

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 (22 Dec 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	472	456
AA0MZ	W5FF	K1USA	A11K	N4JQQ
AA5AM	W5KI	W0VTT	KB7ME	
AA5C	W5OZI		N7ZO	455
AA7A	W7GJ	482	WD8JJA	K4SO
A15I	W7JW	AD6D		
K0GU	W7KNT	KX4R	471	453
K1TOL	W7MEM		AF5CC	K4YMQ
K4PI	W9FF	481	N5KO	
K4XO	W9JN	W9VHF		452
K5RK	W9RM	WD5COV	469	N5BO
K5UR	W9XX		K7BG	W3UR
K5WE	WD5K	480	KM0T	
K7CW	WQ5S	K5GZR	N4TB	450
K7ULS	WS9V	N7KA		AJ4F
K8SIX		WB0ULX	467	N9BX
K9CT	487	XE2OR	AD1C	
KA9CFD	K7MAC		N5EKO	449
KA9FOX	K7TM	479	WO7R	KF6HI
KD5M	K9YY	W5WVO		W8TN
KG5CCI	N0AKC	WA7HQD	466	
KM0A	N7CW		KA0JGH	448
KO9A	N7IR	478	KB6NAN	W5XC
KR7O	N7NW	AE5B	ND4X	XE2K
KV5W	N9ISN	N5WS	WX7M	
N0LL	NA6L			447
N0LWF		477	464	K4HB
N0PB	486	NC6K	KB9OWD	KS7S
N0TB	K1TO	W9RN		N4SC
N1AV	KY7M	XE2CQ	463	W5EME
N3SL	N0KE		VE3EK	
N3XX		476		446
N5DG	485	K0BJ	462	K6EID
N5OMG	K5ND	KC7QY	K6ZH	N4QS
N6JV	K9MU	KC7V	N6ORB	NV4B
N9LB	N0POH		WE9R	
N9UM	W3IP	474		445
ND0B		N4WW	461	KU7Z
W0FY	484	W6XK	NA9RB	N5NA
W0JW	K0SIX			N8OC
W0LGQ	W5VY	473	458	
W3CP	W5ZN	NQ7R	K4MY	444
W4UDH		WB0O	KG5THG	N7BAV
W5ADD	483		N9BCA	NI0G
W5AFY	AC0RA		WB9CIF	W4DR

443 AB4IQ K4XP N4MM N9PGG NE1B	KF8MY N5TJ	KO4MA N5SYV W0GJ WB5JID	N8IEZ W1NG W5JAY	K1GG K8ROK
441 K8TB	429 WA5JCI	414 AH0U K7KQA	397 K5RT	382 K5PI K6VHF VE3YXO
440 AG9S KB8VAO W2IRT W3LPL W5THT	428 K9APW KP4AJ N2NL N4TL	413 WA9LFO	396 KB8U	381 W3VZ
439 WB8ZBT	427 N4QWZ W3LL WA1EAZ	411 K9MK N9EAT	395 AA5XE K0AZ K5WBM KF7CQ	380 K7MCX NM5U WA5LFD
438 KB9DAK	426 K4ZOT K8ZR N5OK XE2X	410 KE7SW KI8G N4HN	393 K7XC KK4MA NJ6D W4TV	379 N8WNA
437 NY0V	425 K6ML	408 W7BA	392 AF4HX N4UFO VE4EAR W6OMF	378 WR7X
436 K1HTV K3SX K7PI KD3CQ W3TC WB8ART	424 N4UFP N9AKR W3EP	407 W4AS W5CIA	391 N1EVK W4AVY	376 AA5JF K8GI K8VFX N2WK
435 K9KLD KF6A WB7CJO	423 AJ4A NA6MG	406 AK3E K6FG VE2XK 6M FN07PJ	388 K0IP W4WRL	375 K6QG WB4OQX
434 K1SIX	422 VE6WQ	405 AA4SC K5CKS	387 K2TER KV4T N4CH	374 AB1OC N6GP N7DB
433 N9FN W9WO	421 K8ROX WB8BPU	403 KE8KMX NH6T/W4	386 N7IJ NN4R W5TFW W7AH WE4S	373 K4SSO
432 K6GXO N6KK W5TRL	420 VE3LYC	402 K3FM	385 KF0M NK1K VE6MB W4WTA	372 W5MO
431 K0TLM N2QT	419 K7NN W0GN W5AL	401 K4CKS	384 AA1ON AB4SF	371 WA6BYA
430 K1TEO	416 K4RWP K7ND	400 W0JRP W0RH W3UUM	383 K5MB NT0V	370 AG4W K5TN KN4SM KS4YT KV7K N3MK NT0V
	415 K5OMC K7AWB	399 WA9DU	382 KF8UN	369 KF8UN
		398 K7SMA		

N2DPF	357 K4LVV W5PR	N3RC	332 AA7UN N4JDB N7KDT VA3IKE W9GM	323 KI0E N8II W4MAY W8KEN WW0E
