

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 (08 May 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	453
AA0MZ	W7MEM	W5VY	AF5CC	K4YMQ
AA5AM	W9FF		WD5COV	N4JQQ
AA7A	W9JN	481		
A15I	W9RM	K0TPP	469	450
K0GU	WD5K		K7BG	AJ4F
K1TOL	WQ5S	480	KM0T	K4SO
K4PI	WS9V	N7KA	N4TB	N5EKO
K5RK		WB0ULX	N7ZO	N9BX
K5UR	487			
K5WE	AA5C	479	467	449
K7CW	K4XO	AD6D	AD1C	K4MY
K9CT	K7MAC	W5WVO	WO7R	KF6HI
KA9CFD	K7TM	W9VHF		W8TN
KA9FOX	K9YY		466	
KD5M	N0AKC	478	K0BJ	447
KG5CCI	N7CW	AE5B	KA0JGH	K4HB
KM0A	N7IR	K5GZR	KB6NAN	KS7S
KO9A	N7NW		WX7M	N4SC
KR7O	N9ISN	477		W3UR
KV5W	NA6L	W9RN	464	W5EME
N0LL	W9XX	XE2CQ	KB9OWD	W5XC
N0LWF				
N0TB	486	476	463	446
N1AV	KY7M	KC7QY	N5KO	K6EID
N3SL	N0KE	KC7V		NV4B
N3XX		XE2OR	462	
N5DG	485		K6ZH	445
N5OMG	K5XI	475	N6ORB	KU7Z
N6JV	K9MU	KX4R		N5NA
N9LB	N0POH		461	
N9UM	W3IP	474	NA9RB	444
ND0B		W6XK	ND4X	N7BAV
W0FY	484			W4DR
W0JW	K0SIX	473	458	
W0LGQ	K1TO	N5WS	KG5THG	443
W3CP	K8SIX	NQ7R	N9BCA	N4MM
W4UDH	W5ZN	WA7HQD	WB9CIF	
W5ADD		WB0O		442
W5AFY	483		457	N8OC
W5FF	AC0RA	472	VE3EK	
W5KI	K1USA	A11K		441
W5OZI	K5ND	KB7ME	454	K4XP
W7GJ	W0VTT	N4WW	WE9R	
W7JW	W5AJ	WD8JJA		

440 AG9S K8TB W2IRT	427 N4QWZ W3LL	413 WA9LFO	396 KB8U	382 K5PI K6VHF VE3YXO
438 W3LPL	426 K8ZR N5OK	412 N2NL WB7CJO	395 AA5XE K0AZ K5WBM KF7CQ	381 W3VZ
437 NY0V XE2K	425 WA1EAZ	411 K9MK	393 K7XC KK4MA W4TV	380 AB4SF K7MCX NM5U WA5LFD
436 AB4IQ K7PI KD3CQ W3TC WB8ART	424 N4UFP N9AKR W3EP	410 KE7SW KI8G	392 AF4HX K7SMA VE4EAR W6OMF	379 N8WNA
435 K9KLD KF6A	423 W5THT	409 N4HN	391 W4AVY XE2YWH	378 AA5JF K8VFX N2WK
434 NE1B	422 VE6WQ	408 W7BA	390 NA6MG	377 K6QG WB4OQX
433 N9FN W9WO	421 K8ROX N5TJ N9PGG WB8ZBT	407 W4AS W5CIA	389 K0IP W4WRL	376 N1EVK N6GP N7DB
432 K6GXO KB8VAO EN91PB W5TRL	420 K4ZOT VE3LYC WB8BPU	406 AK3E K6FG N9EAT	388 KV4T N4CH	375 K4SSO
431 K0TLM K1HTV K3SX N2QT	419 K7NN KB9DAK W5AL XE2X	405 AA4SC K5CKS	387 N7IJ NN4R W5TFW W7AH WE4S	374 W5MO
430 K1TEO KF8MY NI0G	418 AJ4A	404 KE8KMX NH6T/W4	386 KF0M NK1K VE6MB W4WTA	373 WA6BYA
429 K1SIX N4QS WA5JCI	417 K4RWP K7ND	403 W0JRP W3UUM	385 K1GG K2TER K8ROK	372 K5TN KN4SM KS4YT N3MK NT0V
428 K9APW KP4AJ N4TL	416 K5OMC K7AWB KO4MA N5SYV W0GJ	402 K3FM	384 AA1ON K1GG K2TER K8ROK	371 KF8UN N2DPF
	415 AH0U K7KQA W0GN	401 K4CKS	383 N4UFO	370 W5RCI W6GMT
		400 K5RT		369 KR4BD

NT9E W7YAQ	354 AB1OC K0DEQ	W5VAS	329 KC0UDO W1DYJ W2OR W8WG W9XA WX4G	319 N7US W4ER
366 K17JA N4LR	353 AF2K K0CS K8EB	338 VE3SXE WA5KBH		318 N3ALN W4HY W4MAY
