

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 (26 Apr 2024). 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	W7KNT	482	471	454
AA0MZ	W7MEM	W5VY	AF5CC	WE9R
AA5AM	W9FF		WD5COV	
AA7A	W9JN	481		453
A15I	W9RM	K0TPP	469	K4YMQ
K0GU	WD5K		K7BG	N4JQQ
K1TOL	WQ5S	480	KM0T	
K4PI	WS9V	K1USA	N4TB	450
K5RK		N7KA	N7ZO	K4SO
K5UR	487			N5EKO
K5WE	AA5C	479	467	N9BX
K7CW	K4XO	W5WVO	AD1C	
K9CT	K7MAC	W9VHF	WO7R	449
KA9CFD	K7TM			K4MY
KA9FOX	K9YY	478	466	KF6HI
KD5M	N0AKC	AD6D	K0BJ	W8TN
KG5CCI	N7CW	AE5B	KA0JGH	
KM0A	N7IR	K5GZR	KB6NAN	447
KO9A	N7NW		W6XK	K4HB
KR7O	N9ISN	477	WX7M	KS7S
KV5W	NA6L	W9RN		N4SC
N0LL	W9XX	XE2CQ	464	W3UR
N0LWF			KB9OWD	W5EME
N0TB	486	476		W5XC
N1AV	KY7M	KC7QY	463	
N3SL	N0KE	KC7V	N5KO	446
N3XX		WB0ULX		K6EID
N5DG	485	XE2OR	462	NV4B
N5OMG	K5XI		K6ZH	
N6JV	K9MU	475	N6ORB	445
N9LB	W3IP	KX4R		KU7Z
N9UM			461	N5NA
ND0B	484	473	NA9RB	
W0FY	K0SIX	N5WS	ND4X	444
W0JW	K1TO	NQ7R		N7BAV
W0LGQ	K8SIX	WA7HQD	458	W4DR
W3CP	W5ZN	WB0O	KG5THG	
W4UDH			N9BCA	443
W5ADD	483	472	WB9CIF	N4MM
W5AFY	AC0RA	A11K		
W5FF	K5ND	KB7ME	457	442
W5KI	W0VTT	N4WW	VE3EK	N8OC
W5OZI	W5AJ	WD8JJA		
W7GJ			456	441
W7JW			N0POH	K4XP

440 AG9S K8TB W2IRT	427 N4QWZ W3LL	414 AH0U K7KQA W0GN	397 K5RT	383 N4UFO
438 W3LPL	426 AJ4F K8ZR N5OK	413 WA9LFO	396 KB8U	382 K5PI K6VHF VE3YXO
437 NY0V XE2K	425 WA1EAZ	412 N2NL WB7CJO	395 AA5XE K0AZ K5WBM KF7CQ	381 W3VZ
436 AB4IQ K7PI KD3CQ W3TC WB8ART	424 N4UFP N9AKR W3EP	411 K9MK	393 K7XC KK4MA W4TV	380 AB4SF K7MCX NM5U WA5LFD
435 K9KLD KF6A	423 W5THT	410 KE7SW KI8G	392 AF4HX K7SMA VE4EAR W6OMF	379 N8WNA
434 NE1B	422 VE6WQ	409 N4HN	391 W4AVY XE2YWH	378 AA5JF K8VFX N2WK
433 N9FN W9WO	421 K8ROX N5TJ N9PGG WB8ZBT	408 W7BA	390 NA6MG	375 K6QG WB4OQX
432 K6GXO KB8VAO EN91PB W5TRL	420 WB8BPU	407 W4AS W5CIA	389 K0IP W4WRL	374 N1EVK N6GP N7DB
431 K0TLM K1HTV K3SX N2QT	419 K7NN KB9DAK W5AL XE2X	406 AK3E K6FG N9EAT	388 KV4T N4CH	373 K4SSO
430 K1TEO KF8MY NI0G	418 K4ZOT	405 AA4SC K5CKS	387 N7IJ NN4R W5TFW W7AH WE4S	372 W5MO
429 K1SIX N4QS WA5JCI	417 AJ4A VE3LYC	404 KE8KMX NH6T/W4	386 KF0M NK1K VE6MB W4WTA	371 WA6BYA
428 K9APW KP4AJ N4TL	416 K4RWP K7ND	403 K3FM	385 K5TN KN4SM KS4YT N3MK NT0V	370 KF8UN N2DPF
	415 K5OMC K7AWB KO4MA N5SYV W0GJ	402 K4CKS	384 AA1ON K1GG K2TER K8ROK	369 W5RCI W6GMT
		401 W0JRP W3UUM		
		400 N5BO N8IEZ W1NG W5JAY		

367 KR4BD NT9E W7YAAQ	354 AB1OC K0DEQ	338 VE3SXE WA5KBH	W1DYJ W2OR W8WG W9XA WX4G	W4ER
366 KI7JA N4LR	353 AF2K K0CS K8EB	337 K8ZES WA5RT	328 K6ME N3RC N5PT NK0S W2CNS	318 N3ALN W4HY W4MAY
