

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 (09 Mar 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	W5AJ	483	473	459
AA0MZ	W5FF	AC0RA	NQ7R	K4MY
AA5AM	W5KI	K0TPP	WB0O	
AA5C	W5OZI	K1USA		458
AA7A	W7GJ	W0VTT	472	KG5THG
A15I	W7JW		A11K	N9BCA
K0GU	W7KNT	482	KB7ME	
K1TOL	W7MEM	AD6D	N7ZO	456
K4PI	W9FF	KX4R	WD8JJA	N4JQQ
K4XO	W9JN			
K5RK	W9RM	481	471	455
K5UR	W9XX	W9VHF	AF5CC	K4SO
K5WE	WD5K			
K7CW	WQ5S	480	470	453
K7ULS	WS9V	K5GZR	WO7R	K4YMQ
K8SIX		WB0ULX		
K9CT	487	XE2CQ	469	452
KA9CFD	K7MAC	XE2OR	K7BG	N5BO
KA9FOX	K7TM		N4TB	W3UR
KD5M	K9YY	479		
KG5CCI	N0AKC	KM0T	467	451
KM0A	N7CW	N5WS	AD1C	XE2K
KO9A	N7IR	W5WVO	N5EKO	
KR7O	N7NW	WA7HQD		450
KV5W	N9ISN		466	AJ4F
N0LL	NA6L	478	KA0JGH	N9BX
N0LWF		AE5B	KB6NAN	
N0PB	486		ND4X	449
N0TB	K1TO	477	WB9CIF	KF6HI
N1AV	KY7M	K0BJ	WX7M	W8TN
N3SL	N0KE	NC6K		
N3XX	WD5COV	W9RN	464	448
N5DG			KB9OWD	W5XC
N5OMG	485	476	WE9R	
N6JV	K5ND	KC7QY		447
N9LB	K9MU	KC7V	463	K4HB
N9UM	N0POH		VE3EK	KS7S
ND0B	W3IP	475		N4SC
W0FY		N5KO	462	
W0JW	484		K6ZH	446
W0LGQ	K0SIX	474	N6ORB	K6EID
W3CP	N7KA	N4WW	W5EME	N4QS
W4UDH	W5VY	W6XK		NV4B
W5ADD	W5ZN		461	
W5AFY			NA9RB	

445 KU7Z N5NA N8OC	432 K6GXO N6KK W5TRL	420 KK4MA VE3LYC	403 NH6T/W4	387 AA1ON K2TER KV4T N4CH
444 KB8VAO N7BAV NI0G W4DR	431 K0TLM K8ZM N2QT WA1EAZ	419 K7NN W0GN W5AL	402 K3FM	386 K8JH N7IJ NN4R W5TFW W7AH WE4S
443 AB4IQ K4XP N4MM N9PGG NE1B	430 K1TEO KF8MY N5SYV N5TJ	416 K4RWP K7ND	400 NJ6D W0JRP W0RH W3UUM	385 KF0M NK1K VE6MB W4WTA
441 K8TB KD3CQ	429 WA5JCI	415 K5OMC K7AWB KO4MA W0GJ WB5JID	399 WA9DU	384 AB4SF K1GG K8ROK
440 AG9S KB9DAK W2IRT W3LPL W5THT	428 K9APW KP4AJ N2NL N4QWZ N4TL	414 AH0U K7KQA	398 K7SMA N8IEZ W1NG W5JAY	382 K5PI K6VHF VE3YXO
439 WB7CJO WB8ZBT	427 N4LR NM5U W3LL	413 WA9LFO	397 K5RT	381 W3VZ
438 K1HTV	426 K4ZOT K8ZR N5OK XE2X	411 K9MK N9EAT	396 KB8U	380 K7MCX NE6I WA5LFD
437 NY0V	425 K6ML	410 KE7SW KE8KMX KI8G N4HN	395 AA5XE K0AZ K5WBM KF7CQ	379 KZ2I N8WNA
436 K3SX K7PI N9FN W3TC WB8ART	424 N4UFP N9AKR W3EP	408 W7BA	393 K7XC W4TV	378 AG4W WR7X
435 K9KLD KF6A	423 AJ4A NA6MG	407 W4AS W5CIA	392 AF4HX N4UFO W6OMF	376 AA5JF K8GI K8VFN N2WK
434 K1SIX	422 VE6WQ	406 AK3E K6FG VE2XK 6M FN07PJW4AVY	391 N1EVK	375 K6QG WB4OQX
433 W9WO	421 K8ROX WB8BPU	405 AA4SC K5CKS	389 NE9U	
		404 N2ZX VE4EAR	388 AE5FM K0IP W4WRL	

374 AB1OC KV7K N6GP N7DB	362 WA5OLT	347 KT8O	335 K5FUV K5FZ K9QVB KB4MRX W9GKA	W2JU
