

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 (14 May 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	W3CP	W3IP	W9RN	WX7M	450
AA0MZ	W4UDH				AJ4F
AA5AM	W5ADD	484	476	465	N9BX
AA5C	W5AFY	K0SIX	KC7QY	WE9R	
AA7A	W5AJ	K0TPP	KC7V		449
AI5I	W5FF	N7KA		464	KF6HI
K0GU	W5KI	W5VY	475	KB9OWD	W8TN
K1TOL	W5OZI	W5ZN	N5KO		
K4PI	W7GJ			463	448
K4XO	W7JW	483	474	VE3EK	W5XC
K5RK	W7KNT	AC0RA	N4WW		
K5UR	W7MEM	K1USA	W6XK	462	447
K5WE	W9FF	W0VTT		K6ZH	K4HB
K7CW	W9JN	W5TRL	473	N6ORB	KS7S
K7ULS	W9RM	XE2CQ	NQ7R	W5EME	N4SC
K8SIX	W9XX		WB0O		
K9CT	WD5K	482		461	446
KA9CFD	WQ5S	AD6D	472	NA9RB	K6EID
KA9FOX	WS9V	K7BG	AI1K		N4QS
KD5M		KM0T	KB7ME	459	NV4B
KG5CCI	487	KX4R	N7ZO	K4MY	
KM0A	K7MAC		WD8JJA		445
KO9A	K7TM	481		458	K7PI
KR7O	K9YY	W9VHF	471	KG5THG	KB8VAO
KV5W	N0AKC		AF5CC	N9BCA	KU7Z
N0LL	N7CW	480			N5NA
N0LWF	N7IR	K5GZR	470	456	N8OC
N0PB	N7NW	WB0ULX	WO7R	N4JQQ	NY0V
N0TB	N9ISN	XE2OR			
N1AV	NA6L		469	455	444
N3SL		479	N4TB	K4SO	N7BAV
N3XX	486	N5WS			N9PGG
N5DG	K1TO	W5WVO	467	453	NI0G
N5OMG	KY7M	WA7HQD	AD1C	K4YMQ	W4DR
N6JV	N0KE		N5EKO	W3UR	
N9LB	WD5COV	478			443
N9UM		AE5B	466	452	AB4IQ
ND0B	485		KA0JGH	N5BO	K4XP
W0FY	K5ND	477	KB6NAN		N4MM
W0JW	K9MU	K0BJ	ND4X	451	NE1B
W0LGQ	N0POH	NC6K	WB9CIF	XE2K	

442 KP4AJ	N5SYV N5TJ	415 K5OMC K7AWB KO4MA W0GJ WB5JID	NJ6D 400 W0JRP W0RH W3UUM	386 N7IJ NN4R W5TFW W7AH WE4S	KV7K N6GP N7DB 373 K4SSO
441 K8TB KD3CQ	429 N4QWZ WA5JCI	414 AH0U K0DEQ K7KQA	398 K7SMA N8IEZ W1NG W5JAY	385 KF0M NK1K VE6MB W4WTA	372 W5MO 371 JA7QVI N3OC WA6BYA
440 AG9S KB9DAK W2IRT W3LPL W5THT	428 K9APW N2NL 427 N4LR NM5U	413 WA9LFO	397 K5RT	384 AB4SF K1GG K8ROK	370 K5TN KN4SM KS4YT N3MK NT0V
439 WA9DU WB7CJO WB8ZBT	426 K4ZOT K8ZR N5OK XE2X	411 K9MK N9EAT	396 KB8U	382 K5PI K6VHF VE3YXO	369 KF8UN N2DPF
438 K1HTV N2QT	425 K6ML	410 KE7SW KE8KMX KI8G N4HN	395 AA5XE K0AZ K5WBM KF7CQ	381 W3VZ	368 KB0V W5RCI W6GMT
436 K3SX N9FN W3TC WB8ART	424 N4UFP N9AKR W3EP	408 W7BA	393 K7XC W4TV	380 K7MCX NE6I WA5LFD	367 AA4ZZ KC4HW KI0E KR4BD NT9E W7Yaq
435 K9KLD KF6A	423 AJ4A NA6MG	407 W4AS W5CIA	392 AF4HX N4UFO W6OMF	379 KZ2I N8WNA W6TMD	366 KI7JA