365 K4JJW KG7CW KZ2I WB4EVH	352 NZ3M W0KKK W1JR W7FI WA9PWP XE2ML	336 AB4EJ K5KDX K8GI K9QVB/9 VE3DS WO9S		317 VE7BV W1SKU WA7PDC
364 AA4ZZ AB5EB N6QQ	350 AA4FL K7XB N6VI	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	327 AC9DX KJ5RC N0YO NU6S W9DCT	316 K3FN KA0ABA N1KDO W4UCK W9BWR
363 W4NH	349 K8JH KA0BAD	334 K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	326 K2ZD K6LMN W7JLC	315 K5VH KG6AY NY2NY WF7T
362 WA5OLT	347 KT8O		325 WA2AEY	314 KB0V KU4XO
361 AG4W K8BL K9NR N7MB N8KOL NE9U NG4C	346 NY1V		324 K9SH KU4A N2BJ VE3TMG	313 K0TC N6NR NF4A W4GLV W5RKN
360 AA4FF K6UM (CN85)	345 N8YO W3XY	333 FG8OJ KM4HI KN4NN N0IGZ W3GQ	323 K10E N8II NJ6D W8KEN WW0E	312 AF6O KA2GOJ WA1NLG WB3LHD WO2T
359 WR7X	344 K6FW KB0PE W1OW	332 AA7UN N4JDB N7KDT VA3IKE W9GM	322 VA6SZ	311 KM3T W2BZY W5DB
358 K5RLA N3OC	343 K5EK		321 N2JJ NC7B NS4C W9VA	310 AA1QD AA8SW NG7M VA2WA W9KVR WO4DX
357 JA7QVI K4LVV KV7K NI0P W5PR	341 KD7DCR WA7YAZ	331 K8WDA N4MW N6KZ	320 K0VG K6EME N4DW	
355 KC4HW N2ZX WA9DU	340 N0AN W8LMG	330 KB8MBC KG8P	319 N7US	
	339 KE4BKL N6KK VA7FC W5VAS	329 KC0UDO		

307 KE5K KS4S W3ATV W9RPM WB4KTF	298 KD4WSC N1NK N4IQ	287 AC9S JE1BMJ N8CGY	WA4HFN	268 K6OJ KX7L N9ZTS W0KAN
306 K6RO K7BV VE3XN WV9L	297 N8YQX N9LF VE1JBC	286 AG1A NC6K	277 AC7JM K7ULS K9UO NS4T PV8DX	267 K8DP KG6EG KX9N N2AMC N3PS N7UVH N8EHW W4FSO W5WP W9DRB
305 K6UM (CM88) KF2T KT1J WA9M	296 K6YUI KC7RW	285 K5CZD N0LD	276 K2CS K5TWJ K7TAB	266 K1OA K1WVX KE8Y TG9AJR WB8EJN
304 K6IPF W4FC WA0GUD	295 KE4P N7NT W2HRO	284 AB0RX K0KP K4DET NJ2F (EL96) RETIRED	275 K1MAA K2NJ N4GG W0FK W8PI WA4NVM	265 N5KS
303 EA8DBM K8TGC K8TL	294 K6JSV N8HRZ	283 W8OP WA0FQK WB0CQO	274 K2UU KB1DMX	264 AC8L K2BLA K4JAF N0TK NF1O
302 KB2TGU W3TI	293 AB9BH K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP DK8NE K5TA N0GZ N8JCM W4WM	273 KM4H NA5Z WB0OQV	263 AK4PR K3VAT K4XR K9AAA NJ7G WB7QBS
301 N0HJZ N2ZZ W9OBG WB0TVY	292 KJ6P W1SSN	281 K4OY W2YE	272 XE1AO	262 AE5FM K1ST K3CWH ND4DX WA0KBZ
300 AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S	291 W1WHL	280 AC5D N0KV NM5Z	271 K4NNX K7NII KB7FUV KD5XB W3HHN	261 AF2F K3TWK KB8UUZ N3EW
299 VE6WK W1LE W5SUM W8UV WB5GVY	290 WA8EFK	279 N3JPU W0RH W0VHF (EL87) W3HDH XE1FAS	270 AA8MA K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B	
	289 K4MM K9FA N5BCA NQ7G W4LTJ	278 AA9D AJ4W JG1TSG K3JT N0LNO N8BJQ NN1N	269 K2IE K3ZO KD5R N5EPA N5WD	