373 K4SSO	361 K7XB K8BL K9NR N7MB N8KOL NG4C	346 W8LMG	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	326 K2ZD K6LMN K6TDI KD5XB NG7M VE1JBC W7JLC WF7T
372 W5MO	360 AA4FF K6UM (CN85) N3OC	345 W3XY XE2YWH	333 KM4HI KN4NN N0IGZ N6KZ W3GQ	325 WA2AEY WB4KTF
371 WA6BYA	359 NI0P	344 AC9DX K6FW KB0PE KG8P N9XG W1OW	332 AA7UN N4JDB N7KDT VA3IKE W9GM	324 K9SH KU4A N2BJ N8HRZ VE3TMG
370 K5TN KN4SM KS4YT N3MK NT0V	358 K5RLA	343 AB4EJ K5EK N3RC	331 K8WDA KC0UDO N4MW VE7BV	323 N8II W4MAY W8KEN
369 JA7QVI KF8UN N2DPF	357 K4LVV W5PR	341 KB1EFS KD7DCR NX7U WA7YAZ	330 KB8MBC NK0S	322 VA6SZ
368 KB0V W5RCI W6GMT	356 NY1V	340 KE4TH N0AN	329 AA1QD N2JJ W1DYJ W2OR W8WG W9DCT W9XA WX4G	321 NC7B NS4C W9VA
367 AA4ZZ KC4HW K10E KR4BD NT9E W7Yaq	355 AF2K K0CS K8EB	339 KE4BKL VA7FC W5VAS	328 K6ME N5PT W2CNS	320 K0VG N4DW
366 KI7JA W7FI	352 NZ3M VE3DS W0KKK W1JR WA9PWP XE2ML	338 VE3SXE WA5KBH	319 N7US W4ER	318 N3ALN W4HY
365 K4JJW KG7CW WB4EVH	351 AA4FL K5DTC	337 K0DD K8ZES NU6S W9EWZ WA5RT WW0E	317 KA8SYV N3PS W1SKU WA7PDC WO2T	316 K3FN
364 AB5EB N6QQ	350 AB9BH N6VI N8YO	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S	327 K6EME KJ5RC N0YO	
363 W4NH	349 KA0BAD			

KA0ABA N1KDO W4UCK W9BWR	WA9M	N7NT NA5Z W2HRO	K0KP K4DET KX7L NJ2F (EL96) RETIRED	275 K1MAA K2NJ N4GG W0FK W8PI
315 K5VH KG6AY NY2NY	304 K6IPF W4FC WA0GUD	294 JG1TSG K6JSV	283 W8OP WA0FQK WB0CQO	274 KB1DMX
314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K5TA N0GZ N8JCM W4WM	273 K2BLA KM4H KV1J WB0OQV
313 K0TC N6NR NF4A W4GLV W5RKN WA1NLG	302 KB2TGU W3TI	292 KJ6P W1SSN	281 K4OY NL7CO W2YE	272 K0PG XE1AO
312 AF6O KA2GOJ WB3LHD	301 N0HJZ N2ZZ W7IB W9OBG WB0TVY	291 K1ST KS4S W1WHL	280 K2UU N0KV NM5Z	271 K7NII KB7FUV KM3V N9JR W3HHN
311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S	290 W3HDH WA8EFK	279 AA8MA KF9UG N3JPU W0VHF (EL87) WA4NVM XE1FAS	270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B
310 AA8SW N1NK NJ7G W9KVR WO4DX	299 VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA NQ7G W4LTJ	278 AA9D AJ4W K3JT N0LNO N8BJQ NN1N	269 K1GJQ K2IE K3ZO KD5R N5EPA N5WD VA2CY
309 AA4LR VE3XN	298 AG1A KD4WSC N4IQ	288 HC2FG K1NU N6AR W1DU W4HLR	277 AC7JM JR1LZK NS4T PV8DX	268 K6OJ N9ZTS W0KAN
307 KE5K W3ATV W9RPM	297 DK8NE N8YQX N9LF	287 JE1BMJ N8CGY WA8ZID	276 K2CS K5TWJ K7TAB KE8Y	267 K8DP KG6EG KX9N N2AMC N7UVH N8EHW
306 K6RO WV9L	296 K6YUI KC7RW	285 K5CZD K9UO N0LD WA4HFN		
305 K6UM (CM88) KF2T KT1J	295 KE4P	284 AB0RX		

W4FSO	258	250	240	232