365 K4JJW KG7CW KZ2I WB4EVH	352 NZ3M W0KKK W1JR W7FI WA9PWP XE2ML	337 K8ZES WA5RT	328 K6ME N3RC N5PT NK0S W2CNS	317 VE7BV W1SKU WA7PDC
364 AA4ZZ AB5EB N6QQ	350 AA4FL K7XB N6VI	336 K5KDX K8GI K9QVB/9 VE3DS WO9S	327 AC9DX K6EME KJ5RC N0YO NU6S W9DCT	316 K3FN KA0ABA N1KDO W4UCK W9BWR
363 W4NH	349 K8JH KA0BAD	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	326 K2ZD K6LMN W7JLC	315 K5VH KG6AY NY2NY WF7T
362 WA5OLT	347 KT8O	334 K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	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 KI0E N8II NJ6D W8KEN WW0E	312 AF6O KA2GOJ WA1NLG WB3LHD WO2T
359 WR7X	344 K6FW KB0PE W1OW	332 AA7UN N4JDB N7KDT VA3IKE W9GM		311 AB9BH KM3T W2BZY W5DB
358 K5RLA N3OC	343 AB4EJ K5EK		322 VA6SZ	
357 JA7QVI K4LVV KV7K NI0P W5PR	341 KD7DCR WA7YAZ	331 K8WDA N4MW N6KZ		
355 KC4HW N2ZX WA9DU	340 N0AN W8LMG	330 KB8MBC KG8P		310 AA1QD AA8SW NG7M VA2WA W9KVR

WO4DX	WB5GVY	W4HLR	N8BJQ	N5EPA
307	298	287	NN1N	N5WD
KE5K	KD4WSC	AC9S	WA4HFN	268
KS4S	N1NK	JE1BMJ	277	K6OJ
W3ATV	N4IQ	N8CGY	AC7JM	KX7L
W9RPM	297	286	K7ULS	N9ZTS
WB4KTF	N8YQX	AG1A	K9UO	W0KAN
306	N9LF	NC6K	NS4T	267
K6RO	VE1JBC	285	PV8DX	K8DP
K7BV	296	K5CZD	276	KG6EG
VE3XN	K6YUI	N0LD	K2CS	KX9N
WV9L	KC7RW	284	K5TWJ	N2AMC
305	295	AB0RX	K7TAB	N3PS
K6UM (CM88)	KE4P	K0KP	275	N7UVH
KF2T	N7NT	K4DET	K1MAA	N8EHW
KT1J	W2HRO	NJ2F (EL96)	K2NJ	W4FSO
WA9M	294	RETIRE	N4GG	W5WP
304	K6JSV	283	W0FK	W9DRB
K6IPF	N8HRZ	W8OP	W8PI	266
W4FC	293	WA0FQK	WA4NVM	K1OA
WA0GUD	K3AX	WB0CQO	274	K1WVX
303	K4KJZ	282	K2UU	KE8Y
EA8DBM	N4JJ	AA0ZP	KB1DMX	TG9AJR
K8TGC	N4MI	DK8NE	273	WB8EJN
K8TL	W2GKR	K5TA	KM4H	265
302	W4VC	N0GZ	NA5Z	N5KS
KB2TGU	WA2IIE	N8JCM	WB0OQV	264
W3TI	292	W4WM	272	AC8L
301	KJ6P	281	XE1AO	K2BLA
N0HJZ	W1SSN	K4OY	271	K4JAF
N2ZZ	291	W2YE	K4NNX	N0TK
W9OBG	W1WHL	280	K7NII	NF1O
WB0TVY	290	AC5D	KB7FUV	263
300	WA8EFK	N0KV	KD5XB	AK4PR
AA4V	289	NM5Z	W3HHN	K3VAT
K0DD	K4MM	279	270	K4XR
K0PHP	K9FA	N3JPU	AA8MA	K9AAA
K0SRL	N5BCA	W0RH	K4SPD	NJ7G
KB6VFC	NQ7G	W0VHF (EL87)	KC9FQD	WB7QBS
N3KN	W4LTJ	W3HDH	N2LIV	262
WA2BAH	288	XE1FAS	W4QK	AE5FM
WX0Z	AA4LR	278	W5DNT	K1ST
WX2S	HC2FG	AA9D	W7JY	K3CWH
299	K1NU	AJ4W	WZ9B	ND4DX
VE6WK	N6AR	JG1TSG	269	WA0KBZ
W1LE	W1DU	K3JT	K2IE	261
W5SUM		N0LNO	K3ZO	AF2F
W8UV			KD5R	K3TWK
				KB8UUZ

N3EW	NN4RR	243	234	N7CNH
260	VE6NTT	JA1QJI	CT1EEB	N8UR
JR1LZK	VE6SH	K3TC	KE6FCT	NM5S
K6JAD	251	W4EJ	233	W0VX
N6HC	AD5JK	YV1DIG	K1AFC	WQ6Q
259	K1NJ	242	N3AIU (DM45)	225
