

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 (17 Dec 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	W5ADD	484	W6XK	459
AA0MZ	W5AFY	AD6D		N5NA
AA5AM	W5AJ	K7BG	473	XE2K
AA5C	W5EME		N4TB	
AA7A	W5FF	483	NQ7R	458
A15I	W5KI	AC0RA	WB0O	K9NW
K0GU	W5OZI	K1USA		KG5THG
K1TOL	W7GJ	W0VTT	472	N9BCA
K4PI	W7JW	W5TRL	A11K	
K4XO	W7KNT		KB7ME	457
K5RK	W7MEM	482	WD8JJA	NI0G
K5UR	W9FF	K0BJ	WE9R	W3UR
K5WE	W9JN	KX4R		
K7CW	W9RM		470	456
K7ULS	W9XX	481	WO7R	N4QS
K8SIX	WD5K	W9VHF		N9PGG
K9CT	WQ5S	WA7HQD	468	W5THT
KA9CFD	WS9V		VE3EK	
KA9FOX		480		453
KD5M	487	K5GZR	467	K4YMQ
KG5CCI	K0SIX	N4WW	N5EKO	KB9DAK
KM0A	K1TO	WB0ULX		W5XC
KM0T	K7MAC	XE2OR	466	
KO9A	K9YY		KA0JGH	452
KR7O	N0AKC	479	KB6NAN	N5BO
KV5W	N7CW	N5WS	NY0V	N9BX
N0LL	N7IR	W5WVO	WB9CIF	NE1B
N0LWF	N9ISN	W9RN	WX7M	
N0PB	NA6L			451
N0TB	W3IP	478	464	K5WBM
N1AV		AD1C	KB9OWD	
N3SL	486	AE5B		450
N3XX	K5ND	AF5CC	463	AJ4F
N5DG	KY7M		K4MY	KF8MY
N5OMG	N0KE	477		
N6JV	N7KA	KC7V	462	449
N7NW	WD5COV	N5KO	K6ZH	KF6HI
N9LB	XE2CQ	N7ZO	N6ORB	W8TN
N9UM		NC6K		
ND0B	485		461	448
W0FY	K0TPP	476	N4JQQ	KP4AJ
W0JW	K9MU	KC7QY	NA9RB	W3LPL
W0LGQ	N0POH			
W3CP	W5VY	474	460	447
W4UDH	W5ZN	K7KQA	K4SO	AH0U

K3SX	435	WB5JID	N4UFO	392
K4HB	KF6A			AF4HX
KS7S	NA6MG	419	405	W6OMF
N4SC		K7NN	AA4SC	
	434	W0GN	K3FRK	391
446	K1SIX	W5AL	K5CKS	AD5A
K1HTV	K5XI		NE9U	NZ3M
K6EID	K8ROX	417	W0MU	W4AVY
WB7CJO	KF0M	NJ6D		
			404	390
445	433	416	AA1ON	KZ2I
K4XP	W3LL	K4RWP	N2ZX	
K7PI	W9WO	K7ND	VE4EAR	389
KU7Z		KO4MA		AB4SF
N8OC	432	WW1L	403	
	K6GXO		NH6T/W4	388
444	N6KK	415		K0IP
N7BAV		K5OMC	402	W4WRL
	431	K7AWB	K3FM	
443	K0TLM	W0GJ	K7SMA	387
AB4IQ				KV4T
K8ZM	430	414	401	N4CH
N4MM	K1TEO	K0DEQ	K4CKS	
WB8ZBT	N5TJ	N0GZ		386
XE2X		ND4X	400	N7IJ
	429		W0JRP	NN4R
442	WA5JCI	413	W3UUM	W5TFW
N2QT		AE5FM		W7AH
N4TL	428	WA9LFO	398	WE4S
	K9APW		N8IEZ	
441	N2NL	412	W1NG	385
K8TB		VE2XK 6M FN07PJ		NK1K
K9KLD	427		397	VE6MB
KD3CQ	K4ZOT	411	K8JH	W4WTA
WA1EAZ	N4LR	N9EAT		
	W0RH		396	384
440		410	K6VHF	K8ROK
AG9S	426	KE7SW	KB8U	W7FI
W2IRT	K8ZR	KE8KMX		
	N5OK	KI8G	395	383
439	W5JAY	N4HN	AA5XE	KI0E
NM5U			K0AZ	
WA9DU	425	409	KF7CQ	382
	K6ML	N5SYV	WB4EVH	K5PI
438				VE3YXO
K9MK	424	408	394	
	N4UFP	W7BA	AA5JF	381
437	N9AKR		K2TER	AG4W
K5RT	W3EP	407	KT8O	W3VZ
KK4MA	WB8BPU	W4AS	N1EVK	
		W5CIA		380
436	423	W5PR	393	K7MCX
N4QWZ	AJ4A		K1GG	NE6I
N9FN	W4DR	406	K7XC	WA5LFD
W3TC		AK3E	W4TV	
WB8ART	422	K6FG		379
	VE6WQ	K8EB		AB9BH

