

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 (21 Nov 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	W5AJ	K0TPP	N4WW	456
AA0MZ	W5FF	K1USA	N7ZO	N4JQQ
AA5AM	W5KI	W0VTT	WD8JJA	
AA5C	W5OZI			455
AA7A	W7GJ	482	471	K4SO
A15I	W7JW	AD6D	AF5CC	
K0GU	W7KNT	KX4R	N5KO	453
K1TOL	W7MEM		WD5COV	K4YMQ
K4PI	W9FF	481		
K4XO	W9JN	W9VHF	469	450
K5RK	W9RM		K7BG	AJ4F
K5UR	W9XX	480	KM0T	N9BX
K5WE	WD5K	K5GZR	N4TB	
K7CW	WQ5S	N7KA		449
K7ULS	WS9V	WB0ULX	467	KF6HI
K8SIX		XE2OR	AD1C	W8TN
K9CT	487		WO7R	
KA9CFD	K7MAC	479		448
KA9FOX	K7TM	W5WVO	466	W5XC
KD5M	K9YY	WA7HQD	KA0JGH	XE2K
KG5CCI	N0AKC		KB6NAN	
KM0A	N7CW	478	N5EKO	447
KO9A	N7IR	AE5B	ND4X	K4HB
KR7O	N7NW	N5WS	WX7M	KS7S
KV5W	N9ISN			N4SC
N0LL	NA6L	477	464	W3UR
N0LWF		NC6K	KB9OWD	W5EME
N0PB	486	W9RN		
N0TB	K1TO	XE2CQ	463	446
N1AV	KY7M		VE3EK	K6EID
N3SL	N0KE	476		N4QS
N3XX		K0BJ	462	NV4B
N5DG	485	KC7QY	K6ZH	
N5OMG	K5ND	KC7V	N6ORB	445
N6JV	K9MU		WE9R	KU7Z
N9LB	N0POH	474		N5NA
N9UM	W3IP	W6XK	461	
ND0B			NA9RB	444
W0FY	484	473		N7BAV
W0JW	K0SIX	NQ7R	458	NI0G
W0LGQ	W5VY	WB0O	K4MY	W4DR
W3CP	W5ZN		KG5THG	
W4UDH		472	N9BCA	443
W5ADD	483	A11K	WB9CIF	AB4IQ
W5AFY	AC0RA	KB7ME		K4XP

N4MM	429 WA5JCI	414 AH0U K7KQA W0GN	W5JAY	383 N4UFO
442 N8OC NE1B	428 K9APW KP4AJ N2NL N4TL	413 WA9LFO	397 K5RT	382 K5PI K6VHF VE3YXO
440 AG9S K8TB KB8VAO W2IRT W3LPL W5THT	427 N4QWZ W3LL WA1EAZ	411 K9MK N9EAT	395 AA5XE K0AZ K5WBM KF7CQ	381 W3VZ
439 WB8ZBT	426 K4ZOT K8ZR N5OK	410 KE7SW KI8G	393 K7XC KK4MA W4TV	380 K7MCX NM5U WA5LFD
438 KB9DAK	425 K6ML XE2X	409 N4HN	392 AF4HX VE4EAR W6OMF	379 N8WNA
437 N9PGG NY0V	424 N4UFP N9AKR W3EP	408 W7BA	391 W4AVY	378 WR7X
436 K3SX K7PI KD3CQ W3TC WB8ART	423 AJ4A NA6MG	407 W4AS W5CIA	390 NJ6D	376 AA5JF K8GI K8VFX N1EVK N2WK
435 K9KLD KF6A WB7CJO	422 VE6WQ	406 AK3E K6FG VE2XK 6M FN07PJ	388 K0IP W4WRL	375 K6QG WB4OQX
434 K1HTV K1SIX	421 K8ROX WB8BPU	405 AA4SC K5CKS	387 K2TER KV4T N4CH	374 AB1OC N6GP N7DB
433 N9FN W9WO	420 VE3LYC	403 KE8KMX NH6T/W4	386 N7IJ NN4R W5TFW W7AH WE4S	373 K4SSO
432 K6GXO N6KK W5TRL	419 K7NN W5AL	402 K3FM	385 KF0M NK1K VE6MB W4WTA	372 W5MO
431 K0TLM N2QT	416 K4RWP K7ND	401 K4CKS	384 AA1ON AB4SF K1GG K8ROK	371 WA6BYA
430 K1TEO KF8MY N5TJ	415 K5OMC K7AWB KO4MA N5SYV W0GJ WB5JID	400 W0JRP W3UUM		370 AG4W K5TN KN4SM KS4YT KV7K N3MK NT0V