W5WP	K1BD	AA9LC	AB5GU	AE4WG
W9DRB	K2HAT	NW6R	KG5EIU	AI9L
266	NA2NY	249	KIOHA	K5FO
K1OA	WB7ECS	CT1IUA	KK4ZUU	N9NJY
K1WVX	257	K8AO	KO6LU	W0PPA
TG9AJR	K0CCM	KQ5U	VA3HP	231
WB8EJN	K2KA	N1GC	W1VT	K4MIJ
265	K5QE	248	WA2VJL	K6HEW
N5KS	KD4MYE	K1ZZ	239	KF6GYM
264	N5DTT	W6VFA	W6RW	W9XT
AC8L	PY2XB	247	W9YOY/M	230
K4JAF	WA2HFI/0	W1FKF	WA3SEE	K1ZE
N0TK	256	W3TEF	WB1FLD	KO4MM
NF1O	K3WA	246	238	VA3XJ
263	N8ZJN	JA1UAV	AA3GM	WB0WAO/8
AK4PR	255	K0DAS	JP1LRT	229
K3VAT	JM1IGJ	KK8X	K3FRK	K6RG
K4XR	K8MVZ	N5TIT	KV7N	KB9RUG
K9AAA	KG4JPL	VE6TA (DO33)	237	KD5IKG
W7CT	W0NOZ	W4FRA	K3KO	KE4UW
WB7QBS	WA8KNE	WI7P	K4QE	N4NX
262	254	245	236	NN5DX
K3CWH	KF8QL	N1IA	K0SU	228
KD8JSP	N7QOZ	N3XF	K4NK	K5RUS
KL7HBK	VE3OTL	VA3CW	KL0S	K7HSJ
N4ST	WD5ITW	244	MD0CCE	KF2ZQ
ND4DX	253	AA9RR	N3FTI	N8AIA
WA0KBZ	KG4ERR	K8DV	N9ATD	W5HEZ
261	N2XQM	N3AIU (FM08)	W5AJX	227
AF2F	N8LRG	N4JRY	W9OO	K8ZT
K3TWK	W3SW	VA3ZV	235	K9TF
KB8UUZ	W9TA	VE3VHB	ND0C	KS9A
N3EW	252	W0VD	NN9X	W4KXY
260	AB5A	WD4IXD	VO1GO	W5LUA
K6JAD	CT1EEB	243	WB6RJH	XE1GLL
N6HC	F4BKV	JA1QJI	WT2P	226
W0PR	K1ACL	K3TC	WZ9W	AF5WN
259	NN4RR	W4EJ	234	GD0TEP
AK0MR	VE6NTT	YV1DIG	KE6FCT	JM1SZY
KD4ADC	VE6SH	242	233	N7CNH
KG6I	251	K3WW	K1AFC	N8UR
KN5O	AD5JK	KA3TCC	N3AIU (DM45)	NM5S
N1RR	HC1BI	WA8MCD	N9NJS	W0VX
NS7K	K1NJ	241	VE7VZ	WQ6Q
NY1E	K3NK	N6NU	W3DF	XE1YY
VE6BMX	KG7NV	W5LO	W8PAT	225
	NN4SS		W9TD	AC9O
			XE1L	K9QJ
				KX9X (EN50)

N2WSY N4SV VE3MSC W8AKS WN6W	216 K7RB N0IS NE1F W5RWF	208 AI2N CO8DM KD5HIO PV8ABC	WA1MKE WA9ASZ	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN
224 JA8ISU K9MQ WA4YA	215 AL7OC K2SX KI5FJ N2YU N6KW NA5C	207 K3HPA N1BCL N8NJA	200 4A2MAX K4YJ N5AO N9AG VA3VU W1AW	
223 K7UA NI3K NJ7A	214 KB9PJL PV8AZ VE3SYK WA7AJ	206 AB0CT AK4Y CT3MD K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	199 K4GHS N3KFV NJ8J W4OEP WB0YEA	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD
222 K0YY K2TV K3AJ KA1LMR KD4K W8GJ WA2BOT	213 K3DFL KI6X W0NBC W8RD	205 AF4OD K8SD KE4HOA N5ITO N9ATF W8QID	198 AC8TO N0UK N7EPD NX0I WA7KYM	190 K2WJ K5DB K5ER KC2DLD N5SMQ N9UA W1ATV W2OO WB0DBS
221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI	212 AB5C JF8QNF KF7NN N2OA N5PA	204 IT9IPQ	197 K3EGE N4BAF W3TW W5CTV	189 KC0MEA W3SZ WA5VKS
220 K7BTW N7XCZ	211 K9FOH NE8S VE3SMA W2ZDP W5HNK W6AER	203 K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM W9GFB W9VOB	196 JR2HCB K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M