368 KB0V W5RCI W6GMT	356 NY1V	341 KD7DCR NX7U WA7YAZ		
367 KC4HW KR4BD NT9E W7YAAQ	355 N2ZX	340 KE4TH N0AN	331 K8WDA KC0UDO N4MW N6KZ VE7BV	322 VA6SZ
	354 K0DEQ	339 KE4BKL VA7FC W5VAS		321 NC7B NS4C W9VA
366 AA4ZZ K17JA N4LR W7FI	353 AF2K K0CS K8EB		330 KB8MBC NK0S	320 K0VG N4DW
	352 NZ3M W0KKK W1JR WA9PWP XE2ML	338 VE3SXE WA5KBH	329 AA1QD N2JJ W1DYJ W2OR W8WG W9DCT W9XA WX4G	319 N7US W4ER
365 K4JJW KG7CW KZ2I WB4EVH		337 K8ZES NU6S W9EWZ WA5RT		318 N3ALN W4HY
364 AB5EB JA7QVI N6QQ	351 AA4FL K5DTC	336 AC9DX FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3DS WO9S	328 K6ME N5PT W2CNS	317 N3PS W1SKU WA7PDC WO2T
363 W4NH	350 AB9BH N6VI N8YO		327 K6EME KJ5RC N0YO W2JU	316 K3FN KA0ABA N1KDO W4UCK W9BWR
362 WA5OLT	349 K8JH KA0BAD	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA		315 K5VH KG6AY NY2NY
361 K7XB K8BL K9NR N7MB N8KOL NE9U NG4C	347 KT8O	334 K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	326 K2ZD K6LMN K6TDI KD5XB NG7M W7JLC WF7T	314 KU4XO
360 AA4FF K6UM (CN85) N3OC	346 W8LMG		325 WA2AEY	313 K0TC N6NR NF4A W4GLV W5RKN WA1NLG
359 NI0P	345 W3XY XE2YWH		324 K9SH KU4A N2BJ N8HRZ VE3TMG	
358 K5RLA	344 K6FW KB0PE KG8P W1OW	333 KM4HI KN4NN N0IGZ W3GQ		
	343 AB4EJ K5EK			

312 AF6O KA2GOJ WB3LHD	W9OBG WB0TVY	291 KS4S W1WHL	281 K4OY NL7CO W2YE	271 K4NNX K7NII KB7FUV N9JR W3HHN
311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S	290 W3HDH WA8EFK	280 K2UU N0KV NM5Z	270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B
310 AA8SW NJ7G W9KVR WO4DX	299 VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA NQ7G W4LTJ	279 AA8MA KF9UG N3JPU W0VHF (EL87) WA4NVM XE1FAS	269 K1GJQ K2IE K3ZO KD5R N5EPA N5WD
309 VE3XN	298 KD4WSC N1NK N4IQ	288 AA4LR HC2FG K1NU N6AR W1DU W4HLR	278 AA9D AJ4W K3JT N0LNO N8BJQ NN1N	268 K6OJ N9ZTS W0KAN
307 KE5K W3ATV W9RPM WB4KTF	297 N8YQX N9LF	287 JE1BMJ N8CGY	277 AC7JM JR1LZK NS4T PV8DX	267 K8DP KG6EG KX9N N2AMC N7UVH N8EHW W4FSO W5WP W9DRB
306 K6RO WV9L	296 K6YUI KC7RW	286 AG1A	276 K2CS K5TWJ K7TAB KE8Y	266 K1OA K1WVX TG9AJR WB8EJN
305 K6UM (CM88) KF2T KT1J WA9M	295 KE4P N7NT NA5Z W2HRO	285 K5CZD K9UO N0LD WA4HFN	275 K1MAA K2NJ N4GG W0FK W8PI	265 N5KS
304 K6IPF W4FC WA0GUD	294 JG1TSG K6JSV	284 AB0RX K0KP K4DET KX7L NJ2F (EL96) RETIRED	274 KB1DMX	264 AC8L K4JAF N0TK NF1O
303 EA8DBM K8TGC K8TL N7LAN	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	283 K1ST W8OP WA0FQK WB0CQO	273 K2BLA KM4H KV1J WB0OQV	263 AK4PR