N8WNA W6TMD	KC4HW KR4BD W7YAQ	352 KF9UG VE3DS W0KKK W1DYJ WA9PWP XE2ML	338 N9JR NA5Z VE3SXE W9XA WA5KBH	N4MW W3TI
378 WR7X	366 KI7JA			330 KB8MBC KG6AY W8PI
377 AB1OC NT9E WA1NLG	365 K4JJW K7XB KG7CW W4FC	351 AA4FL K5DTC	337 K8ZES NU6S W9EWZ WA5RT WW0E	329 AA1QD AA8SW N2JJ N8HRZ W2OR W8WG W9DCT WB4KTF WX4G
376 K8GI K8VFX N2WK N3OC	364 AB5EB K0RAR N6QQ	350 N6VI N8YO	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S	328 K6ME N5PT W2CNS WB3LHD
375 K6QG WB4OQX	363 W4NH	349 KA0BAD		
374 KV7K N6GP N7DB	362 W1JR WA5OLT	346 N9XG W8LMG W8OP	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		
372 JA7QVI W5MO		344 AC9DX K6FW KB0PE W1OW	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	326 K2ZD K6LMN K6TDI NG7M W7JLC WF7T
371 N3PS WA6BYA	360 AA4FF K6UM (CN85)	343 AB4EJ K5EK N3RC N6KZ N8LRG W2HRO		325 WA2AEY
370 K5TN KN4SM KS4YT N3MK NT0V	358 K5RLA K6EME KG8P NK0S		333 KM4HI KN4NN N0IGZ W3GQ	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY
369 KF8UN N2DPF	357 K4LVV	341 KD7DCR NX7U WA7YAZ	332 AA7UN N4JDB N7KDT VA3IKE VE1JBC W9GM	323 N8II W8KEN WO2T
368 K0DD KB0V W5RCI W6GMT	355 KD5XB	340 KE4TH N0AN	331 K1GJQ K8WDA KC0UDO	322 N3ALN
367 AA4ZZ	354 N3AIU (DM45)	339 KE4BKL VA7FC W5VAS		

VA6SZ	310 N1NK NJ7G W9KVR WO4DX	N1RR WA2BAH WX0Z WX2S	290 JE1BMJ WA8EFK	280 N0KV NM5Z W1FKF
321 NC7B NS4C W9VA	309 AA4LR	299 DK8NE VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA N7RO NQ7G W4LTJ	279 AA8MA N3JPU W0VHF (EL87) W8GJ XE1FAS
320 N4DW	308 WA4HFN	298 AG1A KD4WSC N4IQ	288 K1NU N6AR W1DU W4HLR	278 AA9D AJ4W K3JT K3WA KV7N N0LNO N8BJQ NN1N
319 KF2T N7US W4ER	307 K1ST KE5K W3ATV W9RPM	297 KE8Y N8YQX N9LF	287 K8DP KC7MRQ N8CGY WA4NVM	277 AC7JM NS4T PV8DX
318 W4HY	306 K4QE K6RO N0LD WB0OQV WV9L	296 JG1TSG K4XR K6YUI KC7RW	285 K5CZD K9UO XE1YY	276 K2CS K5TWJ K7TAB W9OO
317 KA8SYV W1SKU W3HDH	305 K3VAT K6UM (CM88) KT1J WA9M	295 KE4P N7NT	284 AB0RX K0KP K4DET KX7L NJ2F (EL96)	275 K1MAA K2NJ N4GG W0FK
316 K3FN KA0ABA W4UCK W9BWR	304 K6IPF WA0GUD	294 K6JSV W7IMC	283 K2BLA N5OHL WA0FQK WB0CQO	274 KB1DMX WA8MCD
315 K5VH NY2NY XE1AO	303 EA8DBM K8TGC K8TL N7LAN	293 K2UU K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K0CAO K0PG K5TA N8JCM W4WM	273 KM4H KV1J VE6SH
314 KU4XO VE3XN	302 KB2TGU N3KN	292 KJ6P W1SSN	281 JR1LZK K4OY NL7CO W2YE	272 KF8QL KO4PRE N4SV
313 K0TC N2ZZ N6NR N7UVH NF4A W4GLV W5RKN	301 N0HJZ W7IB W9OBG WA8ZID WB0TVY	291 KS4S W1WHL W2CCC		271 K7NII KB7FUV KM3V
312 AF6O KA2GOJ	300 AA4V K0PHP K0SRL KB6VFC			
311 AC9S KM3T KS4XQ W2BZY W5DB				