260 JR1LZK K6JAD N6HC	251 AD5JK K1NJ K3NK KG7NV NN4SS	YV1DIG	233 K1AFC N3AIU (DM45) N9NJS VE7VZ W3DF W8PAT XE1L	WQ6Q
259 AK0MR KD4ADC KG6I KN5O N1RR NS7K NY1E VE6BMX W2JU	250 AA9LC K0CCM NW6R	242 K3WW KA3TCC N8LRG WA8MCD	232 AE4WG K5FO KL0S MD0CCE N9NJY VE6TA (DO33)	225 AC9O K9QJ KF9UG KX9X (EN50) N2WSY N4SV W8AKS WN6W
258 K1BD K2HAT NA2NY WB7ECS	249 K8AO KL7HBK KQ5U N1GC	241 W5LO	231 K4MIJ K6HEW KF6GYM W9XT	224 JP1LRT K3FRK WA4YA
257 K2KA K5QE KD4MYE N5DTT PY2XB W7CT WA2HFI/0	248 CT1IUA K1ZZ W6VFA	240 AB5GU KG5EIU KI0HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	223 GD0TEP K1GJQ K7UA NJ7A	
256 K3WA N8ZJN	247 K0PG W1FKF W3TEF W9TA	239 F4BKV KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	230 JM1IGJ K1ZE K5DTC KO4MM VA3XJ WB0WAO/8	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT
255 K8MVZ KG4JPL KS4XQ W0NOZ WA8KNE	246 K0DAS KK8X N5TIT W0PR W4FRA	238 AA3GM N9JR	229 K6RG KB9RUG KD5IKG N4NX NN5DX	221 K5WMH K6CQR N0PSJ N4ION N5UWY
254 KF8QL N7QOZ VE3OTL WD5ITW	245 N1IA VA3CW W3SW WA8ZID WI7P	237 K3KO K4QE	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 HC1BI K7BTW
253 N2XQM	244 AA9RR KD8JSP N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	236 K0SU K4NK KV1J N3FTI N9ATD W5AJX W9OO	227 JA1UAV K8ZT KS9A W4KXY	219 AI9L K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)
252 AB5A K1ACL NN4RR VE6NTT VE6SH	243 JA1QJI K3TC W4EJ	235 ND0C VO1GO WB6RJH WT2P WZ9W	226 AF5WN N7CNH N8UR NM5S W0VX	218 K1XH K4IJQ KB8KVJ

217 ND4V W4DEE	KD5HIO PV8ABC	KR0I NN0K WA1MKE WA9ASZ XE2N	WK8A	K9SG KN4PPD KN7K NOXLR N6ZE
216 K7RB N0IS NE1F W5RWF	207 JM1SZY N1BCL N8NJA	200 4A2MAX N5AO N9AG NA5C VA3VU W1AW	193 K7PT K9AB	185 AD6W K2WJ KD5BQT KU4UC N2YU NA2R PY5CC W3OU W5BPT
215 AL7OC K2SX KI5FJ N6KW	206 AB0CT AK4Y K9YC (EN61) KB0LYL N4ST NA5Q PV8AZ W4EJG XE1J	199 JA8ISU K4GHS N3KfV NJ8J W0BNE W4OEP WB0YEA	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	184 AF5Q K0DEW KB1HY KR4M N1IBM N4BG
214 KB9PJL VE3SYK WA7AJ	205 AF4OD K8SD KE4HOA N5ITO N9ATF VE3MSC W8QID	198 AC8TO N0UK N7EPD NX0I WA7KYM	191 K0ITC K3HPA K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	183 K5RQ N0FJP N0PB N0UBL W2UDT
213 KI6X W0NBC W8RD	204 IT9IPQ K9MQ W5LUA	197 K3EGE N4BAF W5CTV W9TD	190 K5ER KC2DLD N9UA W1ATV W2OO	182 AJ6T DF3CB FP/KV1J K5GMX K8WK W2CCC