302 KB2TGU W3TI	292 KJ6P W1SSN	282 AA0ZP DK8NE K5TA N0GZ N8JCM W4WM	272 K0PG XE1AO	
301 N0HJZ N2ZZ VE1JBC W7IB				

K3VAT	W0NOZ	245	K3KO	KD5IKG
K4XR	WA8KNE	N1IA	K4QE	KE4UW
K9AAA		N3XF		N4NX
W7CT	254	VA3CW	236	NN5DX
WB7QBS	KF8QL	WA8ZID	K0SU	
262	N7QOZ		K4NK	228
AE5FM	VE3OTL	244	KL0S	K5RUS
K3CWH	WD5ITW	AA9RR	MD0CCE	K7HSJ
KL7HBK		K8DV	N3FTI	KF2ZQ
N4ST	253	KD8JSP	N9ATD	N8AIA
ND4DX	KG4ERR	N3AIU (FM08)	W5AJX	W5HEZ
WA0KBZ	N2XQM	N4JRY	W9OO	
	W3SW	VA3ZV		227
	W9TA	VE3VHB		JA1UAV
261	252	W0VD	235	K8ZT
AF2F	AB5A	WD4IXD	ND0C	K9TF
K3TWK	CT1EEB		NN9X	KS9A
KB8UUZ	K1ACL	243	VO1GO	W4KXY
N3EW	NN4RR	JA1QJI	WB6RJH	
	VE6NTT	K3TC	WT2P	226
260	VE6SH	W4EJ	WZ9W	AF5WN
K6JAD		YV1DIG		N7CNH
N6HC	251		234	N8UR
W0PR	AD5JK	242	KE6FCT	NM5S
	K1NJ	K3WW		W0VX
259	K3NK	KA3TCC	233	WQ6Q
AK0MR	KG7NV	WA8MCD	K1AFC	XE1YY
KD4ADC	NN4SS		N3AIU (DM45)	
KG6I	250	241	N9NJS	225
KN5O	AA9LC	N6NU	VE7VZ	AC9O
N1RR	N8LRG	W5LO	W3DF	K9QJ
NS7K	NW6R		W8PAT	KX9X (EN50)
NY1E		240	XE1L	N2WSY
VE6BMX	249	AB5GU		N4SV
	CT1IUA	KG5EIU	232	VE3MSC
258	K8AO	KI0HA	AE4WG	W8AKS
K1BD	KQ5U	KK4ZUU	K5FO	WN6W
K2HAT	N1GC	KO6LU	N9NJY	
NA2NY		VA3HP	VE6TA (DO33)	224
WB7ECS	248	W1VT	W0PPA	JM1SZY
	K1ZZ	WA2VJL		K9MQ
257	W6VFA		231	WA4YA
K0CCM		239	K4MIJ	
K2KA	247	F4BKV	K6HEW	223
K5QE	W1FKF	KF4LVF	KF6GYM	GD0TEP
KD4MYE	W3TEF	W6RW	VA2CY	K7UA
N5DTT		W9YOY/M	W9XT	NJ7A
PY2XB	246	WA3SEE		
WA2HFI/0	K0DAS	WB1FLD	230	222
	KK8X		JM1IGJ	K0YY
256	N5TIT	238	K1ZE	K2TV
K3WA	W4FRA	AA3GM	KO4MM	K3AJ
N8ZJN	WI7P	JP1LRT	VA3XJ	KA1LMR
		KV7N	WB0WAO/8	KD4K
255		237		W8GJ
K8MVZ		K3FRK	229	WA2BOT
KG4JPL			K6RG	
			KB9RUG	

221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI	212 AB5C KF7NN N2OA N5PA	204 IT9IPQ W5LUA	W5CTV W9TD	189 KC0MEA W3SZ WA5VKS
220 HC1BI K7BTW	211 K9FOH NE8S VE3SMA W2ZDP W5HMK	203 K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM W9GFB W9VOB	196 JR2HCB K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	188 AD7KI KD4HLG W4AZR W6AER WA7VHF WU9Q WX9M
219 AI9L K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)	210 JR3REX 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 N0XLR N6ZE
217 KB1HY ND4V W4DEE	208 AI2N CO8DM KD5HIO PV8ABC	200 4A2MAX N5AO N9AG 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 N3KfV NJ8J W4OEP WB0YEA	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	184 AF5Q K0DEW KR4M N1IBM N4BG