AK0MR	K3NK	K3WW	N9NJS	AC9O
KD4ADC	KG7NV	KA3TCC	VE7VZ	K9QJ
KG6I	NN4SS	N8LRG	W3DF	KF9UG
KN5O	250	WA8MCD	W8PAT	KX9X (EN50)
N1RR	AA9LC	241	XE1L	N2WSY
NS7K	K0CCM	W5LO	232	N4SV
NY1E	NW6R	240	AE4WG	W8AKS
VE6BMX	249	AB5GU	K5FO	WN6W
W2JU	K8AO	KG5EIU	KL0S	224
258	KL7HBK	KI0HA	MD0CCE	JP1LRT
K1BD	KQ5U	KK4ZUU	N9NJY	K3FRK
K2HAT	N1GC	KO6LU	VE6TA (DO33)	WA4YA
NA2NY	248	VA3HP	231	223
WB7ECS	CT1IUA	W1VT	K4MIJ	GD0TEP
257	K1ZZ	WA2VJL	K6HEW	K1GJQ
K2KA	W6VFA	239	KF6GYM	K7UA
K5QE	247	F4BKV	W9XT	NJ7A
KD4MYE	K0PG	KF4LVF	230	222
N5DTT	W1FKF	W6RW	JM1IGJ	K0YY
PY2XB	W3TEF	W9YOY/M	K1ZE	K2TV
W7CT	W9TA	WA3SEE	K5DTC	K3AJ
WA2HFI/0	246	WB1FLD	KO4MM	KA1LMR
256	K0DAS	238	VA3XJ	KD4K
K3WA	KK8X	AA3GM	WB0WAO/8	WA2BOT
N8ZJN	N5TIT	N9JR	229	221
255	W0PR	237	K6RG	K5WMH
K8MVZ	W4FRA	K3KO	KB9RUG	K6CQR
KG4JPL	245	K4QE	KD5IKG	N0PSJ
KS4XQ	N1IA	236	N4NX	N4ION
W0NOZ	VA3CW	K0SU	NN5DX	N5UWY
WA8KNE	W3SW	K4NK	228	220
254	WA8ZID	KV1J	K5RUS	HC1BI
KF8QL	WI7P	N3FTI	K7HSJ	K7BTW
N7QOZ	244	N9ATD	KF2ZQ	219
VE3OTL	AA9RR	N9AJX	N8AIA	AI9L
WD5ITW	KD8JSP	W9OO	W5HEZ	K2RKJ
253	N3AIU (FM08)	235	227	KE5RV
KG4ERR	N4JRY	ND0C	JA1UAV	W5JMW
N2XQM	VA3ZV	VO1GO	K8ZT	W6DPD
252	VE3VHB	WB6RJH	KS9A	W7ZSL
AB5A	W0VD	WT2P	W4KXY	WB2WIH (FN20)
K1ACL	WD4IXD	WZ9W	226	218
			AF5WN	K1XH

K4IJQ KB8KVJ	208 AI2N CO8DM KD5HIO PV8ABC	201 AA7WB KC5FP KO9V KR0I NN0K WA1MKE WA9ASZ XE2N	194 K2MRK N3FA N9NFT WF1H WK8A	186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE
217 ND4V W4DEE	207 JM1SZY N1BCL N8NJA		193 K7PT K9AB	
216 K7RB N0IS NE1F W5RWF	206 AB0CT AK4Y K9YC (EN61) KB0LYL N4ST NA5Q PV8AZ W4EJG XE1J	200 4A2MAX N5AO N9AG NA5C VA3VU W1AW	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	185 AD6W K2WJ KD5BQT KU4UC N2YU NA2R PY5CC W3OU W5BPT
215 AL7OC K2SX K15FJ N6KW	205 AF4OD K8SD KE4HOA N5ITO N9ATF VE3MSC W8QID	199 JA8ISU K4GHS N3KJV NJ8J W0BNE W4OEP WB0YEA	191 K0ITC K3HPA K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q K0DEW KB1HY KR4M N1IBM N4BG
214 KB9PJJ VE3SYK WA7AJ	204 IT9IPQ K9MQ W5LUA	198 AC8TO N0UK N7EPD NX0I WA7KYM	190 K5ER KC2DLD N9UA W1ATV W2OO	183 K5RQ N0FJP N0PB N0UBL W2UDT
213 K16X W0NBC W8RD	203 K0VSV K3DFL K5HYT K5LOW N0HF N6NU N8SYF NR0Q W1RM W9GFB W9VOB	197 K3EGE N4BAF W3TW W5CTV W9TD	189 KC0MEA WA5VKS	182 AJ6T DF3CB FP/KV1J K5GMX K8WK W2CCC XE1CL
212 AB5C K6TDI KF7NN N2OA N5PA	202 K1BZ K5GJR WC7X WF8Z WQ5W	196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	188 AD7KI KD4HLG W4AZR W6AER WA7VHF WU9Q WX9M	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF NY0A W2ZDP W4RBO W9BS WJ1B