434 K1SIX N4TL	422 VE6WQ	406 AK3E K6FG VE2XK 6M FN07R	391 N1EVK W4AVY	378 AG4W WR7X	365 K4JJW KG7CW WB4EVH
433 W3LL W9WO	421 K8ROX WB8BPU	405 AA4SC K5CKS	389 NE9U	376 AA5JF K8GI K8VfV N2WK W7FI	364 AB5EB N6QQ
432 K6GXO N6KK	420 KK4MA VE3LYC	404 N2ZX VE4EAR	388 AE5FM K0IP K8JH W4WRL W5PR	375 K6QG WB4OQX	363 W4NH
431 K0TLM K8ZM WA1Eaz	419 K7NN W0GN W5AL	403 NH6T/W4	387 AA1ON K2TER KV4T N4CH		
430 K1TEO KF8MY	416 K4RWP K7ND	402 K3FM			
		401 K4CKS			

362 WA5OLT	349 KA0BAD	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S	WX4G	319 N7US W4ER	W9KVR WO4DX
361 K7XB K8BL K9NR N7MB N8KOL NG4C	347 KT8O		328 K6ME N5PT W2CNS WB3LHD		309 AA4LR VE3XN
360 AA4FF K6UM (CN85)	346 W8LMG	335 K5FUV K5FZ K9QVB KB4MRX W9GKA	327 K6EME KJ5RC N0YO W2JU	318 N3ALN W4HY	307 KE5K NA5Z W3ATV W9RPM
359 NI0P	345 W3XY XE2YWH		326 K2ZD K6LMN K6TDI KD5XB NG7M VE1JBC W7JLC W8OP WF7T	317 KA8SYV N3PS W1SKU WA7PDC WO2T	306 K4QE K6RO N0LD WV9L XE1AO
358 K5RLA	344 AC9DX K6FW KB0PE KG8P N9XG W1OW	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI		316 K3FN KA0ABA N1KDO W4UCK W9BWR	305 K6UM (CM88) KF2T KT1J WA9M
357 K4LVV	343 AB4EJ K5EK N3RC	333 KM4HI KN4NN N0IGZ N6KZ W3GQ	325 WA2AEY WB4KTF	315 K5VH NY2NY	304 K6IPF W4FC WA0GUD
356 NY1V	341 KB1EFS KD7DCR NX7U WA7YAZ	332 AA7UN N4JDB N7KDT VA3IKE W9GM	324 K9SH KU4A N2BJ N8HRZ VE3TMG	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN
355 AB9BH	340 KE4TH N0AN	331 K8WDA KC0UDO N4MW VE7BV	323 N8II W4MAY W8KEN	313 K0TC N2ZZ N6NR NF4A W4GLV W5RKN WA1NLG	302 KB2TGU N3KN W3TI
353 AF2K K0CS K8EB	339 KE4BKL VA7FC W5VAS	330 KB8MBC KG6AY	322 VA6SZ	312 AF6O KA2GOJ	301 AK0MR N0HJZ W7IB W9OBG WB0TVY
352 NZ3M VE3DS W0KKK W1DYJ W1JR WA9PWP XE2ML	338 VE3SXE WA5KBH		321 NC7B NS4C W9VA	311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0PHP K0SRL
351 AA4FL K5DTC	337 K0DD K8ZES NK0S NU6S W9EWZ WA5RT WW0E	329 AA1QD N2JJ W2OR W8WG W9DCT W9XA	320 K0VG N4DW	310 AA8SW N1NK NJ7G	
350 N6VI N8YO					

KB6VFC N1RR WA2BAH WX0Z WX2S	W1WHL	NL7CO W2YE	272 K0PG	264 AC8L K4JAF N0TK NF1O	K5XI KD4MYE N5DTT PY2XB WA2HFI/O