215 AL7OC K2SX K15FJ N2YU N6KW NA5C	206 AB0CT AK4Y K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	198 AC8TO N0UK N7EPD NX0I WA7KYM	191 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	190 K2WJ K5ER KC2DLD N5SMQ N9UA W1ATV W2OO	182 AJ6T DF3CB FP/KV1J
213 K3DFL K16X W0NBC W8RD				

K5GMX	176	169	WA1Z	K7AD
K8WK	AD5ZA	K6XC		K7ZD
W2CCC	K0DI	KD5OMJ	161	KW0A
XE1CL	KX9X	N2BEG	K4EA	N1OFZ
181	N5QGH	N5XES	KB3CWQ	N2ADV
AB9FN	NP4BM	N7PHY	N2YBB	N6DHZ
K4CMS	W5AFD	VE3HHT	V44KAI	W3DQS
K5HDE	WA5IPS	W8KNO	VE3LC	W5FI
KB8YKR	WW2R		W4HOG	W9ILY
N3XJX		168		WB5ZAM
N4DTF	175	KG5ZMQ	160	
NY0A	PV8BR	W8WEJ	K5IQ	152
W4RBO			WA3DRC	N1NUM
W9BS	174	167		N2WM
WJ1B	K3MD	K4MQG	159	NU1T
180	K6WRL	KB1YNT	K4MZ	UT7QF
K0OST	KC6ZWT	KE5EP	NS7B	W6IA
K4LYN	KG7P	LU4FW	W1EME	WO4G
KC1MMC	KU0A	N0NHW	W4TTO	
N1RK	N1MGO	NO0T	WB8NUT	151
N6PEQ	NA2NY (ex-NA1VT)	TG9ADQ		KO0Z
N6VH	NA6O	W1BAT	158	W1ZT
WA5RR	W3SO		K8CR	W2DXE
	WA2PNI	166	KI0D	
		KC2GHT	N2CG	150
	173	N5VU		N9LAH
	K2ZZ	NC4RY	157	NE6I
	K5YPV	VA3WEB	K4FX	VE3OAT
	KE4SCY	WB4KXS	KB8GC	W7APM
			WA7NB	
	172	165		149
	AB9KZ	K4DXT	156	AB6CF
	K5ZED	KD5HPT	K2KJ	K4SAN
	KI4PKW	N1JFU	N3RN	KK9H
	KJ6HI	W0RIC	N9KO	WB4VHF
	VE2PN		VE7VDX	
	W4ABC	164		148
		K2SD	155	AC0DQ
	171	K5VWW	AE4M	AG0A
	AA4PB	KD0UHN	K3TD	G0OIL
	HP2AT	KF9US	K6XN	K0RU
	KC5GSK	W4CSW	N7AU	K7IU
	KC5YCH	WK7G	N9OBE	KB2YSI
	KI4TZ		NY4I	N0TM
	NS3L	163	TG9ANF	N5ZBI
	W1PX	K2JF	VA3NQ	W6VNB (CM88)
	WA2KBZ	K2YSY	WV8DX	WB6RAB
		KK0DX		
	170	N5XZ	154	147
	K5DB		AE4NT	AF6AV
	K9TVG	162	KB9VMW	IZ1LGB
	N4GBK	AF4GK	W3ZQN	K6PSP
	N8CN	K0QB		KC1BUF
	NA2U	KA1R	153	VE3CX
	W4IHI	KD4TDI	AA4NC	W4YCC
	W4JKC	W9JJB	AB4GG	W5WOX
	WK3V	W9VS	JA1OVD	WA0VPJ

WA3YGQ	WB9WHQ	OE6IMD	130	126
	WR7AY	W2JCN	AB0X	KJ7G
146	140	W4AVV	AK8CW	N0BDS
K2GW	AC5DK	W7UV	JA6RJK	N7DGI
K8YTO	CO2WF	XE2JS	K0GUR	WB4HUC
KB0YH	CT1BWU	135	K4JKB	YL2AO
KB5ZEA	JA1AFR	CU3EQ	KC4NX	125
KC2TN	K1UO	K4MWB	KE8RJU	AA6I
KM5TY	K7SAM	K8ZIZ	NG9R	AA7DK
N4HID	KC0MEZ	LY3W	PV8AJ	K3PU
VA2RC	KC8TMU	N4DB	VE1DX	KC5DRI
VE1VOX	KJ4KVC	N8XE	VE2TZT	KD2NF
W4HFZ	N1EN	W6BXQ	W0PHX	NT7C
145	N3VOP	WB8BZK	W2LES	W2AJM
KD7YZ	NJ0U	WW2DX	W3FEY	W3UQH
V31MD	VE3KY	XE1H	WA2SEI	W4DFU
VA3TTX	W4TUN	134	WB4YDL	WA6POZ
WA4JA	W6DQ	AB1NS	WW5W	WB4OMM
144	WA4KXY	AB4GE	129	WE1P
K0TLG	139	BA4SI	8P6ET	124
K5TDW	IZ8FFA	C6ABB	JF4VZT	K0DLW
K6JRA	K1DT	GM4UYE	K0KD	K8VA
K8MN	KC7JPC	HK3W	K5QWO	KB0HH (EM06)
K8WU	KU0G	KE5FXE	KC8KSK	KD5FTD
KA8SYV	N3FX	N3AIU (DN70)	KF4NEF	KM1C
N9DI	NA2AA	N8GOU	KM5LY	KT5MR
W5MPC	W2PD	W4TKI	KM5SC	N0SL