211 K8YC K9FOH NE8S VE3SMA W5HNK		195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK W8GJ	187 JF8QNF KD3HN KQ0J N1SV	
210 K3MSB K9YC KL7NO N6UK WQ9T				
209 AA4IB N1TQ W0PPA W5WGF WA4NFO				

180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH NI3K W3SZ WA5RR	174 K3MD K6WRL KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI	167 K4MQG KB1YNT KE5EP LU4FW N0NHV NO0T W1BAT	159 K2SD K4MZ NS7B W1EME W4TTO WB8NUT	N2WM NU1T UT7QF WO4G
179 KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	173 K2ZZ K5YPV KE4SCY XE1YY	166 KC2GHT N5VU NC4RY VA3WEB WB4KXS	158 K8CR KI0D N2CG	151 KO0Z W1ZT W2DXE
178 JR2HCB KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VA2CY VE3NRT W0ZY W1MAD WY7FD	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT N1JFU W0RIC	157 4O3A K4FX KB8GC	150 K1EP N9LAH NE6I VE3OAT W7APM
177 AG4ZE K2QQ KI4BWW SM7FJE W5ZG WA8UEG	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	164 K5VWW KD0UHN KF9US W4CSW WK7G	156 K2KJ KE4UW N3RN N9KO VE7VDX	149 AB6CF K4SAN KK9H WB4VHF
176 AD5ZA K0DI KX9X N5QGH NP4BM W5AFD WA5IPS WW2R	170 K5DB K9TVG N4GBK N8CN NA2U W4IHI W4JKC WK3V	163 K2JF K2YSY K3EA N5XZ	155 K3TD K6XN KK8MM N7AU N9OBE TG9ANF VA3NQ WV8DX	148 AC0DQ AG0A G0OIL K0RU K7IU K8DV KB2YSI N0TM N5ZBI NY4I W6VNV (CM88) WB6RAB
175 N7LAN PV8BR	169 KD5OMJ N2BEG N5XES N7PHY VE3HHT W8KNO	162 AF4GK K0QB KA1R KD4TDI W9JJB W9VS WA1Z	154 AE4NT KB9VMW W3ZQN	147 AF6AV IZ1LGB K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YQG
	168 KG5ZMQ W8WEJ	161 K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG	153 AA4NC AB4GG JA1OVD K7AD K7ZD KW0A N1OFZ N2ADV N6DHZ W3DQS W5FI W9ILY WB5ZAM	146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC
		160 K5IQ	152 N1NUM	

VE1VOX	N3VOP	WB8BZK	WB4YDL	WB4OMM
145	NJ0U	WW2DX	WW5W	WE1P
KD7YZ	VE3KY	XE1H	129	124
V31MD	W4TUN	134	8P6ET	K0DLW
VA3TTY	W6DQ	AB1NS	JF4VZT	K8VA
WA4JA	WA4KXY	AB4GE	K0KD	KB0HH (EM06)
144	139	BA4SI	K5QWO	KD5FTD
K0TLG	CT1BWU	C6ABB	KC8KSK	KM1C
K5TDW	IZ8FFA	HK3W	KF4NEF	KT5MR
K6JRA	K1DT	KE5FXE	KM5LY	N0SL
K8MN	KC7JPC	N3AIU (DN70)	KM5SC	N9AZZ
K8WU	KU0G	N8GOU	N9WBR	PV8AAS
KA8SYV	N3FX	W4TKI	NZ6N	W0PE
N9DI	NA2AA	WA3WZR	128	W1TAM
W5MPC	W2PD	133	KC7QAG	W7YM
WO7GI	W4OV	AE4M	KJ6SDF	W9CDL
143	WA5TKU	KA5ETS	KN4DMN	123
K0KVR	WB2JIL	KC1RET	W0WT	AC7AF
K6JBH	WY0V	KE1VT	W5ZO	K9SM
K9QFR	138	KM8V	W8FR	KB0GT