W3HHN	262	WA8KNE	WI7P	236
W3SW	K3CWH			K0SU
270	KD8JSP	254	245	K4NK
K4SPD	N4ST	N7QOZ	N1IA	KB1HY
KC9FQD	ND4DX	NR0Q	N3XF	N3FTI
N2LIV	WA0KBZ	VE3OTL	VA3CW	N9ATD
W4QK	261	WD5ITW	244	W5AJX
W5DNT	AF2F	253	AA9RR	235
W7JY	K3TWK	KG4ERR	K8DV	ND0C
WZ9B	KB8UUZ	N2XQM	N3AIU (FM08)	NN9X
269	N3EW	252	N4JRY	VO1GO
K2IE	VE6TA (DO33)	AB5A	VA3ZV	WB6RJH
K3ZO	W6TCP	CT1EEB	VE3VHB	WT2P
KD5R	260	F4BKV	W0VD	WZ9W
KK0DX	K6JAD	K1ACL	WD4IXD	234
N5EPA	N6HC	K3NK	243	KE6FCT
N5WD	NT7C	N9ATF	JA1QJI	233
VA2CY	XE1YD	NN4RR	K3TC	K1AFC
268	259	VE6NTT	W4EJ	N5PA
K6OJ	K1BD	251	YV1DIG	N9NJS
N9ZTS	KD4ADC	AD5JK	242	VE7VZ
W0KAN	KG6I	HC1BI	AE4WG	W3DF
267	KN5O	K1NJ	K3WW	W8PAT
KG6EG	NS7K	KG7NV	KA3TCC	W9TD
KX9N	NY1E	NN4SS	241	XE1L
N2AMC	VE6BMX	250	N6NU	232
N8EHW	W9TA	AA9LC	W5LO	IT9IPQ
W4FSO	WA4YA	KL0S	240	K5FO
W5WP	258	NW6R	AB5GU	N0FJP
W9DRB	K2HAT	249	KG5EIU	N9NJY
266	NA2NY	CT1IUA	KI0HA	231
K1OA	WB7ECS	K7LOL	KK4ZUU	AI9L
K1WVX	257	K8AO	KO6LU	K4MIJ
TG9AJR	K0CCM	KQ5U	VA3HP	K5VR
VE3MSC	K2KA	N1GC	W1VT	K6HEW
WB8EJN	K5QE	N5SMQ	WA2VJL	KF6GYM
265	KD4MYE	W2LV	239	W9XT
N5KS	N5DTT	248	K9MQ	230
W7CT	PY2XB	K1ZZ	KF4LVF	K1ZE
264	W0PPA	W6VFA	MD0CCE	KO4MM
AC8L	WA2HFI/O	247	W6RW	VA3XJ
K4JAF	256	W3TEF	W9YOY/M	WB0WAO/8
K5KEW	N8ZJN	246	WA3SEE	229
N0TK	255	JA1UAV	WB1FLD	K6RG
NF1O	JM1IGJ	K0DAS	238	KB9RUG
263	K8MVZ	K8YC	AA3GM	KD5IKG
AK4PR	KG4JPL	KK8X	JP1LRT	KE4UW
K9AAA	NI3K	N5TIT	237	N4NX
WB7QBS	W0NOZ	W4FRA	K3KO	NN5DX
				W5LUA