WO7GI	W4OV	WA3WZR	N9WBR	N9AZZ
143	WA5TKU	133	NZ6N	PV8AAS
K0KVR	WB2JIL	KA5ETS	128	W0PE
K6JBH	WY0V	KC1RET	KC7QAG	W1TAM
K9QFR	138	KE1VT	KJ6SDF	W7YM
KB8RJS	AC0XY	KM8V	KN4DMN	W9CDL
N8URE (FM19)	AI6O	N7T	W0WT	123
NA1VT	KD7WPJ	W0RT	W5ZO	AC7AF
W0HNM	KE0A	W4GE	W8FR	K9SM
W0UHL	KE3D	WW7Q	WB2WEO	KB0GT
WB0MMC	KE8RO	XE2O	WQ7F	KB0STN
WM5H	KQ4KX	132	127	KG6DHQ
142	N3XH	AB3CV	AA9RK	VE3TG
NA2X	137	IC8TEM	JA3LZS	W1HS
NC4VA	N1SZ	K5VG	K3GYK	W3SE
W5SWV	N5JGK	KW4G	K7UV	W4PRZ
WS4V	SM7AED	N4PPH	K8AC	W5EWF
141	136	NE1I	K8OS	W7MHW
K4AR	K0XXX	VE3TM	KB3OZC	W8BI
K9ATX	K4SX	WN6K	KB9TLV	W8KHP
KT8TD	KC5LK	131	KC0RQH	WA8WV
N9FIV	KC9AXZ	K3NAT	N2ZA	WB2RVX
W4FS	KJ5RM	KG9R	NO8D	122
W4POT	KV1E	N2CJ	VE2JWH	K7AED
W6ZI	NO1R		W1FLD	K7OGW
			WA6BIL	KA9JAC

KB4UF	KA4LBD	W4UFO	G4BWP	K7JE
KB5WFE	KF6MXK	WO2C	IW1ARB	KB0TIJ
KC5UGX	KI7BP	WX4US	K2DSW	KC7ICM
N5HYV	KT8X		K2JGL	KE5JXC
VE6PY	KW4BY	113	K2OO	KJ6MBW
VE7JAC	N1QDQ	AB4PM	K5DNL	KK2DOG
WD0GTY	N3JNX	AD5MD	K9GY	N0RQ
	N5EIL	K3DQB	KE6GLA	N1USB
121	NZ1I	KD4BPZ	KJ6CA	N2IPH
AE1P	W2AC / WB2ABK	KD6VCD	KZ7N	N4CE
K0MFI	W2AC/WB2ABK	KM5OL	N8TMW	N5FPW
K4HBI	WB2KSK	N3JDQ	N9TTX	N5YHF
KB2WAL		N4YCI	VE3AAQ	N8HM
KB5MH	117	N5YK	W0YJT	N9XMU
KE4JFS	AB5J	W0BM	W1OP	VA3OKG
NE0P/9	K4WS	W8MSP	W4ZRZ	VE3AJY
UR0MC	N4USG	W8VW	W5MPC/1	WB6VYH
W8DN	N5JEH*	WD0ENC	W7RJR	WQ9F
WB9TFH	N5LPT		WB6YIY	
	NU6V	112	WB9W	105
120	W6WE	K2MLS		AC4Q
EA1YO	WA1TBV	K3GD	108	K4SJA
K2CYE	XE2PXN	K5WTA	CF3VRQ	K9MAL
K4CGY		KA7T	HB9BZA	KB3JGS
KD0R	116	N5HMH	JA9IPF	KC0JYT
KD4MZM	IK7EOT	W1TR	K5OPB	KC4KK
KD5BRF	JR1BAS	W5DM	N3MWQ	KF4DGS
KE4SCY (FM06)	K4RGN	W5DQ	N5DD	KJ7TH
N3YPJ	KI6QDH	W6OAT	VE3SUB	N4NQY
VE1JC	KU5B	W7IV	VE7IG	N5SAN
VE3XK	N0VR	W9PN	VY2RU	N7YY
W4LVH	NO0B	WA8TWM	W4AMP	NE9O
WA6RAY	W0DHB	WX3P	W4CRN	PU4JOE
WB0WAO		XE1GK	W5AAJ	VE3VRQ
WD4OHD	115		W8EH	W8MIL
	K9MMS	111	W9VNE	W9RVG
119	KE6TVM	N0SLT	XE1R	WA4MYO
AE5AU	KF0QS	N8IK		
K0AWU	KF9AF	PC3T	107	104
K1ZN	KM5FA	W8GBH	JA3EGE	AB9YC
K2SQS	N7VGO	WZ8P	K5UIC	AC5K
K4MSG	VK9DX		KF7PG	AC5RN
K7JIZ	WA3BZT	110	KI9A	AC9QR
KF7PCL	WC7V	K5KR	KK4LUM	IK4DRY
KP3V		K7LD	N3TTT	K5PPP
KT0P	114	KD5J	N9OI	KB9RNO
KW7N	AC8HU	KI0F	NF0T	KC2TR
N4UPX	K2RET	KP4JRS	US0KW	KD9GKL
W0QC	K3RTU	KQ4LA	W2ODH	KJ7OG
W4SW	K9AAN	KX5U	W2TTT	KM6WXB
W7QQ	KC4GCK	N5TIF	WB4PPW	KO4LZ
WI4T	KG9Z	N5YM		N0STP
WM9M	NF8M	W7JET	106	N1LDY
	VE1WOW	W7UP	EA4DEI	N2FBQ
118	VE3IRR		K0MEI	N3UPS
J68AS	W2JLK	109	K5BJW	N7AGF
K4AZV	W4ALF	AK6ZZ	K7BWH	NJ1H

VE2PIJ	W9NFL	N8COP	K0UD	N9IO
W1TE	WA8EQP	N8XS	K3IXD	N9KY
