16 N6VHF		4 CT7/RC2A EK/RX3DPK F1DFR IV3GOW JG1JPE JH7IMX JH7IPR JK6DXD S51NM UT5EL VK4ZP XE1SAX		
15 9K2BM EI2GLB HB9HIT HL4GAV LU5FF PY2RN SV8CKM UT3UA UX0DL WC2C	9 DL7BA EB1EWE EC7ZK G6BFP IK3ITB JA1MZL JA2FGL JE1LFX KD3UY			
14 EA8MT HB9FMN JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	8 DK2LO JA1CPU JE3PCP JJ2NWI N8RO OH8LXT	3 DF1ZN DJ5AV DL2KQ EA1AR EA4D G3LHJ GM4CFS GM4KHE		
13 JE2UFF K4WY PY2MC W4PWF	7 DH0GSU G8APB HB9GWJ IZ0INX JA2NDQ JI2UDK		1 3A2MW 9A2EY BD4UJ	