299 VE6WK W1LE W5SUM W8UV WB5GVY	290 JE1BMJ W3HDH WA8EFK	280 K2UU N0KV NM5Z	271 K7NII KB7FUV KM3V N9JR W3HHN	263 AK4PR K3VAT K4XR K9AAA W7CT WB7QBS	256 K3WA N8ZJN
298 AG1A KD4WSC N4IQ	289 K4MM K9FA N5BCA NQ7G W4LTJ	279 AA8MA KF9UG N3JPU W0VHF (EL87) W8GJ WA4NVM XE1FAS	270 K4SPD KC9FQD KV7N N2LIV W4QK W5DNT W7JY WZ9B	262 K3CWH KD8JSP N4ST ND4DX WA0KBZ	255 JM1IGJ K8MVZ KG4JPL N8LRG W0NOZ WA8KNE
297 DK8NE N8YQX N9LF	288 HC2FG K1NU N6AR W1DU W4HLR	278 AA9D AJ4W K3JT N0LNO N8BJQ NN1N	269 K1GJQ K2IE K3ZO KD5R N5EPA N5WD VA2CY	261 AF2F K3TWK KB8UUZ N3EW	254 KF8QL N7QOZ VE3OTL WD5ITW
296 K6YUI KC7RW	287 K8DP N8CGY WA8ZID	277 AC7JM JR1LZK NS4T PV8DX	268 K6OJ N9ZTS W0KAN	260 K6JAD N6HC W0PR XE1YD	253 KG4ERR N2XQM W3SW W9TA
295 JG1TSG KE4P N7NT W2HRO	285 K5CZD K9UO WA4HFN	276 K2CS K5TWJ K7TAB	267 KG6EG KX9N N2AMC N7UVH N8EHW W4FSO W5WP W9DRB	259 KD4ADC KG6I KN5O NS7K NY1E VE6BMX WA4YA	252 AB5A CT1EEB F4BKV K1ACL K3NK NN4RR VE6NTT VE6SH
294 K6JSV	284 AB0RX K0KP K4DET KX7L NJ2F (EL96) RETIRED	275 K1MAA K2NJ N4GG W0FK W8PI			251 AD5JK HC1BI K1NJ KG7NV NN4SS
293 K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	283 WA0FQK WB0CQO	274 KB1DMX	266 K1OA K1WVX TG9AJR WB8EJN	258 K1BD K2HAT NA2NY WB7ECS	250 AA9LC NW6R
292 KJ6P W1SSN	282 AA0ZP K5TA KE8Y N0GZ N8JCM W4WM	273 K2BLA KM4H KV1J WB0OQV	265 N5KS WA8MCD	257 K0CCM K2KA K5QE	249 CT1IUA
291 K1ST KS4S	281 K4OY				

K8AO	KI0HA	XE1L	WQ6Q	K8YC	N1SV
KQ5U	KK4ZUU			KB8KVJ	N1TQ
N1GC	KO6LU	232	225		N6UK
	VA3HP	AE4WG	AC9O	217	WQ9T
248	W1VT	Ai9L	K9QJ	ND4V	
K1ZZ	WA2VJL	K5FO	KX9X (EN50)	W4DEE	209
W6VFA		N9NJY	N2WSY		AA4IB
	239	W0PPA	N4SV	216	W5WGF
247	KF4LVF		VE3MSC	K7RB	WA4NFO
W1FKF	W6RW	231	W8AKS	N0IS	XE2N
W3TEF	W9YOY/M	K4MIJ	WN6W	NE1F	
	WA3SEE	K5VR		W5RWF	208
246	WB1FLD	K6HEW	224		AI2N
JA1UAV		KF6GYM	IT9IPQ	215	CO8DM
K0DAS	238	W9XT	JA8ISU	AL7OC	KD5HIO
KK8X	AA3GM		K9MQ	K2SX	PV8ABC
N5TIT	JP1LRT	230		KI5FJ	
VE6TA (DO33)	K3FRK	K1ZE	223	N2YU	207
W4FRA		KO4MM	K7UA	N6KW	K3HPA
WI7P	237	VA3XJ	NI3K	NA5C	N1BCL
	K3KO	WB0WAO/8	NJ7A		N8NJA
245				214	
N1IA	236	229	222	KB9PJL	206
N3XF	K0SU	K6RG	K0YY	PV8AZ	AB0CT
VA3CW	K4NK	KB9RUG	K2TV	VE3SYK	AK4Y
	KB1HY	KD5IKG	K3AJ	WA7AJ	CT3MD