369 KF8UN N2DPF	357 K4LVV W5PR	340 N0AN W8LMG	331 K8WDA KC0UDO N4MW N6KZ VE7BV	322 VA6SZ
368 KB0V W5RCI W6GMT	355 N2ZZ NY1V	339 KE4BKL VA7FC W5VAS		321 NC7B NS4C W9VA
367 KC4HW KR4BD NT9E W7Yaq	354 K0DEQ	338 N3RC VE3SXE WA5KBH	330 KB8MBC NK0S	320 K0VG N4DW
366 AA4ZZ K17JA N4LR	353 AF2K K0CS K8EB	337 K8ZES NU6S W9EWZ WA5RT	329 AA1QD N2JJ W1DYJ W2OR W8WG W9XA WX4G	319 N7US W4ER
365 K4JJW KG7CW KZ2I WB4EVH	352 NZ3M W0KKK W1JR WA9PWP XE2ML	336 AC9DX FG8OJ K5KDX K7BV K9QVB/9 VE3DS WO9S	328 K6ME N5PT W2CNS	318 N3ALN W4HY
364 AB5EB JA7QVI N6QQ W7FI	351 AA4FL K5DTC	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	327 K6EME KJ5RC N0YO W2JU W9DCT	317 N3PS W1SKU WA7PDC WO2T
363 W4NH	350 AB9BH N6VI N8YO	334 K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	326 K2ZD K6LMN K6TDI KD5XB NG7M W7JLC WF7T	316 K3FN KA0ABA N1KDO W4UCK W9BWR
362 WA5OLT	349 K8JH KA0BAD		325 WA2AEY	315 K5VH KG6AY NY2NY
361 K7XB K8BL K9NR N7MB N8KOL NE9U NG4C	347 KT8O		324 K9SH KU4A N2BJ N8HRZ VE3TMG	314 KU4XO
360 AA4FF K6UM (CN85) N3OC	345 W3XY XE2YWH	333 KM4HI KN4NN N0IGZ W3GQ		313 K0TC N6NR NF4A W4GLV W5RKN WA1NLG
359 NI0P	344 K6FW KB0PE KG8P W1OW	332 AA7UN N4JDB N7KDT VA3IKE W9GM	323 K10E N8II W4MAY W8KEN WW0E	312 AF6O KA2GOJ WB3LHD
358 K5RLA	343 AB4EJ K5EK			311 AC9S KM3T

KS4XQ W2BZY W5DB	K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S	289 K4MM K9FA N5BCA NQ7G W4LTJ	NM5Z	W3HHN
310 AA8SW NJ7G VA2WA W9KVR WO4DX	299 VE6WK W1LE W5SUM W8UV WB5GVY	288 AA4LR HC2FG K1NU N6AR W1DU W4HLR	279 AA8MA KF9UG N3JPU W0RH W0VHF (EL87) XE1FAS	270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B
309 VE3XN	298 KD4WSC N1NK N4IQ	287 JE1BMJ N8CGY	278 AA9D AJ4W K3JT N0LNO N8BJQ NN1N WA4HFN	269 K1GJQ K2IE K3ZO KD5R N5EPA N5WD
307 KE5K W3ATV W9RPM WB4KTF	297 N8YQX N9LF	286 AG1A	277 AC7JM JR1LZK NS4T PV8DX	268 K6OJ N9ZTS W0KAN
306 K6RO WV9L	296 K6YUI KC7RW	285 K5CZD K9UO N0LD	276 K2CS K2UU K5TWJ K7TAB KE8Y	267 K8DP KG6EG KX9N N2AMC N7UVH N8EHW W4F5O W5WP W9DRB
305 K6UM (CM88) KF2T KT1J WA9M	295 KE4P N7NT W2HRO	284 AB0RX K0KP K4DET KX7L NJ2F (EL96) RETIRED	275 K1MAA K2NJ N4GG W0FK W8PI WA4NVM	
304 K6IPF W4FC WA0GUD	294 K6JSV NA5Z	283 W8OP WA0FQK WB0CQO		
303 EA8DBM K8TGC K8TL N7LAN	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP DK8NE K1ST K5TA N0GZ N8JCM W4WM	274 KB1DMX	266 K1OA K1WVX TG9AJR WB8EJN
302 KB2TGU W3TI	292 KJ6P W1SSN			265 N5KS
301 N0HJZ N2ZZ VE1JBC W7IB W9OBG WB0TVY	291 KS4S W1WHL	281 K4OY NL7CO W2YE	273 K2BLA KM4H KV1J WB0OQV	264 AC8L K4JAF N0TK N9JR NF1O
300 AA4V K0DD K0PHP	290 W3HDH WA8EFK	280 JG1TSG N0KV	272 K0PG XE1AO	263 AK4PR K3VAT K4XR K9AAA W7CT