228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	W4IFI W5JMW	KF7NN N1SV N2OA	204 LU2DX WA3DRC	N4BAF W3TW W5CTV
227 JM1SZY K3HPA K8ZT K9TF KS9A W4KXY XE1GLL	220 K7BTW N7XCZ	211 K9FOH NE8S VE3SMA W2ZDP W5HNC W6AER W6KAP	203 K0VSV K5HYT K5LOW N0HF N8SYF W1RM W3SZ W9GFB W9VOB WA1KPD	196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W
226 AF5WN GD0TEP N7CNH N8UR NM5S W0VX W8RD WQ6Q	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	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	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 JA8ISU 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 W8DM WA7KYM	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD
221 K5WMH K6CQR N0PSJ N4ION N5UWY	214 KB9PJL VE3SYK WA7AJ	205 AF4OD K8SD KE4HOA N5ITO W8QID	197 K3EGE	190 K5DB K5ER KC2DLD KK8MM N9UA W1ATV

W2OO	NZ1I	176	W4JKC	162
WB0DBS	XE1CL	AD5ZA	WK3V	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	VE3HHT	WA1Z
WA7VHF	N9MSG	WW2R	W8KNO	WB0WAO
WU9Q	NY0A	175	168	161
WX9M	W4RBO	PV8BR	KG5ZMQ	K4EA
187	W9BS	174	W2PD	KB3CWQ
AA8R	WJ1B	K3MD	W8WEJ	KK9M
KD3HN	180	K6WRL	167	N2YBB
KQ0J	K0OST	KC6ZWT	K4MQG	V44KAI
186	K4LYN	KG7P	KB1YNT	VE3LC
DJ5FI	KC1MMC	KU0A	KE5EP	W4HOG
K6ZZ	N1RK	N1MGO	LU4FW	160
K8PT	N6PEQ	NA2NY (ex-NA1VT)	N0NHW	AB1QB
K9SG	N6VH	NA6O	NO0T	JA1AFR
KN4PPD	W5HI	W3SO	TG9ADQ	K5IQ
KN7K	179	WA2PNI	W1BAT	159
N0XLR	K1EP	173	166	G0OIL
N6ZE	KU4WD	K2ZZ	JA1OVD	K4MZ
185	N0LIE	K5YPV	KC2GHT	NS7B
AD6W	N0MMA	KE4SCY	N5VU	W1EME
KD5BQT	NH7RO	172	NC4RY	W4TTO
KU4UC	VA3DPB	AB9KZ	VA3WEB	WB8NUT
NA2R	W8LHP	K5ZED	WB4KXS	158
PY5CC	WA4QMQ	KI4PKW	165	I0WTD
W3OU	178	KJ6HI	K4DXT	K8CR
W5BPT	KA2AYR	VE2PN	KD5HPT	KI0D
184	KB0EO	W4ABC	N1JFU	N2CG
4O3A	KB1RZA	171	W0RIC	157
AF5Q	KG5RJ	AA4PB	164	K4FX
K0DEW	N1ZUK	HP2AT	K2SD	KB8GC
KR4M	NQ2O	KC5GSK	K5VWW	KC2WUF
N1IBM	VE3NRT	KC5YCH	KD0UHN	WA7NB
N4BG	W0ZY	KI4TZ	KF9US	156
183	W1MAD	NS3L	W4CSW	K2KJ
K5RQ	W9JJ	W1PX	WK7G	K9OHI
N0UBL	WY7FD	W6IA	WQ7F	N3RN
W2UDT	177	WA2KBZ	163	N9KO
182	AG4ZE	170	K2JF	VE7VDX
AJ6T CM87	K2QQ	K9TVG	K2YSY	155
FP/KV1J	KI4BWW	N4GBK	N3FX	AE4M
K5GMX	NY4I	N8CN	N5XZ	CT1BWU
K8WK	SM7FJE	NA2U		K3TD
	W5ZG	W1MJC		K6XN
	WA8UEG	W4IHI		