212 AB5C K6TDI KF7NN N2OA N5PA	203 K0VSV K3DFL K5HYT K5LOW N0HF N6NU N8SYF NR0Q W1RM W9GFB W9VOB	196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	189 KC0MEA WA5VKS	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF NY0A W2ZDP W4RBO W9BS WJ1B
211 K8YC K9FOH NE8S VE3SMA W5HNK	202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK W8GJ	188 AD7KI KD4HLG W4AZR W4HFZ W6AER WA7VHF WU9Q WX9M	
210 K3MSB K9YC KL7NO N6UK WQ9T	201 AA7WB KC5FP KO9V	194 K2MRK N3FA N9NFT WF1H	187 JF8QNF KD3HN KQ0J N1SV	
209 AA4IB N1TQ W0PPA W5WGF WA4NFO			186 DJ5FI K6ZZ K8PT	180 K0OST K4LYN KC1MMC
208 AI2N CO8DM				

N1RK	KU0A	LU4FW	W1EME	151
N6PEQ	N1MGO	N0NHW	W4TTO	KO0Z
N6VH	NA2NY (ex-NA1VT)	NO0T	WB8NUT	W1ZT
NI3K	NA6O	TG9ADQ		W2DXE
W3SZ	W3SO	W1BAT	158	
WA5RR	WA2PNI		K8CR	150
		166	KI0D	K1EP
179	173	KC2GHT	N2CG	N9LAH
KU4WD	K2ZZ	N5VU		NE6I
N0LIE	K5YPV	NC4RY	157	VE3OAT
N0MMA	KE4SCY	VA3WEB	4O3A	W7APM
NH7RO	XE1YY	WB4KXS	K4FX	
VA3DPB			KB8GC	149
W8LHP	172	165		AB6CF
WA4QMQ	AB9KZ	K4DXT	156	K4SAN
	K5ZED	KD5HPT	K2KJ	KK9H
178	KI4PKW	N1JFU	KE4UW	WB4VHF
JR2HCB	KJ6HI	W0RIC	N3RN	
KA2AYR	VE2PN		N9KO	148
KB0EO	W4ABC	164	VE7V DX	AC0DQ
KB1RZA		K5VWW		AG0A
KG5RJ	171	KD0UHN	155	G0OIL
N1ZUK	AA4PB	KF9US	K3TD	K0RU
NQ2O	HP2AT	W4CSW	K6XN	K7IU
VA2CY	KC5GSK	WK7G	KK8MM	K8DV
VE3NRT	KC5YCH		N7AU	KB2YSI
W0ZY	KI4TZ	163	N9OBE	N0TM
W1MAD	NS3L	K2JF	TG9ANF	N5ZBI
WY7FD	W1PX	K2YSY	VA3NQ	NY4I
	WA2KBZ	K3EA	WV8DX	W6VNQ (CM88)
177		N5XZ		WB6RAB
AG4ZE	170	W3TW	154	
K2QQ	K5DB		AE4NT	147
KI4BWW	K9TVG	162	KB9VMW	AF6AV
SM7FJE	N4GBK	AF4GK	W3ZQN	IZ1LBG
W5ZG	N8CN	K0QB		K6PSP
WA8UEG	NA2U	KA1R	153	KC1BUF
	W4IHI	KD4TDI	AA4NC	VE3CX
176	W4JKC	W9JJB	AB4GG	W4YCC
AD5ZA	WK3V	W9VS	JA1OVD	W5WOX
K0DI		WA1Z	K7AD	WA0VPJ
KX9X	169		K7ZD	WA3YQG
N5QGH	KD5OMJ	161	KW0A	
NP4BM	N2BEG	K4EA	N1OFZ	146
W5AFD	N5XES	KB3CWQ	N2ADV	K8YTO
WA5IPS	N7PHY	N2YBB	N6DHZ	KB0YH
WW2R	VE3HHT	V44KAI	W3DQS	KB5ZEA
	W8KNO	VE3LC	W5FI	KC2TN
175		W4HOG	W9ILY	KM5TY
N7LAN	168		WB5ZAM	N4HID
PV8BR	KG5ZMQ	160		VA2RC
	W8WEJ	K5IQ	152	VE1VOX
174			N1NUM	
K3MD	167	159	N2WM	145
K6WRL	K4MQG	K2SD	NU1T	KD7YZ
KC6ZWT	KB1YNT	K4MZ	UT7QF	V31MD
KG7P	KE5EP	NS7B	WO4G	VA3TTX

WA4JA	139	BA4SI	K5QWO	KD5FTD
144	CT1BWU	C6ABB	KC8KSK	KM1C
K0TLG	IZ8FFA	HK3W	KF4NEF	KT5MR
K5TDW	K1DT	KE5FXE	KM5LY	N0SL
K6JRA	KC7JPC	N3AIU (DN70)	KM5SC	N9AZZ
K8MN	KU0G	N8GOU	N9WBR	PV8AAS
K8WU	N3FX	W4TKI	NZ6N	W0PE
KA8SYV	NA2AA	WA3WZR	128	W1TAM
N9DI	W2PD		KC7QAG	W7YM
W5MPC	W4OV	133	KJ6SDF	W9CDL
WO7GI	WA5TKU	AE4M	KN4DMN	123
143	WB2JIL	KA5ETS	W0WT	AC7AF
K0KVR	WY0V	KC1RET	W5ZO	K9SM
K6JBH	138	KE1VT	W8FR	KB0GT
K9QFR	AC0XY	KM8V	WB2WEO	KB0STN