WB7QBS	N7QOZ	244	MD0CCE	K7HSJ
262	VE3OTL	AA9RR	N3FTI	KF2ZQ
AE5FM	WD5ITW	K8DV	N9ATD	N8AIA
K3CWH	253	KD8JSP	W5AJX	W5HEZ
KL7HBK	KG4ERR	N3AIU (FM08)	W9OO	227
N4ST	N2XQM	N4JRY	235	JA1UAV
ND4DX	W9TA	VA3ZV	ND0C	K8ZT
WA0KBZ	252	VE3VHB	VO1GO	K9TF
261	AB5A	W0VD	WB6RJH	KS9A
AF2F	K1ACL	WD4IXD	WT2P	W4KXY
K3TWK	NN4RR	243	WZ9W	226
KB8UUZ	VE6NTT	JA1QJI	234	AF5WN
N3EW	VE6SH	K3TC	CT1EEB	N7CNH
260	251	W4EJ	KE6FCT	N8UR
K6JAD	AD5JK	YV1DIG	233	NM5S
N6HC	K1NJ	242	K1AFC	W0VX
W0PR	K3NK	K3WW	N3AIU (DM45)	WQ6Q
259	KG7NV	KA3TCC	N9NJS	225
AK0MR	NN4SS	WA8MCD	VE7VZ	AC9O
KD4ADC	250	241	W3DF	K9QJ
KG6I	AA9LC	N6NU	W8PAT	KX9X (EN50)
KN5O	K0CCM	W5LO	XE1L	N2WSY
N1RR	N8LRG	240	232	N4SV
NS7K	NW6R	AB5GU	AE4WG	VE3MSC
NY1E	249	KG5EIU	K5FO	W8AKS
VE6BMX	K8AO	KI0HA	N9NJY	WN6W
258	KQ5U	KK4ZUU	VE6TA (DO33)	224
K1BD	N1GC	KO6LU	W0PPA	JP1LRT
K2HAT	248	VA3HP	231	K9MQ
NA2NY	CT1IUA	W1VT	K4MIJ	WA4YA
WB7ECS	K1ZZ	WA2VJL	K6HEW	XE1YY
257	W6VFA	239	KF6GYM	223
K2KA	247	F4BKV	VA2CY	GD0TEP
K5QE	W1FKF	KF4LVF	W9XT	K7UA
KD4MYE	W3TEF	W6RW	230	NJ7A
N5DTT	246	W9YOY/M	JM1IGJ	222
PY2XB	K0DAS	WA3SEE	K1ZE	K0YY
WA2HFI/0	KK8X	WB1FLD	KO4MM	K2TV
256	N5TIT	238	VA3XJ	K3AJ
K3WA	W4FRA	AA3GM	WB0WAO/8	KA1LMR
N8ZJN	WI7P	KV7N	229	KD4K
255	245	237	K6RG	W8GJ
K8MVZ	N1IA	K3FRK	KB9RUG	WA2BOT
KG4JPL	N3XF	K3KO	KD5IKG	221
W0NOZ	VA3CW	K4QE	KE4UW	K5WMH
WA8KNE	W3SW	236	N4NX	K6CQR
254	WA8ZID	K0SU	NN5DX	N0PSJ
KF8QL		K4NK	228	N4ION
		KL0S	K5RUS	N5UWY
				W4IFI

220 HC1BI K7BTW	NE8S VE3SMA W5HMK	N0HF N8SYF NR0Q W1RM W9GFB W9VOB	W2AMR XE2ED XE2W	KD4HLG W4AZR W6AER WA7VHF WU9Q WX9M
219 AI9L K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO N6UK PV8AZ WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK	187 JF8QNF K3EA KD3HN KQ0J N1SV
218 K1XH K4IJQ K8YC KB8KVJ NI3K	209 AA4IB N1TQ W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V KR0I NN0K WA1MKE WA9ASZ	194 K2MRK N3FA N9NFT WF1H WK8A	186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K NOXLR N6ZE
217 KB1HY ND4V W4DEE	208 AI2N CO8DM JM1SZY KD5HIO PV8ABC	200 4A2MAX N5AO N9AG NA5C VA3VU W1AW	193 K7PT K9AB	185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT
216 K7RB N0IS NE1F W5RWF	207 K3HPA N1BCL N8NJA	199 JA8ISU K4GHS N3KFB NJ8J W4OEP WB0YEA	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	184 AF5Q K0DEW KR4M N1IBM N4BG
215 AL7OC K2SX KI5FJ N2YU N6KW	206 AB0CT AK4Y K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	198 AC8TO N0UK N7EPD NX0I WA7KYM	191 JR3REX K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	183 K5RQ N0FJP N0UBL W2UDT
214 KB9PJL VE3SYK WA7AJ	205 AF4OD K8SD KE4HOA N5ITO N9ATF W8QID	197 K3EGE N4BAF W3TW W5CTV W9TD	190 K2WJ K5ER KC2DLD N9UA W1ATV W2OO	182 AJ6T DF3CB FP/KV1J K5GMX K8WK W2CCC XE1CL
213 K3DFL KI6X W0NBC W8RD	204 IT9IPQ W5LUA	196 K0AIZ K0NR N5DUW	189 KC0MEA W3SZ WA5VKS	181 AB9FN
212 AB5C KF7NN N2OA N5PA	203 K0VSV K5HYT K5LOW			
211 K9FOH				