KB8RJS	AC0XY	N7T	WB2WEO	KB0STN
N8URE (FM19)	AI6O	W0RT	WQ7F	KG6DHQ
NA1VT	KD7WPJ	W4GE	127	VE3TG
W0HNM	KE0A	WW7Q	AA9RK	W1HS
W0UHL	KE3D	XE2O	K3GYK	W3SE
WB0MMC	KE8RO	132	K7UV	W4DFU
WM5H	KQ4KX	AB3CV	K8AC	W4PRZ
142	N3XH	K5VG	K8OS	W5EWF
NA2X	137	KW4G	KB3OZC	W7MHW
NC4VA	N1SZ	N4PPH	KB9TLV	W8BI
W5SWV	N5JGK	NE1I	KC0RQH	W8KHP
WS4V	SM7AED	VE3TM	N2ZA	WA8WV
141	136	WN6K	NO8D	WB2RVX
K4AR	K0XXX	131	VE2JWH	122
K9ATX	K4SX	K3NAT	W1FLD	GM4UYE
KT8TD	KC5LK	KG9R	WA6BIL	K7AED
N9FIV	KC9AXZ	N2CJ	126	K7OGW
W4FS	KJ5RM	130	K6XC	KA9JAC
W4POT	KV1E	AB0X	KJ7G	KB4UF
W6ZI	NO1R	AK8CW	N0BDS	KB5WFE
WB9WHQ	W2JCN	K0GUR	N7DGI	KC5UGX
WR7AY	W4AVV	K4JKB	WB4HUC	N5HYV
140	W7UV	KC4NX	YL2AO	VE6PY
AC5DK	XE2JS	KE8RJU	125	VE7JAC
CO2WF	135	NG9R	AA7DK	WD0GTY
K1UO	CU3EQ	PV8AJ	K3PU	121
K7SAM	K4MWB	VE1DX	KC5DRI	AE1P
KC0MEZ	K8ZIZ	VE2TZT	KD2NF	K0MFI
KC8TMU	K9TF	W0PHX	NT7C	K4HBI
KJ4KVC	N4DB	W2LES	W2AJM	KB2WAL
N1EN	N8XE	W3FEY	W3UQH	KB5MH
	W6BXQ	WA2SEI	WA6POZ	KE4JFS
				NE0P/9

UR0MC	NU6V	K5WTA	108	K4SJA
W8DN	W6WE	KA7T	CF3VRQ	K9MAL
WB9TFH	WA1TBV	N5HMH	HB9BZA	KB3JGS
	XE2PXN	W1TR	JA9IPF	KC0JYT
120		W5DQ	K5OPB	KC4KK
EA1YO	116	W6OAT	N3MWQ	KF4DGS
K2CYE	K4RGN	W7IV	N5DD	KJ7TH
K4CGY	KI6QDH	W9PN	VE3SUB	N4NQY
KD0R	KU5B	WA8TWM	VE7IG	N5SAN
KD4MZM	N0VR	WX3P	VY2RU	N7YY
KD5BRF	NO0B	XE1GK	W4AMP	NE9O
KE4SCY (FM06)	W0DHB		W4CRN	PU4JOE
N3YPJ		111	W5AAJ	VE3VRQ
VE1JC	115	N0SLT	W8EH	W8MIL
VE3XK	K9MMS	N8IK	W9VNE	W9RVG
W4LVH	KE6TVM	PC3T	XE1R	WA4MYO
WA6RAY	KF0QS	W8GBH		
WB0WAO	KM5FA	WZ8P	107	104
	WA3BZT		G4BWP	AB9YC
	WC7V	110	JA3EGE	AC5K
119		K5KR	K5UIC	AC5RN
K0AWU	114	K7LD	KF7PG	AC9QR
K1ZN	AC8HU	KD5J	KI9A	IK4DRY
K2SQS	JA3LZS	KI0F	KK4LUM	K5PPP
K7JIZ	JR1BAS	KP4JRS	N3TTT	KB9RNO
KF7PCL	K2RET	KQ4LA	N9OI	KC2TR
KP3V	K3RTU	KX5U	NF0T	KD9GKL
KT0P	K9AAN	N5TIF	US0KW	KJ7OG
KW7N	KC4GCK	N5YM	W2ODH	KM6WXB
N4UPX	KG9Z	W5DM	W2TTT	KO4LZ
W0QC	NF8M	W7JET	WB4PPW	N0STP
W4SW	VE1WOW	W7UP		N1LDY
W7QQ	VE3IRR	109	106	N2FBQ
WI4T	W2JLK	AK6ZZ	K0MEI	N3UPS
WM9M	W4ALF	IW1ARB	K5BJW	N7AGF
	W4UFO	K2DSW	K7BWH	NJ1H
118	WO2C	K2JGL	K7JE	VE2PIJ
J68AS	WX4US	K2OO	KB0TIJ	W1TE
K4AZV		K5DNL	KC7ICM	W1ZE
K4MSG	113	K9GY	KE5JXC	W4KVS
KA4LBD	AB4PM	KE6GLA	KJ6MBW	W6ZQ
KF6MXK	AD5MD	KJ6CA	KK2DOG	W9MDB
KI7BP	K3DQB	KZ7N	N0RQ	WB2VUO
KT8X	KD4BPZ	N8TMW	N1USB	WB8BZK/VE3
KW4BY	KD6VCD	N9TTX	N2IPH	
N1QDQ	KM5OL	NN9X	N4CE	103
N3JNX	N3JDQ	VE3AAQ	N5FPW	AA5CK
N5EIL	N4YCI	W0YJT	N5YHF	AB0YM
NZ1I	N5YK	W1OP	N8HM	AB5SS
W2AC / WB2ABK	W0BM	W4ZRZ	N9XMU	K2OY
W2AC/WB2ABK	W8MSP	W5MPC/1	VA3OKG	K4MVL