N7AU	KB2YSI	WM5H	KE3D	132
N9OBE	N0TM		KE8RO	AB3CV
TG9ANF	N1TOR	142	KQ4KX	IC8TEM
VA3NQ	N5ZBI	N2ZA	N3XH	K5VG
WV8DX	W6VNQ (CM88)	N5RMS		KW4G
	WB6RAB	NA2X	137	N4PPH
154		NC4VA	N1SZ	N7TP
AE4NT	147	W5SWV	N5JGK	N8IK
KB9VMW	AF6AV	WA5TKU	SM7AED	NE1I
KD2NF	IZ1LBG	WS4V		VE3TM
W3ZQN	K6PSP		136	WN6K
	KC1BUF	141	K0XXX	
153	PV8AJ	JA6RJK	K4SX	131
AA4NC	VE3CX	K4AR	KC5LK	JR1BAS
AB4GG	W4YCC	K9ATX	KC9AXZ	K3NAT
K7AD	W5WOX	KT8TD	KJ5RM	KG9R
K7ZD	WA0VPJ	N9FIV	KV1E	N2CJ
N1OFZ	WA3YGQ	NV4B	NO1R	TF3JB
N2ADV		W4FS	W2JCN	
N6DHZ	146	W4POT	W4AVV	130
W3DQS	K2GW	W6ZI	W7UV	AB0X
W5FI	K8YTO	WB9WHQ	XE2JS	JA3LZS
W9ILY	KB0YH	WR7AY		K0GUR
WB5ZAM	KB5ZEA		135	K4JKB
	KC2TN	140	CU3EQ	K8LG
152	KM5TY	AC5DK	K4MWB	KC4NX
AA6I	N4HID	BA4SI	K8ZIZ	NG9R
N0RC	VA2RC	CO2WF	LY3W	NO8D
N1NUM	VE1VOX	K7SAM	N4DB	VE1DX
N2WM		KC0MEZ	N8XE	VE2TZX
NU1T	145	KC8TMU	W6BXQ	W0PHX
UT7QF	KD7YZ	KJ4KVC	WB8BZK	W2LES
WO4G	V31MD	N1EN	WW2DX	W3FEY
	VA3TTX	N3VOP	XE1H	WA2SEI
151	WA4JA	NJ0U		WB4YDL
KO0Z		VA3FLF	134	WW5W
OE6IMD	144	VE3KY	AB1NS	
W1ZT	K0TLG	W4TUN	AB4GE	129
W2DXE	K5TDW	W6DQ	C6ABB	8P6ET
	K6JRA	WA4KXY	GM4UYE	JF4VZT
150	K8MN		KE5FXE	K0KD
N9LAH	K8WU	139	N3AIU (DN70)	K5QWO
VE3OAT	N9DI	IZ8FFA	N8GOU	KC8KSK
W7APM	W5MPC	KC7JPC	W4TKI	KF4NEF
	WO7GI	KU0G	WA3WZR	KM5LY
149	YV4NN	N7T		KM5SC
AB6CF		NA2AA	133	N9WBR
K4SAN	143	NZ6N	KA5ETS	
KK9H	K0KVR	W4OV	KC1RET	128
W3UA	K6JBH	WB2JIL	KE1VT	JR2LJO
WB4VHF	K9QFR	WY0V	KM8V	KC7QAG
	KB8RJS		W0RT	KJ6SDF
148	N8URE (FM19)	138	W4GE	KN4DMN
AC0DQ	NA1VT	AC0XY	WI5D	N1SFE
AG0A	W0HNM	AI6O	WW7Q	W0WT
K0RU	W0UHL	KD7WPJ	XE2O	W5DM
K7IU	WB0MMC	KE0A		W5ZO

W8FR WB2WEO	W1HS W3SE W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX	KF7PCL KP3V KT0P KW7N N4UPX W0QC W4SW W7QQ WI4T WM9M	WC7V	110 EA4DEI G4BWP K5KR K7LD KD5J KI0F KP4JRS KQ4LA KX5U N5TIF N5YM W7JET W7UP
127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N6UTC 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 W2AC / WB2ABK W2AC/WB2ABK WB2KSK	114 AC8HU K2RET K3RTU K9AAN KC4GCK KG9Z NF8M VE1WOW VE3IRR W2JLK W2ZQ W4ALF W4UFO WO2C WX4US	109 AK6ZZ 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 K6USY 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 K4AU 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 WG3K WX3P XE1GK	
124 K0DLW KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N9AZZ PV8AAS W0PE W1TAM W6SCQ W7YM W9CDL		115 K9MMS KE6TVM KF0QS KF9AF KM5FA N7VGO UW5ZM VK9DX WA3BZT	111 N0SLT PC3T W8GBH WZ8P	108 CF3VRQ HB9BZA JA9IPF JP7EIP K5OPB N3MWQ N5DD VE3SUB VE7IG VY2RU W4AMP W4CRN W5AAJ W8EH W9VNE XE1R
123 AC7AF K9SM KB0GT KB0STN KG6DHQ VE3TG	119 AE5AU K0AWU K1ZN K2SQS K4MSG K7JIZ			107 JA3EGE