K4CMS	N5QGH	N2BEG	161	KW0A
K5HDE	NP4BM	N5XES	K4EA	N1OFZ
KB8YKR	W5AFD	N7PHY	KB3CWQ	N2ADV
N3XJX	WA5IPS	VE3HHT	N2YBB	N6DHZ
N4DTF	WW2R	W8KNO	V44KAI	W3DQS
NY0A			VE3LC	W5FI
W2ZDP	175	168	W4HOG	W9ILY
W4RBO	PV8BR	KG5ZMQ		WB5ZAM
W9BS		W8WEJ	160	
WJ1B	174		K5IQ	152
180	K3MD	167	WA3DRC	N1NUM
K0OST	K6WRL	K4MQG		N2WM
K4LYN	KC6ZWT	KB1YNT	159	NU1T
KC1MMC	KG7P	KE5EP	K4MZ	UT7QF
N1RK	KU0A	LU4FW	NS7B	W6IA
N6PEQ	N1MGO	N0NHV	W1EME	WO4G
N6VH	NA2NY (ex-NA1VT)	NO0T	W4TTO	
WA5RR	NA6O	TG9ADQ	WB8NUT	151
	W3SO	W1BAT		KO0Z
	WA2PNI		158	W1ZT
179		166	K8CR	W2DXE
K1EP	173	KC2GHT	KI0D	
KU4WD	K2ZZ	N5VU	N2CG	150
N0LIE	K5YPV	NC4RY		N9LAH
N0MMA	KE4SCY	VA3WEB	157	NE6I
NH7RO		WB4KXS	K4FX	VE3OAT
VA3DPB	172		KB8GC	W7APM
W8LHP	AB9KZ	165	WA7NB	
WA4QMQ	K5ZED	K4DXT		149
	KI4PKW	KD5HPT	156	AB6CF
178	KJ6HI	N1JFU	K2KJ	K4SAN
4O3A	VE2PN	W0RIC	N3RN	KK9H
JR2HCB	W4ABC		N9KO	WB4VHF
KA2AYR		164	VE7VDX	
KB0EO	171	K2SD		148
KB1RZA	AA4PB	K5VWW	155	AC0DQ
KG5RJ	HP2AT	KD0UHN	AE4M	AG0A
KK8MM	KC5GSK	KF9US	K3TD	G0OIL
N1ZUK	KC5YCH	W4CSW	K6XN	K0RU
NQ2O	KI4TZ	WK7G	N7AU	K7IU
VE3NRT	NS3L		N9OBE	KB2YSI
W0ZY	W1PX	163	NY4I	N0TM
W1MAD	WA2KBZ	K2JF	TG9ANF	N5ZBI
WY7FD		K2YSY	VA3NQ	W6VNI (CM88)
	170	KK0DX	WV8DX	WB6RAB
	K5DB	N5XZ		
177	K9TVG		154	147
AG4ZE	N4GBK	162	AE4NT	AF6AV
K2QQ	N8CN	AF4GK	KB9VMW	IZ1LBG
KI4BWW	NA2U	K0QB	W3ZQN	K6PSP
SM7FJE	W4IHI	KA1R		KC1BUF
W5ZG	W4JKC	KD4TDI	153	VE3CX
WA8UEG	WK3V	W9JJB	AA4NC	W4YCC
		W9VS	AB4GG	W5WOX
176	169	WA1Z	JA1OVD	WA0VPJ
AD5ZA	K6XC		K7AD	WA3YGG
K0DI	KD5OMJ		K7ZD	
KX9X				

146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	140 AC5DK CO2WF CT1BWU JA1AFR K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VE3KY W4TUN W6DQ WA4KXY	W7UV XE2JS	K0GUR K4JKB KC4NX KE8RJU NG9R PV8AJ VE1DX VE2TZT W0PHX W2LES W3FEY WA2SEI WB4YDL WW5W	YL2AO
145 KD7YZ V31MD VA3TTX WA4JA	139 IZ8FFA K1DT KC7JPC KU0G N3FX NA2AA W2PD W4OV WA5TKU WB2JIL WY0V	135 CU3EQ K4MWB K8ZIZ LY3W N4DB N8XE W6BXQ WB8BZK WW2DX XE1H	129 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR NZ6N	125 AA6I AA7DK K3PU KC5DRI KD2NF NT7C W2AJM W3UQH WA6POZ WB4OMM WE1P
144 K0TLG K5TDW K6JRA K8MN K8WU KA8SYV N9DI W5MPC WO7GI	138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	134 AB1NS AB4GE BA4SI C6ABB GM4UYE HK3W KE5FXE N3AIU (DN70) N8GOU W4TKI WA3WZR	128 KC7QAG KJ6SDF KN4DMN W0WT W5ZO W8FR WB2WEO WQ7F	124 K0DLW K8VA KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N9AZZ PV8AAS W0PE W1TAM W7YM W9CDL
143 K0KVR K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	137 N1SZ N5JGK SM7AED	133 KA5ETS KC1RET KE1VT KM8V N7T W0RT W4GE WW7Q XE2O	127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N2ZA NO8D VE2JWH W1FLD WA6BIL	123 AC7AF K9SM KB0GT KB0STN KG6DHQ VE3TG W1HS W3SE W4DFU W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX
142 NA2X NC4VA W5SWV WS4V	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R OE6IMD W2JCN W4AVV	132 AB3CV IC8TEM K5VG KW4G N4PPH NE1I VE3TM WN6K	126 KJ7G N0BDS N7DGI WB4HUC	122 K7AED K7OGW KA9JAC KB4UF KB5WFE KC5UGX N5HYV VE6PY
141 K4AR K9ATX KT8TD N9FIV W4FS W4POT W6ZI WB9WHQ WR7AY		131 K3NAT KG9R N2CJ		
		130 AB0X AK8CW		