219 K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)	210 JR3REX K3MSB K9YC KL7NO N1SV N1TQ N6UK WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK	187 K3EA KD3HN KQ0J
218 K1XH K4IJQ K8YC KB8KVJ		201 AA7WB KC5FP KO9V KR0I NN0K	194 K2MRK N3FA N9NFT WF1H WK8A	186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE
217 KB1HY ND4V W4DEE	209 AA4IB W5WGF WA4NFO XE2N		193 K7PT K9AB	

185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT	N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	K5YPV KE4SCY	NC4RY VA3WEB WB4KXS	157 K4FX KB8GC KC2WUF WA7NB
184 AF5Q K0DEW KR4M N1IBM N4BG	178 KA2AYR KB0EO KB1RZA KG5RJ KK8MM N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT N1JFU W0RIC	156 K2KJ N3RN N9KO VE7VDX
183 K5RQ N0FJP N0UBL W2UDT	177 AG4ZE K2QQ KI4BWW SM7FJE W5ZG WA8UEG	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G	155 AE4M K3TD K6XN N7AU N9OBE NY4I TG9ANF VA3NQ WV8DX
182 4O3A AJ6T DF3CB FP/KV1J K5GMX K8WK KK0DX W2CCC XE1CL	176 AD5ZA EA5BY K0DI KX9X N5QGH NP4BM W5AFD WA5IPS WW2R	170 K9TVG N4GBK N8CN NA2U W4IHI W4JKC WK3V	163 K2JF K2YSY N5XZ	154 AE4NT KB9VMW W3ZQN
181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF NY0A W4RBO W9BS WJ1B	175 K1DT PV8BR	169 K6XC KD5OMJ N2BEG N5XES N7PHY VE3HHT W8KNO	162 AF4GK K0QB KA1R KD4TDI W9JJB W9VS WA1Z	153 AA4NC AB4GG K7AD K7LOL K7ZD KW0A N1OFZ N2ADV N6DHZ W3DQS W5FI W9ILY WB5ZAM
180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH WA5RR	174 K3MD K6WRL KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI	168 KG5ZMQ W8WEJ	161 K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG	152 AA6I N1NUM N2WM NU1T UT7QF W6IA WO4G
179 K1EP KU4WD	173 K2ZZ	167 K4MQG KB1YNT KE5EP LU4FW N0NHW NO0T W1BAT	160 K5IQ WA3DRC	151 K00Z W1ZT W2DXE
		166 JA1OVD KC2GHT N5VU	159 K4MZ NS7B W1EME W4TTO WB8NUT	
			158 K8CR KI0D N2CG	

150 N9LAH VE3OAT W7APM	K8WU N9DI W5MPC WO7GI	KU0G N2ZA N3FX NA2AA W2PD W4OV WB2JIL WY0V	GM4UYE HK3W KE5FXE N3AIU (DN70) N8GOU W4TKI WA3WZR	KC8KSK KF4NEF KM5LY KM5SC N9WBR NZ6N
149 AB6CF K4SAN KK9H WB4VHF	143 K0KVR K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	138 AC0XY AI6O JA6RJK KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	133 KA5ETS KC1RET KE1VT KM8V N7T W0RT W4GE WW7Q XE2O	128 KC7QAG KJ6SDF KN4DMN W0WT W5ZO W8FR WB2WEO WQ7F
148 AC0DQ AG0A G0OIL K0RU K7IU KB2YSI N0TM N5ZBI W6VNU (CM88) WB6RAB	142 N5RMS NA2X NC4VA W5SWV WA5TKU WS4V	137 N1SZ N5JGK SM7AED	132 AB3CV IC8TEM K5VG KW4G N4PPH NE1I VE3TM WN6K	127 AA9RK JA3LZS JR2LJO K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH NO8D VE2JWH W1FLD WA6BIL