K5UIC	AC5RN	K3HW	K5KV	NS2P
KF7PG	AC9QR	K9AM	K8IJ	VE2HAY
KI9A	IK4DRY	KA3ZLS	K9CC	W2HOG
KK4LUM	K5PPP	KB8CR	KB9ZLB	W2VU
N3TTT	KB9RNO	KC6WFS	KC2HLI	W5JLC
N9OI	KC1LXO	KC8DMN	KC8CC	W6TJU
NF0T	KC2TR	KD8NYO	KC9CMT	WA1LAD
US0KW	KD9GKL	KE1AU	KD3SW	WA5TRX
W2TTT	KJ7OG	KJ4M	KE5CVM	WB5NHX
WB4PPW	KM6WXB	KR5V	KF0Q	WB7VVD
	KO4LZ	N1HOQ	KG5X	WK5X
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	VE4XTZ
K9MAL	KC9FFV	N1IX	K9ZZE	W2KRP
KB3JGS	KF0AIJ	N4AOE	KA0ZEE	W6TE
KC0JYT	KF4DVG	N8VEA	KC2IEB	WA2FGK
KC4KK	KR4NO	N9DVS	KC6X	WA3TLT
KF4DGS	N0YXE	ON9CMR/W0	KD4MWO	WB1GQR
KJ7TH	N1JIF	VA2LGQ	KD6RUH	WB2YDS
N4NQY	NF6P	W4LLP	KG9AP	WD0E
N5SAN	NN2D	W5KBD	KR4UA	WH6LR
N7YY	VE7DXG	W7ISG	M5MYH	WT5H
NE9O	W0TF	WB8IMY	N4FV	WV5Y
PU4JOE	W3LEO	WD5IYT	N7HRT	
VE3VRQ	W6IT		N7JPF	97
W8MIL	W6XU	100	N7TE	AB8M
W9RVG		AC0FT	N8GHZ	AJ9C
WA4MYO	102	AI2S	N8YV	K0HB
	AA9MY	AI9U	N9MKC	K0JQZ
104	AB8JH	K2UA	NB5R	K0QEI
AB9YC	AD6KH	K4UQC	NH6CJ	K0SH
AC5K	K0HAQ	K5GM	NI5W	K0YQ