VE7JAC	N1QDQ	113	K5DNL	KE5JXC
WD0GTY	N3JNX	AB4PM	K9GY	KJ6MBW
121	N5EIL	AD5MD	KE6GLA	KK2DOG
AE1P	NZ1I	K3DQB	KJ6CA	N0RQ
K0MFI	W2AC / WB2ABK	KD4BPZ	KZ7N	N1USB
K4HBI	W2AC/WB2ABK	KD6VCD	N8TMW	N2IPH
KB2WAL	WB2KSK	KM5OL	N9TTX	N4CE
KB5MH	117	N3JDQ	NN9X	N5FPW
KE4JFS	AB5J	N4YCI	VE3AAQ	N5YHF
NE0P/9	K4WS	N5YK	W0YJT	N8HM
UR0MC	N4USG	W0BM	W1OP	N9XMU
W8DN	N5JEH*	W8MSP	W4ZRZ	VA3OKG
WB9TFH	N5LPT	W8VW	W5MPC/1	VE3AJY
120	NU6V	WD0ENC	W7RJR	WB6VYH
EA1YO	W6WE	112	WB6YIY	WQ9F
K2CYE	WA1TBV	K2MLS	WB9W	105
K4CGY	XE2PXN	K3GD	108	AC4Q
KD0R	116	K5WTA	CF3VRQ	K4SJA
KD4MZM	IK7EOT	KA7T	HB9BZA	K9MAL
KD5BRF	JA3LZS	N5HMH	JA9IPF	KB3JGS
KE4SCY (FM06)	JR1BAS	W1TR	K5OPB	KC0JYT
N3YPJ	K4RGN	W5DQ	N3MWQ	KC4KK
VE1JC	KI6QDH	W6OAT	N5DD	KF4DGS
VE3XK	KU5B	W7IV	VE3SUB	KJ7TH
W4LVH	N0VR	W9PN	VE7IG	N4NQY
WA6RAY	NO0B	WA8TWM	VY2RU	N5SAN
WB0WAO	NO0B	WX3P	W4AMP	N7YY
WD4OHD	W0DHB	XE1GK	W4CRN	NE9O
119	115	111	W5AAJ	PU4JOE
AE5AU	K9MMS	N0SLT	W8EH	VE3VRQ
K0AWU	KE6TVM	N8IK	W9VNE	W8MIL
K1ZN	KF0QS	PC3T	XE1R	W9RVG
K2SQS	KM5FA	W8GBH	107	WA4MYO
K4MSG	N7VGO	WZ8P	G4BWP	104
K7JIZ	NK9DX	110	JA3EGE	AB9YC
KF7PCL	WA3BZT	K5KR	K5UIC	AC5K
KP3V	WC7V	K7LD	KF7PG	AC5RN
KT0P	114	KD5J	KI9A	AC9QR
KW7N	AC8HU	KI0F	KK4LUM	IK4DRY
N4UPX	K2RET	KP4JRS	N3TTT	K5PPP
W0QC	K3RTU	KQ4LA	N9OI	KB9RNO
W4SW	K9AAN	KX5U	NF0T	KC2TR
W7QQ	KC4GCK	N5TIF	US0KW	KD9GKL
WI4T	KG9Z	N5YM	W2ODH	KJ7OG
WM9M	NF8M	W5DM	W2TTT	KM6WXB
118	VE1WOW	W7JET	WB4PPW	KO4LZ
J68AS	VE3IRR	W7UP	106	N0STP
K4AZV	W2JLK	109	EA4DEI	N1LDY
KA4LBD	W4ALF	AK6ZZ	K0MEI	N2FBQ
KF6MXK	W4UFO	IW1ARB	K5BJW	N3UPS
KI7BP	WO2C	K2DSW	K7BWH	N7AGF
KT8X	WX4US	K2JGL	K7JE	NJ1H
KW4BY		K2OO	KB0TIJ	VE2PIJ
			KC7ICM	W1TE
				W1ZE