KB8RJS	AI6O	N7T	WQ7F	KG6DHQ
N8URE (FM19)	KD7WPJ	W0RT	127	VE3TG
NA1VT	KE0A	W4GE	AA9RK	W1HS
W0HNM	KE3D	WW7Q	K3GYK	W3SE
W0UHL	KE8RO	XE2O	K7UV	W4DFU
WB0MMC	KQ4KX	132	K8AC	W4PRZ
WM5H	N3XH	AB3CV	K8OS	W5EWF
142	137	K5VG	KB3OZC	W7MHW
NA2X	N1SZ	KW4G	KB9TLV	W8BI
NC4VA	N5JGK	N4PPH	KC0RQH	W8KHP
W5SWV	SM7AED	NE1I	N2ZA	WA8WV
WS4V	136	VE3TM	NO8D	WB2RVX
141	K0XXX	WN6K	VE2JWH	122
K4AR	K4SX	131	W1FLD	GM4UYE
K9ATX	KC5LK	K3NAT	WA6BIL	K7AED
KT8TD	KC9AXZ	KG9R	126	K7OGW
N9FIV	KJ5RM	N2CJ	K6XC	KA9JAC
W4FS	KV1E	130	KJ7G	KB4UF
W4POT	NO1R	AB0X	N0BDS	KB5WFE
W6ZI	W2JCN	AK8CW	N7DGI	KC5UGX
WB9WHQ	W4AVV	K0GUR	WB4HUC	N5HYV
WR7AY	W7UV	K4JKB	YL2AO	VE6PY
140	XE2JS	KC4NX	125	VE7JAC
AC5DK	135	KE8RJU	AA7DK	WD0GTY
CO2WF	CU3EQ	NG9R	K3PU	121
K1UO	K4MWB	PV8AJ	KC5DRI	AE1P
K7SAM	K8ZIZ	VE1DX	KD2NF	K0MFI
KC0MEZ	K9TF	VE2TZX	NT7C	K4HBI
KC8TMU	N4DB	W0PHX	W2AJM	KB2WAL
KJ4KVC	N8XE	W2LES	W3UQH	KB5MH
N1EN	W6BXQ	W3FEY	WA6POZ	KE4JFS
N3VOP	WB8BZK	WA2SEI	WB4OMM	NE0P/9
NJ0U	WW2DX	WB4YDL	WE1P	UR0MC
VE3KY	XE1H	WW5W	124	W8DN
W4TUN	134	129	K0DLW	WB9TFH
W6DQ	AB1NS	8P6ET	K8VA	120
WA4KXY	AB4GE	JF4VZT	KB0HH (EM06)	EA1YO
		K0KD		K2CYE

K4CGY	116	W6OAT	N5DD	KJ7TH
KD0R	K4RGN	W7IV	VE3SUB	N4NQY
KD4MZM	KI6QDH	W9PN	VE7IG	N5SAN
KD5BRF	KU5B	WA8TWM	VY2RU	N7YY
KE4SCY (FM06)	N0VR	WX3P	W4AMP	NE9O
N3YPJ	NO0B	XE1GK	W4CRN	PU4JOE
VE1JC	W0DHB		W5AAJ	VE3VRQ
VE3XK		111	W8EH	W8MIL
W4LVH	115	N0SLT	W9VNE	W9RVG
WA6RAY	K9MMS	N8IK	XE1R	WA4MYO
WB0WAO	KE6TVM	PC3T		
	KF0QS	W8GBH	107	104
119	KM5FA	WZ8P	G4BWP	AB9YC
K0AWU	WA3BZT		JA3EGE	AC5K
K1ZN	WC7V	110	K5UIC	AC5RN
K2SQS		K5KR	KF7PG	AC9QR
K7JIZ	114	K7LD	KI9A	IK4DRY
KF7PCL	AC8HU	KD5J	KK4LUM	K5PPP
KP3V	JA3LZS	KI0F	N3TTT	KB9RNO
KT0P	JR1BAS	KP4JRS	N9OI	KC2TR
KW7N	K2RET	KQ4LA	NF0T	KD9GKL
N4UPX	K3RTU	KX5U	US0KW	KJ7OG
W0QC	K9AAN	N5TIF	W2ODH	KM6WXB
W4SW	KC4GCK	N5YM	W2TTT	KO4LZ
W7QQ	KG9Z	W5DM	WB4PPW	N0STP
WI4T	NF8M	W7JET		N1LDY
WM9M	VE1WOW	W7UP	106	N2FBQ
	VE3IRR		K0MEI	N3UPS
118	W2JLK	109	K5BJW	N7AGF
J68AS	W4ALF	AK6ZZ	K7BWH	NJ1H
K2GW	W4UFO	IW1ARB	K7JE	VE2PIJ
K4AZV	WO2C	K2DSW	KB0TIJ	W1TE
K4MSG	WX4US	K2JGL	KC7ICM	W1ZE
KA4LBD		K2OO	KE5JXC	W4KVS
KF6MXK	113	K5DNL	KJ6MBW	W6ZQ
KI7BP	AB4PM	K9GY	KK2DOG	W9MDB
KT8X	AD5MD	KE6GLA	N0RQ	WB2VUO
KW4BY	K3DQB	KJ6CA	N1USB	WB8BZK/VE3
N1QDQ	KD4BPZ	KZ7N	N2IPH	
N3JNX	KD6VCD	N8TMW	N4CE	103
N5EIL	KM5OL	N9TTX	N5FPW	AA5CK
NZ1I	N3JDQ	NN9X	N5YHF	AB0YM
W2AC / WB2ABK	N4YCI	VE3AAQ	N8HM	AB5SS
W2AC/WB2ABK	N5YK	W0YJT	N9XMU	K2OY
WB2KSK	W0BM	W1OP	VA3OKG	K4MVL
	W8MSP	W4ZRZ	VE3AJY	K8ZEE
117	W8VW	W5MPC/1	WB6VYH	KA1W