W1ZE	WB5FDP	VP2MRM	K3QIA	NK7C
W4KVS		W2CH	K4OP	NU0Y
W6ZQ	101	W4/KL7GLL	K5HOB	VA3FIN
W9MDB	AE7V	W4OZK	KA1EKR	W3QT
WB2VUO	K0RAR	W8BZY	KE4LGL	W4CWA
WB8BZK/VE3	K0SBV	W9DQ	KG4YOU	W4DAS
WG3K	K0WJ	WA5TLP	KG7E	W4ID
	K2NUD	WV9E	KJ2G	W7DN
103	K5DWI		KK0CQ	WA6OSX
AA5CK	K5HX	99	KY0Q	WA9LEY
AB0YM	K7SYS	AB0SD	N0JJQ	WB8RVK
AB5SS	KB4KBS	AB3TM	N1JHJ	WB8ZTV
K2OY	KC6AWX	K0YO	N3LRP	WB9PNU
K4MVL	KC8CSD	K4KEW	N5TEY	WE8L
K6USY	KG8WB	K4WQ	N8AID	
K8ZEE	KG9IL	K4ZO	NO5X	96
KA1W	KL2R	K5VPQ	NO8R	AD5OW
KB0FHP	KR4WM	K7DD	VA3VF	AE4TQ
KB2SGX	KR7LD	K7PAP	W2KRP	AK4F
KC9FFV	N1IX	K9ZZE	W6TE	K2CK
KF0AIJ	N4AOE	KA0ZEE	WA2FGK	K2UF
KF4DVG	N8VEA	KC2IEB	WA3TLT	K2UNK
KR4NO	N9DVS	KC6X	WB1GQR	K4EQH
N0YXE	ON9CMR/W0	KD4MWO	WB2YDS	K5CRJ
N1JIF	VA2LGG	KD6RUH	WD0E	K8EMR
VE7DXG	W4LLP	KR4UA	WH6LR	K9OT
W0TF	W5KBD	M5MYH	WT5H	KA2NDX
W3LEO	W7ISG	N4FV	WV5Y	KA3HED
W6IT	WB8IMY	N5OHL		KB5GI
W6XU	WD5IYT	N7HRT	97	KB8PNS
		N7JPF	AB8M	KC0HBP
102	100	N7TE	AJ9C	KD6PY
AA9MY	AC0FT	N8GHZ	K0HB	KI5TE
AB8JH	AI2S	N8YV	K0JQZ	KM2O
AD6KH	AI9U	N9MKC	K0QEI	KM5NU
K0HAQ	K2UA	NB5R	K0SH	KS4V
K3HW	K4UQC	NH6CJ	K0YQ	KT5RR
K5VR	K5GM	NI5W	K3HZO (FN20)	N0WVU
K9AM	K5KV	NS2P	K4GTR	N2LID
K9OHI	K8IJ	VE2HAY	K4JQU	N2VHZ
KA3ZLS	K9CC	W2HOG	K8XF	N2XK
KB8CR	KB9ZLB	W2VU	KA2BSK	N8PAQ
KC6WFS	KC2HLI	W5JLC	KA7EII	N8YBY
KC8DMN	KC8CC	W6TJU	KC0YBM	NT2A
KD8NYO	KC9CMT	WA1LAD	KD5CKP	NW5Q
KE1AU	KD3SW	WA5TRX	KF4KSN	NY2Z
KJ4M	KE5CVM	WB5NHX	KM4NYI	VE2DCP
KR5V	KF0Q	WB7VVD	KT5WB	W1HMM
N1HOQ	KG5X	WK5X	N1SFE	W4KK
N5RMS	KJ5OA	WW2R (EL09)	N1VMJ	W4TMR
VE7ZD	N3TBB		N3UMA	W7JHS
W4RVZ	N4NIA	98	N4BH	W8DM
W5DPT	N5RZK	AC2RL	N5OTY	WA3EEC
W5OV	N5XTR	AD8Y	N6MA	WB0M
W7UT	N7EME	K0KC	N9APK	WB5KJE

WP4LNY	K9DOG	KC5TT	W1PV	K1HC
95	K9SUL	KC9TTR	W2ACY	K1KA
AE0G	KA2F	KC9UL	W2CVW	K3CWF
AE5EO	KA9UVY	KD0QG	W3ACO	K3UAL
K1PNQ	KB7AK	KE6AZX	W3HZU	K4AAP
K4ED	KC0AUY	KE6UMW	W4BP	K4FTP
K8KFJ	KC3AK	KE8RPJ	W4LIA	K4XZ
K8ME	KD4VRZ	KI0J	W6NS	K8EAB
K8VD	KE3WM	N2BX	W8JV	KA5TJI
KD7WH	KF0LA	N2YTF	WA3JKB	KB5FHK
KD8DR	KG4NLZ	N3AO	WA4EEZ	KB7BSA
KD9ZR	KU4JZ	N3ZBK	WM3O	KK4DZP
KF6XA	N0LNE	N4GOA	91	KW3DX
KI0SK	N0LP	N4YHC	AA0CW	N2ULL
KW9U	N2SU	N7EGY	AD3Y	N4BRF
N1XK	N3JBH	N7JI	CO2WZ	N5BA
N2SLO	N3XBG	N7KSI	K1UR	N9JJ
N2WLS	N3YUG	NA9D	K4SPA	N9MSG
N3WAV	N5ZMP	VA7QI	K6YK	VA3XOV
N4ET	N6HY	VE3WMD	K7HPN	W9CPV
N5BLY	N6MXU	W0MHK	K8OI	W9CSY
N5ENU	N7NH	W2VTV	KB2YWU	WA2BEV
N5KI	N7UN	W3ZGD	KB3IAI	WA8OJR
N9IV	N8WWM	W4GPM	KB3NDS	WD9HCF
N9LJX	N9DD	W5DMT	KB7AZ	WE7H
VA3KS	N9UNX	W7EIR	KC5POV	WEST SEATTLE AMA
VA3PZ	VA3MA	W7TRX	KC8LGL	WH6LE