W4KVS	101	W4/KL7GLL	K5HOB	VA3FIN
W6ZQ	AE7V	W4OZK	KA1EKR	W3QT
W9MDB	K0RAR	W8BZY	KE4LGL	W4CWA
WB2VUO	K0SBV	W9DQ	KG4YOU	W4DAS
WB8BZK/VE3	K0WJ	WA5TLP	KG7E	W4ID
WG3K	K2NUD	WV9E	KJ2G	W7DN
	K5DWI		KK0CQ	WA6OSX
103	K5HX	99	KY0Q	WA9LEY
AA5CK	K7SYS	AB0SD	N0JJQ	WB8RVK
AB0YM	KB4KBS	AB3TM	N1JHJ	WB8ZTV
AB5SS	KC6AWX	K0YO	N3LRP	WB9PNU
K2OY	KC8CSD	K4KEW	N5TEY	WE8L
K4MVL	KG8WB	K4WQ	N8AID	
K6USY	KG9IL	K4ZO	NO5X	96
K8ZEE	KL2R	K5VPQ	NO8R	AD5OW
KA1W	KR4WM	K7DD	VA3VF	AE4TQ
KB0FHP	KR7LD	K7PAP	W2KRP	AK4F
KB2SGX	N1IX	K9ZZE	W6TE	K2CK
KC9FFV	N4AOE	KA0ZEE	WA2FGK	K2UF
KF0AIJ	N8VEA	KC2IEB	WA3TLT	K2UNK
KF4DVG	N9DVS	KC6X	WB1GQR	K4EQH
KR4NO	ON9CMR/W0	KD4MWO	WB2YDS	K5CRJ
N0YXE	VA2LGQ	KD6RUH	WD0E	K8EMR
N1JIF	W4LLP	KR4UA	WH6LR	K9OT
VE7DXG	W5KBD	M5MYH	WT5H	KA2NDX
W0TF	W7ISG	N4FV	WV5Y	KA3HED
W3LEO	WB8IMY	N5OHL		KB5GI
W6IT	WD5IYT	N7HRT	97	KB8PNS
W6XU		N7JPF	AB8M	KC0HBP
	100	N7TE	AJ9C	KD6PY
102	AC0FT	N8GHZ	K0HB	KI5TE
AA9MY	AI2S	N8YV	K0JQZ	KM2O
AB8JH	AI9U	N9MKC	K0QEI	KM5NU
AD6KH	K2UA	NB5R	K0SH	KS4V
K0HAQ	K4UQC	NH6CJ	K0YQ	KT5RR
K3HW	K5GM	NI5W	K3HZO (FN20)	N0WVU
K5VR	K5KV	NS2P	K4GTR	N2LID
K9AM	K8IJ	VE2HAY	K4JQU	N2VHZ
K9OHI	K9CC	W2HOG	K8XF	N2XK
KA3ZLS	KB9ZLB	W2VU	KA2BSK	N8PAQ
KB8CR	KC2HLI	W5JLC	KA7EII	N8YBY
KC6WFS	KC8CC	W6TJU	KC0YBM	NT2A
KC8DMN	KC9CMT	WA1LAD	KD5CKP	NW5Q
KD8NYO	KD3SW	WA5TRX	KF4KSN	NY2Z
KE1AU	KE5CVM	WB5NHX	KM4NYI	VE2DCP
KJ4M	KF0Q	WB7VVD	KT5WB	W1HMM
KR5V	KG5X	WK5X	N1SFE	W4KK
N1HOQ	KJ5OA	WW2R (EL09)	N1VMJ	W4TMR
N5RMS	N3TBB		N3UMA	W7JHS
VE7ZD	N4NIA	98	N4BH	W8DM
W4RVZ	N5RZK	AC2RL	N5OTY	WA3EEC
W5DPT	N5XTR	AD8Y	N6MA	WB0M
W5OV	N7EME	K0KC	N9APK	WB5KJE
W7UT	N8COP	K0UD	N9IO	WP4LNY
W9NFL	N8XS	K3IXD	N9KY	
WA8EQP	VP2MRM	K3QIA	NK7C	95
WB5FDP	W2CH	K4OP	NU0Y	AE0G

AE5EO	KB7AK	KE6AZX	W3HZU	K4AAP
K1PNQ	KC0AUY	KE6UMW	W4BP	K4FTP
K4ED	KC3AK	KE8RPJ	W4LIA	K4XZ
K8KFJ	KD4VRZ	KI0J	W6NS	K8EAB
K8ME	KE3WM	N2BX	W8JV	KA5TJI
K8VD	KF0LA	N2YTF	WA3JKB	KB5FHK
KD7WH	KG4NLZ	N3AO	WA4EEZ	KB7BSA
KD8DR	KU4JZ	N3ZBK	WM3O	KK4DZP
KD9ZR	N0LNE	N4GOA		KW3DX
KF6XA	N0LP	N4YHC	91	N2ULL
KI0SK	N2SU	N7EGY	AA0CW	N4BRF
KW9U	N3JBH	N7JI	AD3Y	N5BA
N1XK	N3XBG	N7KSI	CO2WZ	N9JJ
N2SLO	N3YUG	NA9D	K1UR	N9MSG
N2WLS	N5ZMP	VA7QI	K4SPA	VA3XOV
N3WAV	N6HY	VE3WMD	K6YK	W9CPV
N4ET	N6MXU	W0MHK	K7HPN	W9CSY
N5BLY	N7NH	W2VTV	K8OI	WA2BEV
N5ENU	N7UN	W3ZGD	KB2YWU	WA8OJR
N5KI	N8WWM	W4GPM	KB3IAI	WD9HCF
N9IV	N9DD	W5DMT	KB3NDS	WE7H
N9LJX	N9UNX	W7EIR	KB7AZ	WEST SEATTLE AMA
VA3KS	VA3MA	W7TRX	KC5POV	WH6LE
VA3PZ	VE3RX	W9IFW	KC8LGL	WT4C
VE3KZ	VE5MX	W9NED	KG4QWC	XE3/K5ENS
VE3SPW	VE7AB	W9WI	KI3O	
W3UA	W2GR	WA5ICA	KI5BLU	89
W4YZJ	W3IPA	WB5CON	KM7N	AB1TZ
W5ADA	W3TA		KM9I	AG2AA
W5CBF	W4LNG	92	KQ6K	AG7NR
W5RCQ	W5ODD	K1EY	N3PPH	G4NBS
W7JWC	W5PUF	K5GDX	N3WCM	JQ1TIV
W9SX	WA7LHZ	K5TDA	N7CZ	K4BMM
WA2ONK	WA9BXB	K7FU	N8DEZ	K5CX
WA3I	WT9U	K7HKR	NA7L	K5JAZ
WA4WR	WV7S	K7UWR	NR4J	KA0MWA
WB2SIH		KB0PQP	NU4N	KF4TVL
WD8DOT	93	KC4JNW	OE9KFV	KI0G
WS4S	AG2A	KD4QMY	W2SUB	KI4FW
XE2AT	AG6CV	KE4WBO	W4MLN	KI4US
	AI8F	KG4URP	W5KDA	KR4U
94	K0IW	KM3V	WB0NRV	N2GZ
AA4RP	K1PTF	KR7X	WB7X	N5KAE
AB4VT	K1ZK	N0RC	WC4V	N8YSZ
AD1DX	K2AK	N2SG	XE1GZU	N9RG
HK4SAN	K2MTS	N3GH		N9UDX
K0ARM	K4DAM	N4VN	90	NE2U
K3BEE	K5TRI	N5QO	AA0LM	VE3VCF
K3TUF	K6RM	N6FD	AB4WL	W0HRO
K4JRK	K7IP	N6RPM	AB9DU	W1HY
K4LDC	K7TRK	N7DED	AF5BG	W2JEK
K4YJ	KB0USF	NS6E	DL1SMA	W2OK
K8GT	KC5TGT	UT5JAJ	JH4JNG	W4ZMM
K9DOG	KC5TT	W1PV	K1HC	W6VNQ
K9SUL	KC9TTR	W2ACY	K1KA	W9HT
KA2F	KC9UL	W2CVW	K3CWF	WA7SDI
KA9UVY	KD0QG	W3ACO	K3UAL	WB3IAL