WB2KSK	W8VV	W7RJR	VE3AJY	K8ZEE
		WB6YIY	WB6VYH	KA1W
117	112	WB9W	WQ9F	KB0FHP
AB5J	IK7EOT		105	KB2SGX
K4WS	K2MLS		AC4Q	KC9FFV
N4USG	K3GD			KF0AIJ
N5JEH*				

KF4DVG	N9DVS	KD6RUH	WD0E	KA2NDX
KR4NO	ON9CMR/W0	KR4UA	WH6LR	KA3HED
N0YXE	VA2LGQ	M5MYH	WT5H	KB5GI
N1JIF	W4LLP	N4FV	WV5Y	KB8PNS
VE7DXG	W5KBD	N5OHL		KC0HBP
W0TF	W7ISG	N7HRT	97	KD6PY
W3LEO	WB8IMY	N7JPF	AB8M	KI5TE
W6IT	WD5IYT	N7TE	AJ9C	KM2O
W6XU		N8GHZ	K0HB	KM5NU
	100	N8YV	K0JQZ	KS4V
102	AC0FT	N9MKC	K0QEI	KT5RR
AA9MY	AI2S	NB5R	K0SH	N0WVU
AB8JH	AI9U	NH6CJ	K0YQ	N2LID
AD6KH	K2UA	NI5W	K3HZO (FN20)	N2VHZ
EA4DEI	K4UQC	NS2P	K4GTR	N2XK
K0HAQ	K5GM	VE2HAY	K4JQU	N8PAQ
K3HW	K5KV	W2HOG	K8XF	N8YBY
K5VR	K8IJ	W2VU	KA2BSK	NT2A
K9AM	K9CC	W5JLC	KA7EII	NW5Q
KA3ZLS	KB9ZLB	W6TJU	KC0YBM	NY2Z
KB8CR	KC2HLI	WA1LAD	KD5CKP	VE2DCP
KC6WFS	KC8CC	WA5TRX	KF4KSN	W4KK
KC8DMN	KC9CMT	WB5NHX	KM4NYI	W4TMR
KD8NYO	KD3SW	WB7VVD	KT5WB	W7JHS
KE1AU	KE5CVM	WK5X	N1VMJ	W8DM
KJ4M	KF0Q	WW2R (EL09)	N3UMA	WA3EEC
KR5V	KG5X		N4BH	WB0M
N1HOQ	KJ5OA	98	N5OTY	WB5KJE
N5RMS	N3TBB	AC2RL	N6MA	WP4LNY
VE7ZD	N4NIA	AD8Y	N9APK	
W4RVZ	N5XTR	K0KC	N9IO	95
W5DPT	N7EME	K0UD	N9KY	AE0G
W5OV	N8COP	K3IXD	NK7C	AE5EO
W7UT	VP2MRM	K3QIA	NU0Y	K1PNQ
W9NFL	W2CH	K4OP	VA3FIN	K4ED
WA8EQP	W4/KL7GLL	K5HOB	W3QT	K8KFJ
WB5FDP	W4OZK	KA1EKR	W4CWA	K8ME
	W8BZY	KE4LGL	W4DAS	K8VD
101	W9DQ	KG4YOU	W4ID	KD7WH
AE7V	WA5TLP	KG7E	W7DN	KD8DR
K0RAR	WV9E	KJ2G	WA6OSX	KD9ZR
K0SBV	99	KK0CQ	WA9LEY	KF6XA
K0WJ	AB0SD	KY0Q	WB8RVK	KI0SK
K2NUD	AB3TM	N0JJQ	WB8ZTV	KW9U
K5DWI	K0YO	N1JHJ	WB9PNU	N1XK
K5HX	K4KEW	N3LRP	WE8L	N2SLO
K7SYS	K4WQ	N5TEY		N2WLS
KB4KBS	K4ZO	N8AID	96	N3WAV
KC6AWX	K5VPQ	NO5X	AD5OW	N4ET
KC8CSD	K7DD	NO8R	AE4TQ	N5BLY
KG8WB	K7PAP	VA3VF	AK4F	N5ENU
KG9IL	K9ZZE	W2KRP	K2UF	N5KI
KR4WM	KA0ZEE	W6TE	K2UNK	N9IV
KR7LD	KC2IEB	WA2FGK	K4EQH	N9LJX
N1IX	KC6X	WA3TLT	K5CRJ	VA3KS
N4AOE	KD4MWO	WB1GQR	K8EMR	VA3PZ
N8VEA		WB2YDS	K9OT	VE3KZ

VE3SPW	W3IPA	WA5ICA	KM9I	89
W4YZJ	W3TA	WB5CON	KQ6K	AB1TZ
W5ADA	W4LNG		N3PPH	AG7NR
W5CBF	W5ODD	92	N3WCM	G4NBS
W5RCQ	W5PUF	K1EY	N7CZ	JQ1TIV
W7JWC	WA7LHZ	K5GDX	N8DEZ	K4BMM
W9SX	WA9BXB	K5TDA	NA7L	K5CX
WA2ONK	WT9U	K7FU	NR4J	K5JAZ
WA3I	WV7S	K7HKR	NU4N	KA0MWA
WA4WR		K7UWR	OE9KFV	KF4TVL
WB2SIH	93	KB0PQP	W2SUB	KI0G
WD8DOT	AG2A	KC4JNW	W4MLN	KI4FW
WS4S	AG6CV	KD4QMY	W5KDA	KI4US
XE2AT	AI8F	KE4WBO	WB0NRV	KR4U
	K0IW	KG4URP	WB7X	N2GZ
94	K1PTF	KM3V	WC4V	N5KAE
AA4RP	K1ZK	KR7X	XE1GZU	N8YSZ
AB4VT	K2AK	N2SG		N9RG
AD1DX	K2MTS	N3GH	90	N9UDX
HK4SAN	K4DAM	N4VN	AA0LM	NE2U
K3BEE	K5TRI	N5QO	AB4WL	VE3VCF