244	KL0S	KE4UW	KA1LMR		K9YC (EN61)
AA9RR	MD0CCE	N4NX	KD4K	213	KB0LYL
K8DV	N3FTI	NN5DX	WA2BOT	K3DFL	NA5Q
N3AIU (FM08)	N9ATD			KI6X	W0BNE
N4JRY	W5AJX	228	221	W0NBC	W4EJG
VA3ZV	W9OO	K5RUS	K5WMH	W8RD	XE1J
VE3VHB		K7HSJ	K6CQR		
W0VD	235	KF2ZQ	N0PSJ	212	205
WD4IXD	ND0C	N8AIA	N4ION	AB5C	AF4OD
	NN9X	W5HEZ	N5UWY	JF8QNF	K8SD
243	VO1GO		W4IFI	KF7NN	KE4HOA
JA1QJI	WB6RJH	227	W5JMW	N2OA	N5ITO
K3TC	WT2P	K8ZT		N5PA	N9ATF
W4EJ	WZ9W	K9TF	220		W8QID
YV1DIG	XE1YY	KS9A	K7BTW	211	
		W4KXY	N7XCZ	K9FOH	203
242	234	W5LUA		NE8S	K0VSV
K3WW	KE6FCT	XE1GLL	219	VE3SMA	K5HYT
KA3TCC			K2RKJ	W2ZDP	K5LOW
	233	226	KE5RV	W5HNK	N0HF
241	K1AFC	AF5WN	W6DPD	W6AER	N8SYF
N6NU	N3AIU (DM45)	GD0TEP	W7ZSL		NR0Q
W5LO	N9NJS	JM1SZY	WB2WIH (FN20)	210	W1RM
	VE7VZ	N7CNH		JR3REX	W9GFB
240	W3DF	N8UR	218	K3MSB	W9VOB
AB5GU	W8PAT	NM5S	K1XH	K9YC	
KG5EIU	W9TD	W0VX	K4IJQ	KL7NO	

202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK	188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	W2CCC XE1CL	WA8UEG	170 K9TVG N4GBK N8CN NA2U W4IHI W4JKC WK3V
201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ	194 K2MRK N3FA N9NFT WF1H WK8A	187 K3EA KD3HN KQ0J	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF NY0A W4RBO W9BS WJ1B	176 AD5ZA EA5BY K0DI KX9X N5QGH NP4BM W5AFD WA5IPS WW2R	169 K6XC KD5OMJ N2BEG N5XES N7PHY VE3HHT W8KNO
200 4A2MAX K4YJ N5AO N9AG VA3VU W1AW	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH WA5RR	175 K1DT PV8BR	168 KG5ZMQ W8WEJ
199 K4GHS N3KfV NJ8J W4OEP WB0YEA	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT	179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	174 K3MD K6WRL KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1WB) NA6O W3SO WA2PNI	167 K4MQG KB1YNT KE5EP LU4FW N0NHW NO0T TG9ADQ W1BAT
198 AC8TO JR2HCB N0UK N7EPD NX0I WA7KYM	190 K2WJ K5DB K5ER KC2DLD N5SMQ N9UA W1ATV W2OO WB0DBS	184 AF5Q K0DEW KR4M N1IBM N4BG	178 KA2AYR KB0EO KB1RZA KG5RJ KK8MM N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	173 K2ZZ K5YPV KE4SCY	166 JA1OVD KC2GHT N5VU NC4RY VA3WEB WB4KXS
197 K3EGE N4BAF W3TW W5CTV	189 KC0MEA W3SZ WA5VKS	183 K5RQ N0FJP N0UBL W2UDT	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	165 K4DXT KD5HPT N1JFU W0RIC	