WM6Y
WQ5C
WR5AY
XE2NL
XE3DX

88

AA4QE
AE0DX
AE4OF
AF4MI
K1RS
K3TN
K4XD
K7CTV
K7WV
K7ZYV
K9JF
KB2KIR
KC1GWX
KC3MLC
KE7RTB
KE8UM
KI2D
KI4RFM
KJ4KW
N1CEO
N2MKT
N2ZN
N4CAG
N4GN
N4KIN
N4UC
N5VBK
NS3X
NT4TN
VE2VLJ
W2BZR
W3YX
W4DL
W4RXR
W7HDD
WA2BTR
WA5MD
WK3N
WV8O
XE1SOV

87

AC0A
AG4I
K4JC
K5UZ
KB1VUN
KC8NAH
KE6WOX
KI6RRD

N0ELA
N2CJN
NA5DX
NE5S
NI5F
NN7RM
W8GOC
WB3IGR
WB8JAY
WF4W
XE1RBV

86

AG1T
K7FB
KA9OKH
KB7JJG
KI6HQT
KN4MMH
KP4TB
KT1R
N2NF
N3MVF
N8TFD
NZ3O
VA3MDB
VA7LM
W8IW
WA1PMA
WA4USA
WB4GCS
XE2AU

85

EI3IO
K1UU
K4LRP
KB3MXK
KC0V
KE4DRF
KK4AND
N2RJ
VE3GFN
VE7DAY
W1WV
W3STU
W4IT
W4RA
W6ST
W7SIR
W8DQ
W9QY
WA4WKL
WD4LSS
WF4R