AB5J		W7RJR	WQ9F	KB0FHP
K4WS	112	WB6YIY		KB2SGX
N4USG	IK7EOT	WB9W	105	KC9FFV
N5JEH*	K2MLS		AC4Q	KF0AIJ
NU6V	K3GD	108	K4SJA	KF4DVG
W6WE	K5WTA	CF3VRQ	K9MAL	KR4NO
WA1TBV	KA7T	HB9BZA	KB3JGS	N0YXE
XE2PXN	N5HMH	JA9IPF	KC0JYT	N1JIF
	W1TR	K5OPB	KC4KK	VE7DXG
	W5DQ	N3MWQ	KF4DGS	W0TF

W3LEO	WB8IMY	N7JPF	97	KD6PY
W6IT	WD5IYT	N7TE	AB8M	KI5TE
W6XU		N8GHZ	AJ9C	KM2O
102	100	N8YV	K0HB	KM5NU
AA9MY	AC0FT	N9MKC	K0JQZ	KS4V
AB8JH	AI2S	NB5R	K0QEI	KT5RR
AD6KH	AI9U	NH6CJ	K0SH	N0WVU
EA4DEI	K2UA	NI5W	K0YQ	N2LID
K0HAQ	K4UQC	NS2P	K3HZO (FN20)	N2VHZ
K3HW	K5GM	VE2HAY	K4GTR	N2XK
K5VR	K5KV	W2HOG	K4JQU	N8PAQ
K9AM	K8IJ	W2VU	K8XF	N8YBY
KA3ZLS	K9CC	W5JLC	KA2BSK	NT2A
KB8CR	KB9ZLB	W6TJU	KA7EII	NW5Q
KC6WFS	KC2HLI	WA1LAD	KC0YBM	NY2Z
KC8DMN	KC8CC	WA5TRX	KD5CKP	VE2DCP
KD8NYO	KC9CMT	WB5NHX	KF4KSN	W4KK
KE1AU	KD3SW	WB7VVD	KM4NYI	W4TMR
KJ4M	KE5CVM	WK5X	KT5WB	W7JHS
KR5V	KF0Q	WW2R (EL09)	N1VMJ	W8DM
N1HOQ	KG5X		N3UMA	WA3EEC
N5RMS	KJ5OA	98	N4BH	WB0M
VE7ZD	N3TBB	AC2RL	N5OTY	WB5KJE
W4RVZ	N4NIA	AD8Y	N6MA	WP4LNY
W5DPT	N5XTR	K0KC	N9APK	
W5OV	N7EME	K0UD	N9IO	95
W7UT	N8COP	K3IXD	N9KY	AE0G
W9NFL	VP2MRM	K3QIA	NK7C	AE5EO
WA8EQP	W2CH	K4OP	NU0Y	K1PNQ
WB5FDP	W4/KL7GLL	K5HOB	VA3FIN	K4ED
	W4OZK	KA1EKR	W3QT	K8KFJ
	W8BZY	KE4LGL	W4CWA	K8ME
	W9DQ	KG4YOU	W4DAS	K8VD
101	WA5TLP	KG7E	W4ID	KD7WH
AE7V	WV9E	KJ2G	W7DN	KD8DR
K0RAR		KK0CQ	WA6OSX	KD9ZR
K0SBV	99	KY0Q	WA9LEY	KF6XA
K0WJ	AB0SD	N0JJQ	WB8RVK	KI0SK
K2NUD	AB3TM	N1JHJ	WB8ZTV	KW9U
K5DWI	K0YO	N3LRP	WB9PNU	N1XK
K5HX	K4KEW	N5TEY	WE8L	N2SLO
K7SYS	K4WQ	N8AID		N2WLS
KB4KBS	K4ZO	NO5X	96	N3WAV
KC6AWX	K5VPQ	NO8R	AD5OW	N4ET
KC8CSD	K7DD	VA3VF	AE4TQ	N5BLY
KG8WB	K7PAP	W2KRP	AK4F	N5ENU
KG9IL	K9ZZE	W6TE	K2UF	N5KI
KR4WM	KA0ZEE	WA2FGK	K2UNK	N9IV
KR7LD	KC2IEB	WA3TLT	K4EQH	N9LJX
N1IX	KC6X	WB1GQR	K5CRJ	VA3KS
N4AOE	KD4MWO	WB2YDS	K8EMR	VA3PZ
N8VEA	KD6RUH	WD0E	K9OT	VE3KZ
N9DVS	KR4UA	WH6LR	KA2NDX	VE3SPW
ON9CMR/W0	M5MYH	WT5H	KA3HED	W4YZJ
VA2LGQ	N4FV	WV5Y	KB5GI	W5ADA
W4LLP	N5OHL		KB8PNS	W5CBF
W5KBD	N7HRT		KC0HBP	W5RCQ
W7ISG				

W7JWC	WA7LHZ	K5GDX	N8DEZ	K5JAZ
W9SX	WA9BXB	K5TDA	NA7L	KA0MWA
WA2ONK	WT9U	K7FU	NR4J	KF4TVL
WA3I	WV7S	K7HKR	NU4N	KI0G
WA4WR		K7UWR	OE9KFV	KI4FW
WB2SIH	93	KB0PQP	W2SUB	KI4US
WD8DOT	AG2A	KC4JNW	W4MLN	KR4U
WS4S	AG6CV	KD4QMY	W5KDA	N2GZ
XE2AT	AI8F	KE4WBO	WB0NRV	N5KAE
	K0IW	KG4URP	WB7X	N8YSZ
94	K1PTF	KM3V	WC4V	N9RG
AA4RP	K1ZK	KR7X	XE1GZU	N9UDX
AB4VT	K2AK	N2SG		NE2U
AD1DX	K2MTS	N3GH	90	VE3VCF
HK4SAN	K4DAM	N4VN	AA0LM	W0HRO
K3BEE	K5TRI	N5QO	AB4WL	W1HY
K3TUF	K6RM	N6RPM	AB9DU	W2JEK
K4JRK	K7IP	N7DED	AF5BG	W2OK