196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W		182 4O3A AJ6T DF3CB FP/KV1J K5GMX K8WK KK0DX	177 AG4ZE K2QQ KI4BWW SM7FJE W5ZG	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G	

163 K2JF K2YSY N5XZ	K3TD K6XN N7AU N9OBE NY4I TG9ANF VA3NQ WV8DX	WB4VHF	143 K0KVR K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	139 IZ8FFA KC7JPC KU0G N3FX NA2AA W2PD W4OV WB2JIL WY0V	134 AB1NS AB4GE BA4SI C6ABB GM4UYE HK3W KE5FXE N3AIU (DN70) N8GOU W4TKI WA3WZR
162 AF4GK K0QB KA1R KD4TDI N5SIX W9JJB W9VS WA1Z	154 AE4NT KB9VMW KD2NF W3ZQN	148 AC0DQ AG0A G0OIL K0RU K7IU KB2YSI N0TM N5ZBI W6VNI (CM88) WB6RAB	142 N2ZA N5RMS NA2X NC4VA W5SWV WA5TKU WS4V	138 AC0XY AI6O JA6RJK KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	133 KA5ETS KC1RET KE1VT KM8V N7T W0RT W4GE WW7Q XE2O
161 K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG	153 AA4NC AB4GG K7AD K7LOL K7ZD KW0A N1OFZ N2ADV N6DHZ W3DQS W5FI W9ILY WB5ZAM	147 AF6AV IZ1LBG K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	141 K4AR K9ATX KT8TD N9FIV W4FS W4POT W6ZI WB9WHQ WR7AY	137 N1SZ N5JGK SM7AED	132 AB3CV IC8TEM K5VG KW4G N4PPH N7TP NE1I VE3TM WN6K
160 K5IQ WA3DRC		146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX W4HFZ	140 AC5DK CO2WF CT1BWU JA1AFR K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U OE6IMD PV8AJ VE3KY W4TUN W6DQ WA4KXY	136 I0WTD K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS	131 K3NAT KG9R N2CJ
159 K4MZ NS7B W1EME W4TTO WB8NUT	152 AA6I N1NUM N2WM NU1T UT7QF W6IA WO4G	145 KD7YZ V31MD VA3TTX WA4JA			
158 K8CR KI0D N2CG		144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI		135 CU3EQ K4MWB K8ZIZ LY3W N4DB N8XE W6BXQ WB8BZK WW2DX XE1H	130 AB0X AK8CW K0GUR K4JKB KC4NX KE8RJU NG9R VE1DX VE2TZX W0PHX W2LES W3FEY
157 K4FX KB8GC KC2WUF WA7NB	151 K00Z W1ZT W2DXE				
156 K2KJ N3RN N9KO VE7VDX	150 N9LAH VE3OAT W7APM				
155 AE4M	149 AB6CF K4SAN KK9H				

WA2SEI	NT7C	121	KW4BY	W2JLK	N5TIF
WB4YDL	W2AJM	AE1P	N1QDQ	W2ZQ	N5YM
WW5W	W3UQH	K0MFI	N3JNX	W4ALF	W7JET
	W4DFU	K4HBI	N5EIL	W4UFO	W7UP