K3TUF	K6RM	N6RPM	AB9DU	W0HRO
K4JRK	K7IP	N7DED	AF5BG	W1HY
K4LDC	K7TRK	NS6E	DL1SMA	W2JEK
K4YJ	KB0USF	UT5JAJ	JH4JNG	W2OK
K8GT	KC5TGT	W1PV	K1HC	W4ZMM
K9DOG	KC5TT	W2ACY	K1KA	W6VNQ
K9SUL	KC9TTR	W2CVW	K3CWF	W9HT
KA2F	KC9UL	W3ACO	K3UAL	WA7SDI
KA9UVY	KD0QG	W3HZU	K4AAP	WB3IAL
KB7AK	KE6AZX	W4BP	K4FTP	WM6Y
KC0AUY	KE6UMW	W4LIA	K4XZ	WQ5C
KC3AK	KE8RPJ	W6NS	K8EAB	WR5AY
KD4VRZ	KI0J	W8JV	KA5TJI	XE2NL
KE3WM	N2BX	WA3JKB	KB5FHK	XE3DX
KF0LA	N2YTF	WA4EEZ	KB7BSA	
KG4NLZ	N3AO	WM3O	KK4DZP	88
KU4JZ	N3ZBK		KW3DX	AA4QE
N0LNE	N4GOA	91	N2ULL	AE0DX
N0LP	N4YHC	AA0CW	N4BRF	AE4OF
N2SU	N7EGY	AD3Y	N5BA	AF4MI
N3JBH	N7JI	AE5AU	N9JJ	K1RS
N3XBG	N7KSI	CO2WZ	N9MSG	K3TN
N3YUG	NA9D	K1UR	VA3XOV	K4XD
N5ZMP	VA7QI	K4SPA	W1HMM	K7CTV
N6HY	VE3WMD	K6YK	W9CPV	K7WV
N6MXU	W0MHK	K7HPN	W9CSY	K7ZYV
N7NH	W2VTV	K8OI	WA2BEV	K9JF
N7UN	W3ZGD	KB2YUW	WA8OJR	KB2KIR
N8WWM	W4GPM	KB3NDS	WD9HCF	KC1GWX
N9DD	W5DMT	KB7AZ	WE7H	KC3MLC
N9UNX	W6IA	KC5POV	WEST SEATTLE AMATEUR	WA7RTB
VA3MA	W7EIR	KC8LGL	WH6LE	KE8UM
VE3RX	W7TRX	KG4QWC	WT4C	KI2D
VE5MX	W9IFW	KI3O	XE3/K5ENS	KI4RFM
VE7AB	W9NED	KI5BLU		KJ4KW
W2GR	W9WI	KM7N		N1CEO

N2MKT	XE2AU	PU8TEP	K3PP	66
N2ZN		W5DAS	K8QM	K6KLY
N4CAG	85	W7YOZ	N5GH	KK4YEL
N4GN	EI3IO	W8GG	NP3YL	
N4KIN	K1UU	WA2ONG	NX7U	65
N4UC	K4LRP	ZS6NK	W5UC	JA1XEC
NS3X	KB3MXK		WP4NEG	K5EJ
NT4TN	KC0V	81	ZL3AAU	N7UJJ
VE2VLJ	KE4DRF	AB4I		OK1MP
W2BZR	KK4AND	IK8YTA	74	W4CCS
W3YX	N2RJ	KE4DZU	AK8B	
W4DL	VE3GFN	N6MM	CX4AAJ	64
W4RXR	VE7DAY	N7NEV	KF2TI	JG2TSL
W7HDD	W1WV	NI4Y	LU4FPZ	
WA2BTR	W3STU	W3MC	TI2CDA	63
WA5MD	W4IT	WA8ZNC	VE6SO	EA1DR
WK3N	W4RA	XE1EE	WC6DX	KB0RFY
XE1SOV	W6ST			SV1RK
	W7SIR	80	73	
87	W8DQ	AC6BW	JF1IRW	62
AC0A	WA4WKL	KE4PT	VP2MJD	K4DXA
AG4I	WD4LSS	KW1DX	W4WT	
K4JC	WF4R	N2NS		61
K5UZ		VY2HF	72	CU3AN
KC8NAH	84	W5TTY	AB1QB	
KE6WOX	CT3FT	W6TCP	N4II	60
KI6RRD	K4EZY	W7AM	PV8ADI	KP4JFR
N0ELA	KE6NDG			S55DX
N2CJN	N1KI	79	71	
NA5DX	N2NWS	K4RW	IC8TEM	59
NE5S	VE2WBK	KP4N	K0GW	OE6IMD
NI5F	W8PU	N2COP	K4GK	
NN7RM	W8SGR	N5YJZ	K5WPN	58
W8GOC		N9RC	W2YR	HB9BIN
WB3IGR	83	VE3CFK	W3FGP	KC6NBI
WB8JAY	AA6E	W2GW	WC5M	SV8CS
WF4W	K1LH	W2SKI		WA2MUA
XE1RBV	K4SQC	WN0L	70	
	K6JJ		GI4SJQ	57
86	K8SIA	78	K4BNC	HL2EIZ
AG1T	KB3HHA	K2QPN	KC0ZRX	N5LJL
K7FB	KB9LIE	TG9AWS	W2LV	
KA9OKH	KK7BV	W4NE	W2QO	56
KI6HQT	KU4WW		W4GP	EA5BY
KN4MMH	TG9AKH	77		KI5WA
KP4TB	W4HFZ	K1IFJ	69	LU8ADX
KT1R	W7USB	M10AYR	K3WGR	NI6T
N2NF	WD6T		WD4LBR	UX1UA
N3MVF	WD9IOK	76		
N8TFD	W16Z	K0WYN	68	55
NZ3O	XE1MM	KI4CYB	AA4S	LA3MHA
VA3MDB		KI7WXP	EH7CD	US5WE
VA7LM	82	N1GNB	K6CF	WA2EMF