VE3KZ	VE3RX	W9IFW	KG4QWC	WT4C
VE3SPW	VE5MX	W9NED	KI3O	XE3/K5ENS
W3UA	VE7AB	W9WI	KI5BLU	89
W4YZJ	W2GR	WA5ICA	KM7N	AB1TZ
W5ADA	W3IPA	WB5CON	KM9I	AG2AA
W5CBF	W3TA	92	KQ6K	AG7NR
W5RCQ	W4LNG	K1EY	N3PPH	G4NBS
W7JWC	W5ODD	K5GDX	N3WCM	JQ1TIV
W9SX	W5PUF	K5TDA	N7CZ	K4BMM
WA2ONK	WA7LHZ	K7FU	N8DEZ	K5CX
WA3I	WA9BXB	K7HKR	NA7L	K5JAZ
WA4WR	WT9U	K7UWR	NR4J	KA0MWA
WB2SIH	WV7S	KB0PQP	NU4N	KF4TVL
WD8DOT	93	KC4JNW	OE9KFV	KI0G
WS4S	AG2A	KD4QMY	W2SUB	KI4FW
XE2AT	AG6CV	KE4WBO	W4MLN	KI4US
94	AI8F	KG4URP	W5KDA	KR4U
AA4RP	K0IW	KM3V	WB0NRV	N2GZ
AB4VT	K1PTF	KR7X	WB7X	N5KAE
AD1DX	K1ZK	N0RC	WC4V	N8YSZ
HK4SAN	K2AK	N2SG	XE1GZU	N9RG
K0ARM	K2MTS	N3GH	90	N9UDX
K3BEE	K4DAM	N4VN	AA0LM	NE2U
K3TUF	K5TRI	N5QO	AB4WL	VE3VCF
K4JRK	K6RM	N6FD	AB9DU	W0HRO
K4LDC	K7IP	N6RPM	AF5BG	W1HY
K4YJ	K7TRK	N7DED	DL1SMA	W2JEK
K8GT	KB0USF	NS6E	JH4JNG	W2OK
	KC5TGT	UT5JAJ		W4ZMM

W6VNO	KB1VUN	WA4WKL	XE1EE	TI2CDA
W9HT	KC8NAH	WD4LSS		VE6SO
WA7SDI	KE6WOX	WF4R	80	WC6DX
WB3IAL	KI6RRD		AC6BW	
WM6Y	N0ELA	84	K7FR	73
WQ5C	N2CJN	CT3FT	KE4PT	JF1IRW
WR5AY	NA5DX	K4EZY	KR4Q	SV1RK
XE2NL	NE5S	KE6NDG	KW1DX	VP2MJD
XE3DX	NI5F	N1KI	N2NS	W4WT
	NN7RM	N2NWS	UW5ZM	
88	W8GOC	VE2WBK	VY2HF	72
AA4QE	WB3IGR	W8PU	W5TTY	AB1QB
AE0DX	WB8JAY	W8SGR	W6TCP	N4II
AE4OF	WF4W		W7AM	PV8ADI
AF4MI	XE1RBV	83		
K1RS		AA6E	79	71
K3TN	86	DL5XJ	K4RW	HB9EFK
K4XD	AG1T	K1LH	KP4N	K0GW
K7CTV	K7FB	K4SQC	N2COP	K4GK
K7WV	KA9OKH	K6JJ	N5YJZ	K5WPN
K7ZVY	KB7JJG	K6UIP	N9RC	W2YR
K9JF	KI6HQT	K8SIA	VE3CFK	W3FGP
KB2KIR	KN4MMH	KB3HHA	W2GW	WC5M
KC1GWX	KP4TB	KB9LIE	W2SKI	
KC3MLC	KT1R	KK7BV	WN0L	70
KE7RTB	N2NF	KU4WW		GI4SJQ
KE8UM	N3MVF	TG9AKH	78	K4BNC
KI2D	N8TFD	W7USB	K2QPN	KC0ZRX
KI4RFM	NZ3O	WD6T	TG9AWS	W2LV
KJ4KW	VA3MDB	WD9IOK	W4NE	W2QO
N1CEO	VA7LM	WI6Z		W4GP
N2MKT	W8IW	XE1MM	77	
N2ZN	WA1PMA		K1IFJ	69
N4CAG	WA4USA	82	MI0AYR	K3WGR
N4GN	WB4GCS	AD4IE		WD4LBR
N4KIN	XE2AU	CB0ZA	76	
N4UC		K4JMX	K0WYN	68
N5VBK	85	KC5YKX	KI4CYB	AA4S
NS3X	EI3IO	KG4KVZ	KI7WXP	EH7CD
NT4TN	K1UU	N1SF	N1GNB	K6CF
VE2VLJ	K4LRP	PU8TEP	N2MH/4	KW4OV
W2BZR	KB3MXK	W5DAS		
W3YX	KC0V	W7YOZ	75	67
W4DL	KE4DRF	W8GG	G4RGK	W7YED
W4RXR	KK4AND	WA2ONG	K3PP	
W7HDD	N2RJ	ZS6NK	K8QM	66
WA2BTR	N4LS		N5GH	K6KLY
WA5MD	VE3GFN	81	NP3YL	KK4YEL
WK3N	VE7DAY	AB4I	W5UC	
WV8O	W1WV	IK8YTA	WP4NEG	65
XE1SOV	W3STU	KE4DZU	ZL3AAU	JA1XEC
	W4IT	N6MM		K5EJ
87	W4RA	N7NEV	74	N7UJJ
AC0A	W6ST	NI4Y	AK8B	OK1MP
AG4I	W7SIR	W3MC	CX4AAJ	W4CCS
K4JC	W8DQ	WA4ZXV	KF2TI	
K5UZ	W9QY	WA8ZNC	LU4FPZ	

64 JG2TSL	50 N6DW	37 BA7NQ JA9APS	WB7QXU	16 N6VHF