147 AF6AV IZ1LBG K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	141 K4AR K9ATX KT8TD N9FIV W4FS W4POT W6ZI WB9WHQ WR7AY	136 I0WTD K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R OE6IMD W2JCN W4AVV W7UV XE2JS	131 K3NAT KG9R N2CJ PV8AJ	
146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX W4HFZ	140 AC5DK CO2WF CT1BWU JA1AFR K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VE3KY W4TUN W6DQ WA4KXY	135 CU3EQ K4MWB K8ZIZ LY3W N4DB N8XE W6BXQ WB8BZK WW2DX XE1H	130 AB0X AK8CW K0GUR K4JKB KC4NX KE8RJU NG9R VE1DX VE2TZT W0PHX W2LES W3FEY WA2SEI WB4YDL WW5W	126 KJ7G N0BDS N7DGI WB4HUC YL2AO
145 KD7YZ V31MD VA3TTX WA4JA				125 AA7DK K3PU KC5DRI KD2NF NT7C W2AJM W3UQH W4DFU WA6POZ WB4OMM WE1P
144 K0TLG K5TDW K6JRA K8MN	139 IZ8FFA KC7JPC	134 AB1NS AB4GE BA4SI C6ABB	129 8P6ET JF4VZT K0KD K5QWO	124 K0DLW K8VA KB0HH (EM06)

KD5FTD	KD4MZM	116	KA7T	HB9BZA
KM1C	KD5BRF	IK7EOT	N5HMH	JA9IPF
KT5MR	KE4SCY (FM06)	JR1BAS	W1TR	K5OPB
N0SL	N3YPJ	K4RGN	W5DM	N3MWQ
N9AZZ	VE1JC	KI6QDH	W5DQ	N5DD
PV8AAS	VE3XK	KU5B	W6OAT	VE3SUB
W0PE	W4LVH	N0VR	W7IV	VE7IG
W1TAM	WA6RAY	NO0B	W9PN	VY2RU
W7YM	WB0WAO	W0DHB	WA8TWM	W4AMP
W9CDL	WD4OHD		WX3P	W4CRN
			XE1GK	W5AAJ
123	119	115		W8EH
AC7AF	AE5AU	K9MMS	111	W9VNE
K9SM	K0AWU	KE6TVM	N0SLT	XE1R
KB0GT	K1ZN	KF0QS	N8IK	
KB0STN	K2SQS	KF9AF	PC3T	107
KG6DHQ	K4MSG	KM5FA	W8GBH	JA3EGE
VE3TG	K7JIZ	N7VGO	WZ8P	K5UIC
W1HS	KF7PCL	VK9DX		KF7PG
W3SE	KP3V	WA3BZT	110	KI9A
W4PRZ	KT0P	WC7V	K5KR	KK4LUM
W5EWF	KW7N		K7LD	N3TTT
W7MHW	N4UPX	114	KD5J	N9OI
W8BI	W0QC	AC8HU	KI0F	NF0T
W8KHP	W4SW	K2RET	KP4JRS	US0KW
WA8WV	W7QQ	K3RTU	KQ4LA	W2ODH
WB2RVX	WI4T	K9AAN	KX5U	W2TTT
	WM9M	KC4GCK	N5TIF	WB4PPW
		KG9Z	N5YM	
122	118	NF8M	W7JET	106
K7AED	J68AS	VE1WOW	W7UP	EA4DEI
K7OGW	K4AZV	VE3IRR		K0MEI
KA9JAC	KA4LBD	W2JLK	109	K5BJW
KB4UF	KF6MXK	W2ZQ	AK6ZZ	K7BWH
KB5WFE	KI7BP	W4ALF	G4BWP	K7JE
KC5UGX	KT8X	W4UFO	IW1ARB	KB0TIJ
N5HYV	KW4BY	WO2C	K2DSW	KC7ICM
VE6PY	N1QDQ	WX4US	K2JGL	KE5JXC
VE7JAC	N3JNX		K2OO	KJ6MBW
WD0GTY	N5EIL	113	K5DNL	KK2DOG
	NZ1I	AB4PM	K9GY	N0RQ
121	TF3JB	AD5MD	KE6GLA	N1USB
AE1P	W2AC / WB2ABK	K3DQB	KJ6CA	N2IPH
K0MFI	W2AC/WB2ABK	KD4BPZ	KZ7N	N4CE
K4HBI	WB2KSK	KD6VCD	N8TMW	N5FPW
KB2WAL		KM5OL	N9TTX	N5YHF
KB5MH	117	N3JDQ	VE3AAQ	N8HM
KE4JFS	AB5J	N4YCI	W0YJT	N9XMU
NE0P/9	K4WS	N5YK	W1OP	VA3OKG
UR0MC	N4USG	W0BM	W4ZRZ	VE3AJY