K3HZO (FN20)	N0WVU	WA3I	W5PUF	WB5CON
K4GTR	N2LID	WA4WR	W7NX	
K4JQU	N2VHZ	WB2SIH	WA7LHZ	92
K8XF	N2XK	WD8DOT	WA9BXB	K1EY
KA2BSK	N8PAQ	WS4S	WT9U	K5GDX
KA7EII	N8YBY	XE2AT	WV7S	K5TDA
KC0YBM	NT2A			K7FU
KD5CKP	NW5Q	94	93	K7HKR
KF4KSN	NY2Z	AA4RP	AG2A	K7UWR
KM4NYI	VE2DCP	AB4VT	AG6CV	KB0PQP
KT5WB	W1HMM	AD1DX	AI8F	KC4JNW
N1VMJ	W3VHF	AK8CW	K0IW	KD4QMY
N3UMA	W4KK	HK4SAN	K1PTF	KE4WBO
N4BH	W4TMR	IK8YTA	K1ZK	KG4URP
N6MA	W7JHS	K0ARM	K2AK	KR7X
N9APK	WA3EEC	K3BEE	K2MTS	N2SG
N9IO	WB0M	K3TUF	K4DAM	N3GH
N9KY	WB5KJE	K4JRK	K5TRI	N4VN
NK7C	WP4LNY	K4LDC	K6RM	N5QO
NU0Y		K4NNX	K7IP	N6FD
VA3FIN	95	K8GT	K7TRK	N6RPM
W3QT	AB9AI	K9DOG	KB0USF	N7DED
W4CWA	AE0G	K9SUL	KC5TGT	NS6E
W4DAS	AE5EO	KA2F	KC5TT	UT5JAJ
W4ID	K1PNQ	KA9UVY	KC9TTR	W1PV
W7DN	K4ED	KB7AK	KC9UL	W2ACY
WA6OSX	K8KFJ	KC0AU	KD0QG	W2CVW
WA9LEY	K8ME	KC3AK	KE6AZX	W3ACO
WB8RVK	K8VD	KD4VRZ	KE6UMW	W3HZU
WB8ZTV	KD7WH	KE3WM	KE8RPJ	W4BP
WB9PNU	KD8DR	KF0LA	KI0J	W4LIA
WE8L	KD9ZR	KG4NLZ	KK7MNC	W6NS
	KF6XA	KU4JZ	N2BX	W8JV
96	KI0SK	KV3W	N2YTF	WA3JKB
AD5OW	KW9U	N0LNE	N3AO	WA4EEZ
AE4TQ	N1XK	N0LP	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	PY2KP	N8WWM	W2VTV	K8OI
KA3HED	VA3KS	N9DD	W3ZGD	KB2YWU
KB5GI	VA3PZ	N9UNX	W4GPM	KB3IAI
KB8PNS	VE3KZ	VA3MA	W4VG	KB3NDS
KC0HBP	VE3SPW	VE3RX	W5DMT	KB7AZ
KD6PY	W4YZJ	VE5MX	W5DWA	KC5POV
KI5TE	W5ADA	VE7AB	W7EIR	KC8LGL
KM2O	W5CBF	W2GR	W7TRX	KE1IU
KM5NU	W5RCQ	W3IPA	W9IFW	KE7RTB
KR4EE	W7JWC	W3TA	W9NED	KG4QWC
KS4V	W9SX	W4LNG	W9WI	KI3O
KT5RR	WA2ONK	W5ODD	WA5ICA	KI5BLU

KM7N	89	N0OK	N8TFD	KC1UYZ
KM9I	AB1TZ	N1CEO	NZ3O	KK7BV
KQ6K	AG2AA	N2MKT	SV1RK	KU4WW
N3PPH	AG7NR	N2ZN	VA3MDB	N6KTH
N3WCM	G4NBS	N4CAG	VA7LM	SV2AEL
N6DW	JQ1TIV	N4GN	VE7IRU	TG9AKH
N7CZ	K4BMM	N4KIN	W8IW	W7USB
N8DEZ	K5CX	N4UC	WA1PMA	WD6T
NR4J	K5JAZ	N5VBK	WB4GCS	WD9IOK
NU4N	KA0MWA	NS3X	XE2AU	W16Z
OE9KFV	KF4TVL	NT4TN		XE1MM
VA2BBW	KI0G	VE2VLJ	85	82
W2SUB	KI4FW	W2BZR	EI3IO	AD4IE
W4MLN	KI4US	W3YX	K1UU	CB0ZA
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	W6VNQ	K5WO	W6ST	DF3CB
K3CWF	W9HT	K6UIP	W7SIR	KE4DZU
K3UAL	WA7SDI	KB1VUN	W8DQ	N6MM
K4AAP	WB3IAL	KC8NAH	W9QY	N7NEV
K4FTP	WM6Y	KE6WOX	WA4WKL	NI4Y
K4XZ	WQ5C	KI6RRD	WD4LSS	W3MC
K8EAB	WR5AY	N0ELA	WF4R	WA4ZXV
KA5TJI	XE2NL	N2CJN		WA8ZNC
KB5FHK	XE3DX	NA5DX	84	XE1EE
KB7BSA		NE5S	CT3FT	
KK4DZP	88	NI5F	K4EZY	80
KW3DX	AA4QE	NN7RM	KE6NDG	AC6BW
N2ULL	AE0DX	W8GOC	N1KI	G4FKA
N4BRF	AE4OF	WB3IGR	N2NWS	K7FR
N5BA	AF4MI	WB8JAY	VE2WBK	KE4PT
N9JJ	K1RS	WF4W	W8PU	KR4Q
VA3XOV	K3TN	XE1RBV	W8SGR	KW1DX
W9CPV	K4XD		ZS6NK	N2NS
W9CSY	K7CTV	86		VY2HF
W9HBH	K7WV	AG1T	83	W5TTY
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
		N3MVF	KB9LIE	