63 EA1DR KB0RFY	48 G8BQX JA9KRO K5XI KI5KC N6DBF N8MR NP3IR YY4DNN	36 JH9DRL OH4UI	25 EA4/K1WE	15 9K2BM EI2GLB HB9HIT HL4GAV JR3UIC LU5FF PY2RN UT3UA UX0DL WC2C
62 K4DXA		35 GI4OWA LU9DO	24 EI2JD F4BDG KS4YX LA6OP ON6AB PA7TWO	
61 CU3AN SP5QWB		34 G4SEU HB9ALO LA2QM UR5WA	23 GM4ILS HB9G JL1UXH K4SLC KP4EIT W8MK	
60 KP4JFR S55DX UR9QQ VK4CZ	47 HB9RYZ	33 HL2IFR W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH	14 HB9FMN JA2XCR KB8DVT PV8RR PY2OC W9TTY
58 HB9BIN KC6NBI SV8CS WA2MUA	46 LU2DX	32 N3LRH NP4TT SM6WET	21 EA1YN	13 K4WY PY2MC W4PWF
57 HL2EIZ IK1ZOF N5LJL	45 JA6WJL K4TXJ	31 HA5PT	20 CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA	12 EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB
56 EA5BY KI5WA LU8ADX NI6T UX1UA	44 WO3T XE2YWH/1	30 E72X JA1WSK JL3LSF JO7WXN WA6DNR	19 EA6BB JI4WAO PY2HN SP8NR	
55 G4FKA JL3MCM LA3MHA US5WE WA2EMF	43 8P6SH CT1EEN HB9RUZ K4ZIN SV2AEL	29 JE1VTZ OE4VIE SP5APW	18 AJ6V KJ4EU OE3SGU VE6TA (DO31) W0HBH	11 A65BR DL1TS DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU
54 AG4KI	42 TF3JB	28 CT8/K0RUI JA6CRP K0FMI OH3DP		
53 K0BBC PP1CZ	41 K0BBC/R	27 IZ4DPV KC9ELU WP4NIX		
51 CT1ETE N8OFS VE9FCP	40 E75AA JF1LMB JR0QFA N6PAZ WB8TGY	26 HL2WA		

PA5KT	PP2RON	EH4BPJ	OZ1IKY
SV2DCD	SK6QA	ES8JX	PU5SVE
TF3Y	VE2NGH	F5TMJ	SM3GBA
UR7DWW	VR2XMT	G0THY	SM6LPG
9	W1ZR	G4DDL	SQ5NRY
DL7BA	W2ZF	G8GNI	UN8G
EB1EWE	YL2CZ	GI4ONL	UR5EDX
EC7ZK	4	IK1IYU	VR2VGM
G6BFP	CT7/RC2A	IK2GOQ	WB7VUF
JA1MZL	EK/RX3DPK	IZ8XQC	YO8WW
JA2FGL	F1DFR	JA6AVT	
KB4YKC	IV3GOW	JA6SZV	
KD3UY	JG1JPE	JA9FAI	
8	JH7IPR	JP1HDK	
DK2LO	JK6DXD	K7LY	
JA1CPU	S51NM	KEN IN NEBRASKA	
JE3PCP	UT5EL	LA2CQ	
N8RO	XE1SAX	OH3KAV	
OH8LXT	3	SV1XV	
7	DF1ZN	SV3FUO	
G8APB	DJ5AV	YB2DX	
HB9GWJ	DL2KQ	YL2KF	
IZ0INX	EA1AR	1	
JA2NDQ	EA4D	3A2MW	
JI2UDK	F1RAF	9A2EY	
JJ2NWI	G3LHJ	BD4UJ	
LA3DV	GM4CFS	CT1AHU	
N5ORT	HA9PP	DH8BQA	
NJ4Y	HL2ZN	DJ3ZF	
ZS4TX	IK0WRB	DL2DCX	
6	IK3ITB	DL4ZAB	
CT2FEY	IK8EPC	EA3WD	
DH0GSU	IW3GJF	EA4GQS	
DL1TRK	JH7IMX	G4VSS	
DU0A	JM1GHT	G6MXL	
EA8MT	JN1BPM	G7SQS	
EI2JC	JR6IQI	G8TTI	
JA7NGE	PY5IP	IK5BSC	
PY2VA	SA7CJO	IW0AFS	
5	SV1VN	IZ0BTV	
DL5LH	W1CBY	IZ3DBA	
EA1AAA	WD9EWK (DM43)	IZ5FSA	
EA7ZY	YB1TJ	JA1GZK	
IK8GYS	YL2CA	JA7DPC	
JE1LFX	YL2MU	JA7VXB	
JI5USJ	2	JH8XVT	
JJ1IDW	5B4ALJ	JJ1PFC	
KB8VAO EN91KT	7J1ADJ	JL2ULM	
M1VPN	9A2GA	JN3ONX	
MU0GSY	9K2NO	KC3KJQ	
OK1IN	BV6CC	KG4JSZ	
ON5UE	CO6CBF	KH6WI	
	DF8FT	KP4DER	
	DK1CO	MM0INH	
		OK1UU	
		ON6NA	