W8DN	N5JEH*	W8MSP	W5MPC/1	WB6VYH
WB9TFH	N5LPT	W8VW	W7RJR	WQ9F
	NA7L	WD0ENC	WB6YIY	
120	NU6V		WB9W	105
EA1YO	W6WE	112		AC4Q
K2CYE	WA1TBV	K2MLS	108	K4SJA
K4CGY	XE2PXN	K3GD	CF3VRQ	K9MAL
KD0R		K5WTA		

KB3JGS	KF0AIJ	N8VEA	KC2IEB	WA3TLT
KC0JYT	KF4DVG	N9DVS	KC6X	WB1GQR
KC4KK	KR4NO	ON9CMR/WO	KD4MWO	WB2YDS
KF4DGS	N0YXE	VA2LGQ	KD6RUH	WD0E
KJ7TH	N1JIF	W4LLP	KR4UA	WH6LR
N4NQY	VE7DXG	W5KBD	M5MYH	WT5H
N5SAN	W0TF	W7ISG	N4FV	WV5Y
N7YY	W3LEO	WB8IMY	N5OHL	
NE9O	W6IT	WD5IYT	N7HRT	97
PU4JOE	W6XU		N7JPF	AB8M
VE3VRQ		100	N7TE	AJ9C
W8MIL	102	AC0FT	N8GHZ	K0HB
W9RVG	AA9MY	AI2S	N8YV	K0JQZ
WA4MYO	AB8JH	AI9U	N9MKC	K0QEI
	AD6KH	K2UA	NB5R	K0SH
104	K0HAQ	K4UQC	NH6CJ	K0YQ
AB9YC	K3HW	K5GM	NI5W	K3HZO (FN20)
AC5K	K5VR	K5KV	NS2P	K4GTR
AC5RN	K9AM	K8IJ	VE2HAY	K4JQU
AC9QR	K9OHI	K9CC	W2HOG	K8XF
IK4DRY	KA3ZLS	KB9ZLB	W2VU	KA2BSK
K5PPP	KB8CR	KC2HLI	W5JLC	KA7EII
KB9RNO	KC6WFS	KC8CC	W6TJU	KC0YBM
KC2TR	KC8DMN	KC9CMT	WA1LAD	KD5CKP
KD9GKL	KD8NYO	KD3SW	WA5TRX	KF4KSN
KJ7OG	KE1AU	KE5CVM	WB5NHX	KM4NYI
KM6WXB	KJ4M	KF0Q	WB7VVD	KT5WB
KO4LZ	KR5V	KG5X	WK5X	N1SFE
N0STP	N1HOQ	KJ5OA	WW2R (EL09)	N1VMJ
N1LDY	VE7ZD	N3TBB		N3UMA
N2FBQ	W4RVZ	N4NIA	98	N4BH
N3UPS	W5DPT	N5RZK	AC2RL	N5OTY
N7AGF	W5OV	N5XTR	AD8Y	N6MA
NJ1H	W7UT	N7EME	K0KC	N9APK
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
W9EBK	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

K2UNK	N5KI	N7UN	W3ZGD	KB3IAI
K4EQH	N9IV	N8WWM	W4GPM	KB3NDS
K5CRJ	N9LJX	N9DD	W5DMT	KB7AZ
K8EMR	VA3KS	N9UNX	W7EIR	KC5POV
K9OT	VA3PZ	VA3MA	W7TRX	KC8LGL
KA2NDX	VE3KZ	VE3RX	W9IFW	KG4QWC
KA3HED	VE3SPW	VE5MX	W9NED	KI3O
KB5GI	W3UA	VE7AB	W9WI	KI5BLU
KB8PNS	W4YZJ	W2GR	WA5ICA	KM7N
KC0HBP	W5ADA	W3IPA	WB5CON	KM9I
KD6PY	W5CBF	W3TA		KQ6K
KI5TE	W5RCQ	W4LNG	92	N3PPH
KM2O	W7JWC	W5ODD	K1EY	N3WCM
KM5NU	W9SX	W5PUF	K5GDX	N7CZ
KS4V	WA2ONK	WA7LHZ	K5TDA	N8DEZ
KT5RR	WA3I	WA9BXB	K7FU	NR4J
N0WVU	WA4WR	WT9U	K7HKR	NU4N
N2LID	WB2SIH	WV7S	K7UWR	OE9KFV
N2VHZ	WD8DOT		KB0PQP	VA2BBW
N2XK	WS4S	93	KC4JNW	W2SUB
N8PAQ	XE2AT	AG2A	KD4QMY	W4MLN
N8YBY		AG6CV	KE4WBO	W5KDA
NT2A	94	AI8F	KG4URP	WB0NRV
NW5Q	AA4RP	K0IW	KR7X	WB7X
NY2Z	AB4VT	K1PTF	N0RC	WC4V
VE2DCP	AD1DX	K1ZK	N2SG	XE1GZU
W1HMM	HK4SAN	K2AK	N3GH	
W4KK	IK8YTA	K2MTS	N4VN	90
W4TMR	K0ARM	K4DAM	N5QO	AA0LM
W7JHS	K3BEE	K5TRI	N6FD	AB4WL
W8DM	K3TUF	K6RM	N6RPM	AB9DU
WA3EEC	K4JRK	K7IP	N7DED	AF5BG
WB0M	K4LDC	K7TRK	NS6E	DL1SMA
WB5KJE	K4NNX	KB0USF	UT5JAJ	JH4JNG
WP4LNY	K8GT	KC5TGT	W1PV	K1HC
	K9DOG	KC5TT	W2ACY	K1KA
95	K9SUL	KC9TTR	W2CVW	K3CWF
AE0G	KA2F	KC9UL	W3ACO	K3UAL
AE5EO	KA9UVY	KD0QG	W3HZU	K4AAP