84

CT3FT
K4EZY
KE6NDG
N1KI
N2NWS
VE2WBK
W8PU
W8SGR

83

AA6E
DL5XJ
K1LH
K4SQC
K6JJ
K6UIP
K8SIA
KB3HHA
KB9LIE
KK7BV
KU4WW
TG9AKH
W4HFZ
W7USB
WD6T
WD9IOK
WI6Z
XE1MM

82

AD4IE
K4JMX
KC5YKX
KG4KVZ
N1SF
PU8TEP
W5DAS
W7YOZ
W8GG
WA2ONG
ZS6NK

81

AB4I
IK8YTA
KE4DZU
N6MM
N7NEV
NI4Y
W3MC
WA4ZXV
WA8ZNC
XE1EE

80

AC6BW

KE4PT
KR4Q
KW1DX
N2NS
VY2HF
W5TTY
W6TCP
W7AM

79

K4RW
KP4N
N2COP
N5YJZ
N9RC
VE3CFK
W2GW
W2SKI
WN0L

78

K2QPN
TG9AWS
W4NE

77

K1IFJ
MI0AYR

76

K0WYN
KI4CYB
KI7WXP
N1GNB
N2MH/4

75

G4RGK
K3PP
K8QM
N5GH
NP3YL
NX7U
W5UC
WP4NEG
ZL3AAU

74

AK8B
CX4AAJ
KF2TI
LU4FPZ
TI2CDA
VE6SO
WC6DX

73

JF1IRW
SV1RK
VP2MJD
W4WT

72

AB1QB
N4II
PV8ADI

71

K0GW
K4GK
K5WPN
W2YR
W3FGP
WC5M

70

GI4SJK
K4BNC
KC0ZRX
W2LV
W2QO
W4GP

69

K3WGR
WD4LBR

68

AA4S
EH7CD
K6CF
KW4OV

67

W7YED

66

K6KLY
KK4YEL

65

JA1XEC
K5EJ
N7UJJ
OK1MP
W4CCS

64

JG2TSL

63

EA1DR
KB0RFY

62 K4DXA	K5XI KI5KC N6DBF	35 GI4OWA LU9DO	KS4YX LA6OP ON6AB PA7TWO	LU5FF PY2RN UT3UA UX0DL WC2C
61 CU3AN	N8MR NP3IR YY4DNN	34 G4SEU LA2QM	23 GM4ILS HB9G JL1UXH K4SLC KP4EIT W8MK	14 HB9FMN HB9HIT JA2XCR KB8DVT PV8RR PY2OC W9TTY
60 KP4JFR S55DX UR9QQ VK4CZ	47 HB9RYZ	33 HL2IFR UR5WA W8GC WB4SON WB8TGY (EN72)	22 9H1SP HB9ALO IZ3ENH	13 K4WY PY2MC W4PWF
58 HB9BIN HB9EFK KC6NBI SV8CS WA2MUA	45 JA6WJL K4TXJ	32 N3LRH NP4TT SM6WET YL2JZ	21 EA1YN	12 EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB
57 HL2EIZ IK1ZOF N5LJL	44 WO3T XE2YWH/1	31 HA5PT	20 CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA	11 A65BR DL1TS DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU
56 EA5BY KI5WA LU8ADX NI6T UX1UA	43 8P6SH CT1EEN K4ZIN SV2AEL	30 E72X JA1WSK JL3LSF JO7WXN WA6DNR	19 EA6BB JI4WAO PY2HN SP8NR	10 DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW
55 G4FKA JL3MCM LA3MHA US5WE WA2EMF	42 TF3JB	29 JE1VTZ OE4VIE SP5APW	18 AJ6V KJ4EU OE3SGU VE6TA (DO31) W0HBH	9 DL7BA EB1EWE
54 AG4KI	41 K0BBC/R	28 CT8/K0RUI JA6CRP K0FMI OH3DP	17 G3LZQ PY2XAT W0JM	
53 K0BBC PP1CZ SP5QWB	40 E75AA JF1LMB JR0QFA N6PAZ WB8TGY	27 IZ4DPV KC9ELU WP4NIX	16 N6VHF	
51 CT1ETE N8OFS VE9FCP	39 AA5PK	26 HL2WA WB7QXU	15 9K2BM EI2GLB HL4GAV JR3UIC	
50 N6DW	38 DD3KF DU1EV IZ8EDJ K8YSE VK5PJ	25 EA4/K1WE		
48 G8BQX JA9KRO	37 BA7NQ HB9RUZ JA9APS	24 EI2JD F4BDG		
	36 JH9DRL			

EC7ZK	4	IK1IYU	WB7VUF
G6BFP	CT7/RC2A	IK2GOQ	YO8WW
JA1MZL	EK/RX3DPK	IZ8XQC	
JA2FGL	F1DFR	JA6AVT	
KB4YKC	IV3GOW	JA6SZV	
KD3UY	JG1JPE	JA9FAI	
	JH7IPR	JP1HDK	
8	JK6DXD	K7LY	
DK2LO	S51NM	KEN IN NEBRASKA	
JA1CPU	UT5EL	LA2CQ	
JE3PCP	XE1SAX	OH3KAV	
N8RO		SV1XV	
OH8LXT	3	SV3FUO	
	DF1ZN	YB2DX	
7	DJ5AV	YL2KF	
G8APB	DL2KQ		
HB9GWJ	EA1AR	1	
IZ0INX	EA4D	3A2MW	
JA2NDQ	F1RAF	9A2EY	
J12UDK	G3LHJ	BD4UJ	
JJ2NWI	GM4CFS	CT1AHU	
LA3DV	HA9PP	DH8BQA	
N5ORT	HL2ZN	DJ3ZF	
NJ4Y	IK0WRB	DL2DCX	
ZS4TX	IK3ITB	DL4ZAB	
	IK8EPC	EA3WD	
6	IK8GYS	EA4GQS	
CT2FEY	IW3GJF	G4VSS	
DH0GSU	JH7IMX	G6MXL	
DL1TRK	JM1GHT	G7SQS	
EA8MT	JN1BPM	G8TTI	
EI2JC	JR6IQI	IK5BSC	
JA7NGE	PY5IP	IW0AFS	
PY2VA	SA7CJO	IZ0BTV	
	SV1VN	IZ3DBA	
5	W1CBY	IZ5FSA	
DL5LH	WD9EWK (DM43)	JA1GZK	
EA1AAA	YB1TJ	JA7VXB	
EA7ZY	YL2CA	JH8XVT	
JE1LFX	YL2MU	JJ1PFC	
J15USJ		JL2ULM	
JJ1IDW	2	JN3ONX	
KB8VAO EN91KT	5B4ALJ	KC3KJQ	
M1VPN	7J1ADJ	KG4JSZ	
MU0GSY	9A2GA	KH6WI	
OH4UI	9K2NO	KP4DER	
OK1IN	BV6CC	MM0INH	
ON5UE	CO6CBF	OK1UU	
PP2RON	DF8FT	ON6NA	
SK6QA	DK1CO	OZ1IKY	
VE2NGH	EH4BPJ	PU5SVE	
VR2XMT	ES8JX	SM3GBA	
W1ZR	F5TMJ	SM6LPG	
W2ZF	G0THY	SQ5NRY	
YL2CZ	G4DDL	UN8G	
	G8GNI	UR5EDX	
	GI4ONL	VR2VGM	