K4LDC	K7TRK	NS6E	JH4JNG	W4ZMM
K4YJ	KB0USF	UT5JAJ	K1HC	W6VNQ
K8GT	KC5TGT	W1PV	K1KA	W9HT
K9DOG	KC5TT	W2ACY	K3CWF	WA7SDI
K9SUL	KC9TTR	W2CVW	K3UAL	WB3IAL
KA2F	KC9UL	W3ACO	K4AAP	WM6Y
KA9UVY	KD0QG	W3HZU	K4FTP	WQ5C
KB7AK	KE6AZX	W4BP	K4XZ	WR5AY
KC0AUJ	KE6UMW	W4LIA	K8EAB	XE2NL
KC3AK	KE8RPJ	W6NS	KA5TJI	XE3DX
KD4VRZ	KI0J	W8JV	KB5FHK	
KE3WM	N2BX	WA3JKB	KB7BSA	88
KF0LA	N2YTF	WA4EEZ	KK4DZP	AA4QE
KG4NLZ	N3AO	WM3O	KW3DX	AE0DX
KU4JZ	N3ZBK		N2ULL	AE4OF
N0LNE	N4GOA	91	N4BRF	AF4MI
N0LP	N4YHC	AA0CW	N5BA	K1RS
N2SU	N7EGY	AD3Y	N9JJ	K3TN
N3JBH	N7JI	AE5AU	N9MSG	K4XD
N3XBG	N7KSI	CO2WZ	VA3XOV	K7CTV
N3YUG	NA9D	K1UR	W1HMM	K7WV
N5ZMP	VA7QI	K4SPA	W9CPV	K7ZYV
N6HY	VE3WMD	K6YK	W9CSY	K9JF
N6MXU	W0MHK	K7HPN	WA2BEV	KB2KIR
N7NH	W2VTV	K8OI	WA8OJR	KC1GWX
N7UN	W3ZGD	KB2YWU	WD9HCF	KC3MLC
N8WWM	W4GPM	KB3NDS	WE7H	KE7RTB
N9DD	W5DMT	KB7AZ	WEST SEATTLE AMATEUR	KE8UM
N9UNX	W6IA	KC5POV	WH6LE	KI2D
VA3MA	W7EIR	KC8LGL	WT4C	KI4RFM
VE3RX	W7TRX	KG4QWC	XE3/K5ENS	KJ4KW
VE5MX	W9IFW	KI3O		N1CEO
VE7AB	W9NED	KI5BLU	89	N2MKT
W2GR	W9WI	KM7N	AB1TZ	N2ZN
W3IPA	WA5ICA	KM9I	AG7NR	N4CAG
W3TA	WB5CON	KQ6K	G4NBS	N4GN
W4LNG		N3PPH	JQ1TIV	N4KIN
W5ODD	92	N3WCM	K4BMM	N4UC
W5PUF	K1EY	N7CZ	K5CX	NS3X

NT4TN	KC0V	81	WP4NEG	65
VE2VLJ	KE4DRF	AB4I	ZL3AAU	JA1XEC
W2BZR	KK4AND	IK8YTA		K5EJ
W3YX	N2RJ	KE4DZU	74	N7UJJ
W4DL	VE3GFN	KG4ERR	AK8B	OK1MP
W4RXR	VE7DAY	N6MM	CX4AAJ	W4CCS
W7HDD	W1WV	N7NEV	KF2TI	
WA2BTR	W3STU	NI4Y	LU4FPZ	64
WA5MD	W4IT	W3MC	TI2CDA	JG2TSL
WK3N	W4RA	WA8ZNC	VE6SO	
XE1SOV	W6ST	XE1EE	WC6DX	63
	W7SIR			EA1DR
87	W8DQ	80	73	KB0RFY
AC0A	WA4WKL	AC6BW	JF1IRW	SV1RK
AG4I	WD4LSS	KE4PT	VP2MJD	
K4JC	WF4R	KW1DX	W4WT	62
K5UZ		N2NS		K4DXA
KC8NAH	84	VY2HF	72	
KE6WOX	CT3FT	W5TTY	AB1QB	61
KI6RRD	K4EZY	W6TCP	N4II	CU3AN
N0ELA	KE6NDG	W7AM	PV8ADI	
N2CJN	N1KI			60
NA5DX	N2NWS	79	71	KP4JFR
NE5S	VE2WBK	K4RW	IC8TEM	S55DX
NI5F	W8PU	KP4N	K0GW	
NN7RM	W8SGR	N2COP	K4GK	59
W8GOC		N5YJZ	K5WPN	OE6IMD
WB3IGR	83	N9RC	W2YR	
WB8JAY	AA6E	VE3CFK	W3FGP	58
WF4W	K1LH	W2GW	WC5M	HB9BIN
XE1RBV	K4SQC	W2SKI		KC6NBI
	K6JJ	WN0L	70	SV8CS
86	K8SIA		GI4SJQ	WA2MUA
AG1T	KB3HHA	78	K4BNC	
K7FB	KB9LIE	K2QPN	KC0ZRX	57
KA9OKH	KK7BV	TG9AWS	W2LV	HL2EIZ
KI6HQT	KU4WW	W4NE	W2QO	N5LJL
KN4MMH	TG9AKH		W4GP	
KP4TB	W7USB	77		56
KT1R	WD6T	K1IFJ	69	EA5BY
N2NF	WD9IOK	M10AYR	K3WGR	KI5WA
N3MVF	WI6Z		WD4LBR	LU8ADX
N8TFD	XE1MM	76		NI6T
NZ3O		K0WYN	68	UX1UA
VA3MDB	82	KI4CYB	AA4S	
VA7LM	AD4IE	KI7WXP	EH7CD	55
W8IW	KC5YKX	N1GNB	K6CF	LA3MHA
WA1PMA	KG4KVZ	N2MH/4	KW4OV	US5WE
WA4USA	N1SF			WA2EMF
WB4GCS	PU8TEP	75	67	