K1PNQ	KB7AK	KE6AZX	W4BP	K4FTP
K4ED	KC0AUY	KE6UMW	W4LIA	K4XZ
K8KFJ	KC3AK	KE8RPJ	W6NS	K8EAB
K8ME	KD4VRZ	KI0J	W8JV	KA5TJI
K8VD	KE3WM	N2BX	WA3JKB	KB5FHK
KD7WH	KF0LA	N2YTF	WA4EEZ	KB7BSA
KD8DR	KG4NLZ	N3AO	WM3O	KK4DZP
KD9ZR	KU4JZ	N3ZBK		KW3DX
KF6XA	N0LNE	N4GOA	91	N2ULL
KI0SK	N0LP	N4YHC	AA0CW	N4BRF
KW9U	N2SU	N7EGY	AD3Y	N5BA
N1XK	N3JBH	N7JI	CO2WZ	N9JJ
N2SLO	N3XBG	N7KSI	K1UR	N9MSG
N2WLS	N3YUG	NA9D	K4SPA	VA3XOV
N3WAV	N5ZMP	VA7QI	K6YK	W9CPV
N4ET	N6HY	VE3WMD	K7HPN	W9CSY
N5BLY	N6MXU	W0MHK	K8OI	W9HBH
N5ENU	N7NH	W2VTV	KB2YWU	WA2BEV

WA8OJR	KB2KIR	KB7JJG	K8SIA	VE3CFK
WD9HCF	KC1GWX	KI6HQT	KB3HHA	W2GW
WE7H	KC3MLC	KN4MMH	KB9LIE	W2SKI
WEST SEATTLE AM	KE7RTB	KP4TB	KK7BV	WN0L
WH6LE	KE8UM	KT1R	KU4WW	
WT4C	KI2D	N2NF	TG9AKH	78
XE3/K5ENS	KI4RFM	N3MVF	W7USB	K2QPN
	KJ4KW	N8TFD	WD6T	TG9AWS
89	N1CEO	NZ3O	WD9IOK	W4NE
AB1TZ	N2MKT	VA3MDB	WI6Z	
AG2AA	N2ZN	VA7LM	XE1MM	77
AG7NR	N4CAG	W8IW		K1IFJ
G4NBS	N4GN	WA1PMA	82	M10AYR
JQ1TIV	N4KIN	WA4USA	AD4IE	
K4BMM	N4UC	WB4GCS	CB0ZA	76
K5CX	N5VBK	XE2AU	K4JMX	K0WYN
K5JAZ	NS3X		KA5WSS	KI4CYB
KA0MWA	NT4TN	85	KC5YKX	KI7WXP
KF4TVL	VE2VLJ	EI3IO	KG4KVZ	N1GNB
KI0G	W2BZR	K1UU	N1SF	N2MH/4
KI4FW	W3YX	K4LRP	PU8TEP	
KI4US	W4DL	KB3MXK	W5DAS	75
KR4U	W4R XR	KC0V	W7YOZ	G4RGK
N2GZ	W7HDD	KE4DRF	W8GG	K3PP
N5KAE	WA2BTR	KK4AND	WA2ONG	K8QM
N8YSZ	WA5MD	N2RJ	ZS6NK	N5GH
N9RG	WK3N	N4LS		NP3YL
N9UDX	WV8O	VE3GFN	81	W5UC
NE2U	XE1SOV	VE7DAY	AB4I	WP4NEG
VE3VCF		W1WV	KE4DZU	ZL3AAU
W0HRO	87	W3STU	N6MM	
W1HY	AC0A	W4IT	N7NEV	74
W2JEK	AG4I	W4RA	NI4Y	AK8B
W2OK	K4JC	W6ST	W3MC	CX4AAJ
W4ZMM	K5UZ	W7SIR	WA4ZXV	KF2TI
W6VNQ	K5WO	W8DQ	WA8ZNC	LU4FPZ
W9HT	K6UIP	W9QY	XE1EE	TI2CDA
WA7SDI	KB1VUN	WA4WKL		VE6SO
WB3IAL	KC8NAH	WD4LSS	80	VK4CZ
WM6Y	KE6WOX	WF4R	AC6BW	WC6DX
WQ5C	KI6RRD		K7FR	
WR5AY	N0ELA	84	KE4PT	73
XE2NL	N2CJN	CT3FT	KR4Q	G4FKA
XE3DX	NA5DX	K4EZY	KW1DX	JF1IRW
	NE5S	KE6NDG	N2NS	SV1RK
88	NI5F	N1KI	UW5ZM	VP2MJD
AA4QE	NN7RM	N2NWS	VY2HF	W4WT
AE0DX	W8GOC	VE2WBK	W5TTY	
AE4OF	WB3IGR	W8PU	W6TCP	72
AF4MI	WB8JAY	W8SGR	W7AM	AB1QB
K1RS	WF4W			N4II
K3TN	XE1RBV	83	79	PV8ADI
K4XD		AA6E	K4RW	
K7CTV	86	DL5XJ	KP4N	71
K7WV	AG1T	K1LH	N2COP	HB9EFK
K7ZYV	K7FB	K4SQC	N5YJZ	K0GW
K9JF	KA9OKH	K6JJ	N9RC	K4GK

K5WPN	60	JE1VTZ	LA2QM	22
NP4TT	IZ4DPV		UR5WA	9H1SP
W2YR	KP4JFR	46		IZ3ENH
W3FGP	S55DX	LU2DX	33	
WC5M	UR9QQ		W8GC	21
70	58	45	WB4SON	EA1YN
GI4SJQ	HB9BIN	JA6WJL	WB8TGY (EN72)	
K4BNC	KC6NBI	K4TXJ		20
KC0ZR X	SV8CS		32	CX1FK
W2LV	WA2MUA		N3LRH	DM2RM
W2QO		44	SM6WET	HL4CJG
W4GP	57	WO3T		I1FQH
	HL2EIZ	XE2YWH/1	30	N1WC