W8IW	AD4IE	N2MH/4	KW4OV	
WA1PMA	KC5YKX			54
WA4USA	KG4KVZ	75	67	AG4KI
WB4GCS	N1SF	G4RGK	W7YED	

53 K0BBC PP1CZ	38 DD3KF DU1EV G4FKA IZ8EDJ K8YSE	27 IZ4DPV JL3LSF KC9ELU NL7CO WP4NIX	W0HBH	PY2GM SP5XMU
51 CT1ETE N8OFS VE9FCP	37 JA9APS	26 HL2WA WB7QXU	17 G3LZQ OE3SGU PY2XAT W0JM	10 DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW
50 JL3MCM	36 HB9RUZ JH9DRL	25 EA4/K1WE HB9EFK	16 N6VHF	
48 G8BQX JA9KRO K15KC N6DBF N8MR NP3IR SP5QWB YY4DNN	35 GI4OWA LU9DO	24 EI2JD KS4YX ON6AB PA7TWO	15 9K2BM EI2GLB HL4GAV JR3UIC LU5FF PY2RN UT3UA UX0DL WC2C	9 DL7BA EB1EWE EC7ZK G6BFP JA1MZL KD3UY VK9DX
47 HB9RYZ	34 BA7NQ G4SEU LA2QM	23 GM4ILS HB9G JL1UXH K4SLC KP4EIT LA6OP W8MK	14 HB9HIT JA2XCR KB8DVT PV8RR PY2OC W9TTY	8 DK2LO HB9ALO JA1CPU JA2FGL JE3PCP N8RO
46 LU2DX	33 HL2IFR UR5WA UR9QQ W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH	13 K4WY PY2MC W4PWF	7 G8APB IZ0INX JA2NDQ JI2UDK LA3DV N5ORT NJ4Y ZS4TX
45 JA6WJL K4TXJ	32 N3LRH N6PAZ NP4TT SM6WET YL2JZ	21 EA1YN	12 EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB	
44 DL5XJ WO3T XE2YWH/1	31 HA5PT	20 CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA	11 A65BR DL2OE EA4DAU EA4ZK F4BDG G4CTY IZ4GWE JA2KVB PY2DV	
43 8P6SH CT1EEN K4ZIN SV2AEL	30 E72X JA1WSK JO7WXN WA6DNR	19 EA6BB JI4WAO PY2HN SP8NR		6 CT2FEY DH0GSU DL1TRK EA8MT EI2JC HB9FMN JA7NGE JJ2NWI PY2VA
42 TF3JB	29 JE1VTZ OE4VIE	18 AJ6V KJ4EU VE6TA (DO31)		5 DL5LH EA1AAA EA7ZY HB9GWJ JE1LFX JI5USJ
41 K0BBC/R	28 CT8/K0RUI JA6CRP K0FMI OH3DP			
40 E75AA JF1LMB JR0QFA WB8TGY				
39 AA5PK				

JJ1IDW	BV6CC	OK1UU
KB8VAO EN91KT	CO6CBF	ON6NA
M1VFN	DF8FT	OZ1IKY
MU0GSY	DK1CO	SM3GBA
OH4UI	EH4BPJ	SM6LPG
OK1IN	ES8JX	SQ5NRY
ON5UE	F5TMJ	UN8G
PP2RON	G0THY	UR5EDX
SK6QA	G4DDL	VR2VGM
VE2NGH	G8GNI	WB7VUF
VR2XMT	GI4ONL	YL2CA
W1ZR	IK1IYU	YO8WW
W2ZF	IK2GOQ	
YL2CZ	IZ8XQC	
	JA6AVT	
4	JA6SZV	
DL1TS	JA9FAI	
F1DFR	JG1JPE	
IV3GOW	K7LY	
JH7IPR	KEN IN NEBRASKA	
JK6DXD	LA2CQ	
S51NM	OH3KAV	
UT5EL	SV1XV	
XE1SAX	SV3FUO	
	YB2DX	
	YL2KF	
3		
DJ5AV		
DL2KQ	1	
EA1AR	3A2MW	
EA4D	9A2EY	
F1RAF	BD4UJ	
G3LHJ	CT1AHU	
GM4CFS	DH8BQA	
HA9PP	DJ3ZF	
HL2ZN	DL2DCX	
IK0WRB	DL4ZAB	
IK3ITB	EA3WD	
IK8EPC	EA4GQS	
IK8GYS	G4VSS	
IW3GJF	G6MXL	
JH7IMX	G7SQS	
JM1GHT	G8TTI	
JN1BPM	IK5BSC	
JR6IQI	IW0AFS	
PY5IP	IZ0BTV	
SA7CJO	IZ3DBA	
SV1VN	IZ5FSA	
W1CBY	JA1GZK	
WD9EWK (DM43)	JA7VXB	
YB1TJ	JH8XVT	
YL2MU	JL2ULM	
	JN3ONX	
2	KC3KJQ	
5B4ALJ	KG4JSZ	
7J1ADJ	KH6WI	
9A2GA	KP4DER	
9K2NO	MM0INH	