129	WA6POZ	KB2WAL	NZ1I	WO2C	
8P6ET	WB4OMM	KB5MH	TF3JB	WX4US	109
JA3LZS	WE1P	KE4JFS	W2AC / WB2ABK		AK6ZZ
JF4VZT		NE0P/9	W2AC/WB2ABK 113		G4BWP
K0KD	124	UR0MC	WB2KSK	AB4PM	IW1ARB
K5QWO	K0DLW	W8DN		AD5MD	K2DSW
KC8KSK	K8VA	WB9TFH	117	K3DQB	K2JGL
KF4NEF	KB0HH (EM06)		AB5J	KD4BPZ	K2OO
KM5LY	KD5FTD	120	K4WS	KD6VCD	K5DNL
KM5SC	KM1C	EA1YO	N4USG	KM5OL	K9GY
N9WBR	KT5MR	K2CYE	N5JEH*	N3JDQ	KE6GLA
NZ6N	N0SL	K4CGY	N5LPT	N4YCI	KJ6CA
	N9AZZ	KD0R	NA7L	N5YK	KZ7N
128	PV8AAS	KD4MZM	NU6V	W0BM	N8TMW
KC7QAG	W0PE	KD5BRF	W6WE	W8MSP	N9TTX
KJ6SDF	W1TAM	KE4SCY (FM06)	WA1TBV	W8VW	VE3AAQ
KN4DMN	W7YM	N3YPJ	XE2PXN	WD0ENC	W0YJT
W0WT	W9CDL	VE1JC			W1OP
W5ZO		VE3XK	116	112	W4ZRZ
W8FR	123	W4LVH	IK7EOT	K2MLS	W5MPC/1
WB2WEO	AC7AF	WA6RAY	JR1BAS	K3GD	W7RJR
WQ7F	K9SM	WB0WAO	K4RGN	K5WTA	WB6YIY
	KB0GT	WD4OHD	KI6QDH	KA7T	WB9W
	KB0STN		KU5B	N5HMH	
127	KG6DHQ	119	N0VR	W1TR	108
AA9RK	VE3TG	AE5AU	NO0B	W5DM	CF3VRQ
JR2LJO	W1HS	K0AWU	W0DHB	W5DQ	HB9BZA
K3GYK	W3SE	K1ZN		W6OAT	JA9IPF
K7UV	W4PRZ	K2SQS	115	W7IV	K5OPB
K8AC	W5EWF	K4MSG	K9MMS	W9PN	N3MWQ
K8OS	W7MHW	K7JIZ	KE6TVM	WA8TWM	N5DD
KB3OZC	W8BI	KF7PCL	KF0QS	WX3P	VE3SUB
KB9TLV	W8KHP	KP3V	KF9AF	XE1GK	VE7IG
KC0RQH	WA8WV	KT0P	KM5FA		VY2RU
NO8D	WB2RVX	KW7N	N7VGO	111	W4AMP
VE2JWH		N4UPX	VK9DX	N0SLT	W4CRN
W1FLD	122	W0QC	WA3BZT	N8IK	W5AAJ
WA6BIL	K7AED	W4SW	WC7V	PC3T	W8EH
	K7OGW	W7QQ	114	W8GBH	W9VNE
126	KA9JAC	WI4T	AC8HU	WZ8P	XE1R
KJ7G	KB4UF	WM9M	K2RET		
N0BDS	KB5WFE		K3RTU	110	107
N7DGI	KC5UGX	118	K9AAN	K5KR	JA3EGE
WB4HUC	N5HYV	J68AS	KC4GCK	K7LD	K5UIC
YL2AO	VE6PY	K4AZV	KG9Z	KD5J	KF7PG
	VE7JAC	KA4LBD	NF8M	KI0F	KI9A
125	WD0GTY	KF6MXK	VE1WOW	KP4JRS	KK4LUM
AA7DK		KI7BP	VE3IRR	KQ4LA	N3TTT
K3PU		KT8X		KX5U	N9OI
KC5DRI					

NF0T	AC9QR	K0HAQ	AI2S	N7HRT	WH6LR
US0KW	IK4DRY	K3HW	AI9U	N7JPF	WT5H
W2ODH	K5PPP	K9AM	K2UA	N7TE	WV5Y
W2TTT	KB9RNO	K9OHI	K4UQC	N8GHZ	
WB4PPW	KC2TR	KA3ZLS	K5GM	N8YV	97
	KD9GKL	KB8CR	K5KV	N9MKC	AB8M
106	KJ7OG	KC6WFS	K8IJ	NB5R	AJ9C
EA4DEI	KM6WXB	KC8DMN	K9CC	NH6CJ	K0HB
K0MEI	KO4LZ	KD8NYO	KB9ZLB	NI5W	K0JQZ
K5BJW	N0STP	KE1AU	KC2HLI	NS2P	K0QEI
K7BWH	N1LDY	KJ4M	KC8CC	VE2HAY	K0SH
K7JE	N2FBQ	KR5V	KC9CMT	W2HOG	K0YQ
KB0TIJ	N3UPS	N1HOQ	KD3SW	W2VU	K3HZO (FN20)