N5YJZ N9RC VE3CFK W2GW W2SKI WN0L	K4GK K5WPN NP4TT W2YR W3FGP WC5M	61 CU3AN K4MLB N0GVK US5WE UX1UA	N6DBF NP3IR YL3HA	34 G4SEU LA2QM
78 K2QPN SP5QWB TG9AWS W4NE	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	60 IZ4DPV KP4JFR S55DX UR9QQ	47 HB9RYZ JE1VTZ	33 W8GC WB4SON WB8TGY (EN72)
77 K1IFJ MIOAYR	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 JL3MCM 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 LA3MHA WA2EMF	41 N6PAZ	29 HL2WA OE4VIE SP5APW
73 JF1IRW VP2MJD W4WT	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	54 AG4KI	40 E75AA JF1LMB JR0QFA WB8TGY	28 CT8/K0RUI JA6CRP K0FMI OH3DP
72 N4II PV8ADI	64 K3BQ WD5GRW (EM13QC)	53 K0BBC PP1CZ	39 AA5PK YL2JZ	27 E70A KC9ELU WP4NIX
71 K0GW	63 EA1DR HL2EIZ KB0RFY	51 CT1ETE N8OFS OH4UI VE9FCP	38 DD3KF DU1EV K8YSE VK5PJ	26 DS4AOW WB7QXU
	62 HB9ALO IZ8EDJ K4DXA N6ZDH	50 N8MR	37 BA7NQ HA5PT HL4CJG JA9APS JH9DRL	25 EA4/K1WE
		48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC	36 JA1WSK	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO

23 GM4ILS K4SLC KP4EIT W8MK	14 EA8MT HB9FMN JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	KD3UY S51NM	IV3GOW JG1JPE JH7IMX JH7IPR JK6DXD UT5EL VK4ZP XE1SAX	JA9FAI JH3MHI JP1HDK K4KZM K7LY KEN IN NEBRASKA LA2CQ OH3KAV SV1XV SV3FUO YB2DX YL2KF
22 9H1SP IZ3ENH OE3SGU		8 DK2LO JA1CPU JE3PCP JJ2NWI N8RO OH8LXT		
21 EA1YN	13 K4WY PY2MC W4PWF	7 DH0GSU G8APB 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	1 3A2MW 9A2EY AJ6T (EM66) BD4UJ CT1AHU DH8BQA DJ3ZF DL2DCX DL4ZAB DS5DNO DS5TOS EA3WD EA4GQS F1VEV G4CFS G4VSS G6MXL G7SQS G8TTI IK5BSC IW0AFS IZ0BT IZ2CSX IZ3DBA IZ5FSA JA1GZK JA7DPC JA7VXB JH8XVT JI1HNC JJ1PFC JL2ULM JN3ONX KC3KJQ KG4JSZ KH6WI KP4DER MM0INH OK1UU ON6NA OZ1IKY PU5SVE SM3GBA
20 CX1FK I1FQH JM1KVW N1WC PY5EW W8LR	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW VE3LYC 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 JA6QHJ PY2DV PY2GM	5 DL5LH EA1AAA EA7ZY IK8GYS JI5USJ JJ1DW KB8VAO M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ		
18 AJ6V HL4GAV KJ4EU W0HBH			2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF3VG DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL IK1IYU IK2GOQ IZ8XQC JA6AVT JA6SZV	
17 G3LZQ PY2XAT SP5XMU W0JM	10 DL4CF HB9BOS JI2UDK PA5KT SV2DCD TF3Y UR7DWW			
16 N6VHF SV8CKM TI2CDA	9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL JA2FGL JE1LFX	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS GM4KHE		
15 9K2BM EI2GLB HB9HIT JE2UFF LU5FF PY2RN UT3UA WC2C				

SM6LPG
SQ5NRY
UN8G
UR5EDX
VR2VGM
WB7VUF
YO8WW