XE2AU	W5DAS	G4RGK	W7YED	54
	W7YOZ	K3PP		AG4KI
85	W8GG	K8QM	66	
EI3IO	WA2ONG	N5GH	K6KLY	53
K1UU	ZS6NK	NP3YL	KK4YEL	K0BBC
K4LRP		NX7U		PP1CZ
KB3MXK		W5UC		

51 CT1ETE N8OFS VE9FCP	G4FKA IZ8EDJ K8YSE	KC9ELU NL7CO WP4NIX	17 G3LZQ OE3SGU PY2XAT W0JM	10 DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW
50 JL3MCM	37 JA9APS	26 HL2WA WB7QXU	16 N6VHF	9 DL7BA EB1EWE EC7ZK G6BFP JA1MZL KD3UY VK9DX
48 G8BQX JA9KRO K15KC N6DBF N8MR NP3IR SP5QWB YY4DNN	36 HB9RUZ JH9DRL	25 EA4/K1WE HB9EFK	15 9K2BM EI2GLB HL4GAV JR3UIC LU5FF PY2RN UT3UA UX0DL WC2C	8 DK2LO HB9ALO JA1CPU JA2FGL JE3PCP N8RO
47 HB9RYZ	35 GI4OWA LU9DO	24 EI2JD KS4YX ON6AB PA7TWO	14 HB9HIT JA2XCR KB8DVT PV8RR PY2OC W9TTY	7 G8APB IZ0INX JA2NDQ LA3DV N5ORT NJ4Y ZS4TX
46 LU2DX	34 BA7NQ G4SEU LA2QM	23 GM4ILS HB9G JL1UXH K4SLC KP4EIT LA6OP W8MK	13 K4WY PY2MC W4PWF	6 CT2FEY DH0GSU DL1TRK EA8MT EI2JC HB9FMN JA7NGE JJ2NWI PY2VA
45 JA6WJL K4TXJ	33 HL2IFR UR5WA UR9QQ W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH	12 EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB	5 DL5LH EA1AAA EA7ZY HB9GWJ JE1LFX JI5USJ JJ1IDW KB8VAO EN91KT M1VPN MU0GSY OH4UI
44 DL5XJ WO3T XE2YWH/1	32 N3LRH N6PAZ NP4TT SM6WET YL2JZ	21 EA1YN	11 A65BR DL2OE EA4DAU EA4ZK F4BDG G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU	
43 8P6SH CT1EEN K4ZIN SV2AEL	31 HA5PT	20 CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA		
42 TF3JB	30 E72X JA1WSK JO7WXN WA6DNR	19 EA6BB JI4WAO PY2HN SP8NR		
41 K0BBC/R	29 JE1VTZ OE4VIE	18 AJ6V KJ4EU W0HBH		
40 E75AA JF1LMB JR0QFA WB8TGY	28 CT8/K0RUI JA6CRP K0FMI OH3DP			
39 AA5PK	27 IZ4DPV JL3LSF			
38 DD3KF DU1EV				

ON5UE	ES8JX	SM6LPG
PP2RON	F5TMJ	SQ5NRY
SK6QA	G0THY	UN8G
VE2NGH	G4DDL	UR5EDX
VR2XMT	G8GNI	VR2VGM
W1ZR	GI4ONL	WB7VUF
W2ZF	IK1IYU	YL2CA
YL2CZ	IK2GOQ	YO8WW
	IZ8XQC	
4	JA6AVT	
DL1TS	JA6SZV	
F1DFR	JA9FAI	
IV3GOW	JG1JPE	
JH7IPR	JI2UDK	
JK6DXD	K7LY	
S51NM	KEN IN NEBRASKA	
UT5EL	LA2CQ	
XE1SAX	OH3KAV	
	SV1XV	
3	SV3FUO	
DJ5AV	YB2DX	
DL2KQ	YL2KF	
EA1AR		
EA4D	1	
F1RAF	3A2MW	
G3LHJ	9A2EY	
GM4CFS	BD4UJ	
HA9PP	CT1AHU	
HL2ZN	DH8BQA	
IK0WRB	DJ3ZF	
IK3ITB	DL2DCX	
IK8EPC	DL4ZAB	
IK8GYS	EA3WD	
IW3GJF	EA4GQS	
JH7IMX	G4VSS	
JM1GHT	G6MXL	
JN1BPM	G7SQS	
JR6IQI	G8TTI	
OK1IN	IK5BSC	
PY5IP	IW0AFS	
SA7CJO	IZ0BTV	
SV1VN	IZ3DBA	
W1CBY	IZ5FSA	
WD9EWK (DM43)	JA1GZK	
YB1TJ	JA7VXB	
YL2MU	JH8XVT	
	JL2ULM	
2	JN3ONX	
5B4ALJ	KC3KJQ	
7J1ADJ	KG4JSZ	
9A2GA	KH6WI	
9K2NO	KP4DER	
BV6CC	MM0INH	
CO6CBF	OK1UU	
DF8FT	ON6NA	
DK1CO	OZ1IKY	
EH4BPJ	SM3GBA	