69	IK1ZOF		E72X	PY5EW
K3WGR	N5LJL	43	JL3LSF	W8LR
WD4LBR	WD5GRW	8P6SH	JO7WXN	YL3HA
		CT1EEN	WA6DNR	
68	56	HB9RUZ		19
AA4S	KI5WA	K4ZIN	29	EA6BB
EH7CD	LU8ADX	SV2AEL	HL2WA	JI4WAO
K6CF	NI6T		OE4VIE	JR3UIC
KJ7TEA		41	SP5APW	PY2HN
KW4OV	55	K0BBC/R		SP8NR
	JL3MCM	N6PAZ	28	VE6TA (DO31)
67	LA3MHA		CT8/K0RUI	
W7YED	US5WE	40	JA6CRP	18
	WA2EMF	E75AA	K0FMI	AJ6V
66		JF1LMB	OH3DP	KJ4EU
K6KLY	54	JR0QFA		OE3SGU
KK4YEL	AG4KI	WB8TGY	27	W0HBH
			KC9ELU	
65	53	39	WP4NIX	17
JA1XEC	K0BBC	AA5PK		G3LZQ
K5EJ	PP1CZ	YL2JZ	26	PY2XAT
N7UJJ		38	WB7QXU	W0JM
OK1MP	51	DD3KF		
W4CCS	CT1ETE	DU1EV	25	16
	N8OFS	K8YSE	EA4/K1WE	N6VHF
64	VE9FCP	VK5PJ		
JG2TSL	50	37	24	15
WD5GRW (EM13Q)	N6DW	BA7NQ	EI2JD	9K2BM
		JA9APS	F1RAF	EI2GLB
63	48	36	F4BDG	HB9HIT
EA1DR	G8BQX	JA1WSK	KS4YX	HL4GAV
KB0RFY	JA9KRO	JH9DRL	LA6OP	LU5FF
	K5XI	OH4UI	ON6AB	PY2RN
62	KI5KC		PA7TWO	SV8CKM
IZ8EDJ	N6DBF	35		UT3UA
K4DXA	N8MR	GI4OWA	23	UX0DL
N6ZDH	NP3IR	HA5PT	GM4ILS	WC2C
SP5QWB	YY4DNN	LU9DO	HB9G	
			JL1UXH	14
61	47	34	K4SLC	HB9FMN
CU3AN	HB9RYZ	G4SEU	KP4EIT	JA2XCR
N0GVK	HL2IFR	HB9ALO	W8MK	KB8DVT
UX1UA				PA7RA
				PV8RR

PY2OC	7	DF1ZN	YL2KF
W9TTY	G8APB	DJ5AV	
13	HB9GWJ	DL2KQ	1
K4WY	IZ0INX	EA1AR	3A2MW
PY2MC	JA2NDQ	EA4D	9A2EY
W4PWF	J12UDK	G3LHJ	BD4UJ
12	JJ2NWI	GM4CFS	CT1AHU
EA3GP	LA3DV	HA9PP	DH8BQA
F4ESV	N5ORT	HL2ZN	DJ3ZF
HB9DDZ	NJ4Y	IK0WRB	DL2DCX
IK2RPE	ZS4TX	IK3ITB	DL4ZAB
JE2UFF	6	IK8EPC	EA3WD
JK1UNZ	CT2FEY	IW3GJF	EA4GQS
JN1RQV	DH0GSU	JH7IMX	G4VSS
N1IW	DL1TRK	JM1GHT	G6MXL
ZS6WB	DU0A	JN1BPM	G7SQS
11	EA8MT	JR6IQI	G8TTI
A65BR	EI2JC	PY5IP	IK5BSC
DL1TS	JA7NGE	SA7CJO	IW0AFS
DL2OE	PY2VA	SV1VN	IZ0BTV
EA4DAU	5	W1CBY	IZ2CSX
EA4ZK	DL5LH	WD9EWK (DM43)	IZ3DBA
G4CTY	EA1AAA	YB1TJ	IZ5FSA
IZ4GWE	EA7ZY	YL2CA	JA1GZK
JA2KVB	IK8GYS	YL2MU	JA7DPC
PY2DV	JE1LFX	2	JA7VXB
PY2GM	J15USJ	5B4ALJ	JH8XVT
SP5XMU	JJ1IDW	6K5XZE	J11HNC
10	KB8VAO EN91KT	7J1ADJ	JJ1PFC
DL4CF	M1VPN	9A2GA	JL2ULM
HB9BOS	MU0GSY	9K2NO	JN3ONX
PA5KT	OK1IN	BV6CC	KC3KJQ
SV2DCD	ON5UE	CO6CBF	KG4JSZ
TF3Y	PP2RON	DF8FT	KH6WI
UR7DWW	SK6QA	DK1CO	KP4DER
9	VE2NGH	EH4BPJ	MM0INH
DL7BA	VR2XMT	ES8JX	OK1UU
EB1EWE	W1ZR	F5TMJ	ON6NA
EC7ZK	W2ZF	G0THY	OZ1IKY
G6BFP	YL2CZ	G4DDL	PU5SVE
JA1MZL	4	G8GNI	SM3GBA
JA2FGL	CT7/RC2A	G14ONL	SM6LPG
KB4YKC	EK/RX3DPK	IK1IYU	SQ5NRY
KD3UY	F1DFR	IK2GOQ	UN8G
8	IV3GOW	IZ8XQC	UR5EDX
DK2LO	JG1JPE	JA6AVT	VR2VGM
JA1CPU	JH7IPR	JA6SZV	WB7VUF
JE3PCP	JK6DXD	JA9FAI	YO8WW
N8RO	S51NM	JP1HDK	
OH8LXT	UT5EL	K7LY	
	XE1SAX	KEN IN NEBRASKA	
	3	LA2CQ	
		OH3KAV	
		SV1XV	
		SV3FUO	
		YB2DX	