KC7ICM	N7AGF	VE7ZD	KE5CVM	W5JLC	K4GTR
KE5JXC	NJ1H	W4RVZ	KF0Q	W6TJU	K4JQU
KJ6MBW	VE2PIJ	W5DPT	KG5X	WA1LAD	K8XF
KK2DOG	W1TE	W5OV	KJ5OA	WA5TRX	KA2BSK
N0RQ	W1ZE	W7UT	N3TBB	WB5NHX	KA7EII
N1USB	W4KVS	W9NFL	N4NIA	WB7VVD	KC0YBM
N2IPH	W6ZQ	WA8EQP	N5RZK	WK5X	KD5CKP
N4CE	W9EBK	WB5FDP	N5XTR	WW2R (EL09)	KF4KSN
N5FPW	W9MDB		N7EME		KM4NYI
N5YHF	WB2VUO	101	N8COP	98	KT5WB
N8HM	WB8BZK/VE3	AE7V	N8XS	AC2RL	N1SFE
N9XMU	WG3K	K0RAR	VP2MRM	AD8Y	N1VMJ
VA3OKG		K0SBV	W2CH	K0KC	N3UMA
VE3AJY	103	K0WJ	W4/KL7GLL	K0UD	N4BH
WB6VYH	AA5CK	K2NUD	W4OZK	K3IXD	N5OTY
WQ9F	AB0YM	K5DWI	W8BZY	K3QIA	N6MA
	AB5SS	K5HX	W9DQ	K4OP	N9APK
105	K2OY	K7SYS	WA5TLP	K5HOB	N9IO
AC4Q	K4MVL	KB4KBS	WV9E	KA1EKR	N9KY
K4SJA	K6USY	KC6AWX		KE4LGL	NK7C
K9MAL	K8ZEE	KC8CSD	99	KG4YOU	NU0Y
KB3JGS	KA1W	KG8WB	AB0SD	KG7E	VA3FIN
KC0JYT	KB0FHP	KG9IL	AB3TM	KJ2G	W3QT
KC4KK	KB2SGX	KL2R	K0YO	KK0CQ	W4CWA
KF4DGS	KC9FFV	KR4WM	K4KEW	KY0Q	W4DAS
KJ7TH	KF0AIJ	KR7LD	K4WQ	N0JJQ	W4ID
N4NQY	KF4DVG	N1IX	K4ZO	N1JHJ	W7DN
N5SAN	KR4NO	N4AOE	K5VPQ	N3LRP	WA6OSX
N7YY	N0YXE	N8VEA	K7DD	N5TEY	WA9LEY
NE9O	N1JIF	N9DVS	K7PAP	N8AID	WB8RVK
PU4JOE	VE7DXG	ON9CMR/W0	K9ZZE	NO5X	WB8ZTV
VE3VRQ	W0TF	VA2LGQ	KA0ZEE	NO8R	WB9PNU
W8MIL	W3LEO	W4LLP	KC2IEB	VA3VF	WE8L
W9RVG	W6IT	W5KBD	KC6X	W2KRP	
WA4MYO	W6XU	W7ISG	KD4MWO	W6TE	96
		WB8IMY	KD6RUH	WA2FGK	AD5OW
104	102	WD5IYT	KR4UA	WA3TLT	AE4TQ
AB9YC	AA9MY		M5MYH	WB1GQR	AK4F
AC5K	AB8JH	100	N4FV	WB2YDS	K2CK
AC5RN	AD6KH	AC0FT	N5OHL	WD0E	K2UF

K2UNK	N3WAV	N0LP	N2YTF	W4LIA	K1KA
K4EQH	N4ET	N2SU	N3AO	W6NS	K3CWF
K5CRJ	N5BLY	N3JBH	N3ZBK	W8JV	K3UAL
K8EMR	N5ENU	N3XBG	N4GOA	WA3JKB	K4AAP
K9OT	N5KI	N3YUG	N4YHC	WA4EEZ	K4FTP
KA2NDX	N9IV	N5ZMP	N7EGY	WM3O	K4XZ
KA3HED	N9LJX	N6HY	N7JI		K8EAB
KB5GI	VA3KS	N6MXU	N7KSI	91	KA5TJI
KB8PNS	VA3PZ	N7NH	NA9D	AA0CW	KB5FHK
KC0HBP	VE3KZ	N7UN	VA7QI	AD3Y	KB7BSA
KD6PY	VE3SPW	N8WWM	VE3WMD	CO2WZ	KK4DZP
KI5TE	W3UA	N9DD	W0MHK	K1UR	KW3DX
KM2O	W4YZJ	N9UNX	W2VTV	K4SPA	N2ULL
KM5NU	W5ADA	VA3MA	W3ZGD	K6YK	N4BRF
KS4V	W5CBF	VE3RX	W4GPM	K7HPN	N5BA
KT5RR	W5RCQ	VE5MX	W5DMT	K8OI	N9JJ
N0WVU	W7JWC	VE7AB	W7EIR	KB2YWU	N9MSG
N2LID	W9SX	W2GR	W7TRX	KB3IAI	VA3XOV
N2VHZ	WA2ONK	W3IPA	W9IFW	KB3NDS	W9CPV
N2XK	WA3I	W3TA	W9NED	KB7AZ	W9CSY
N8PAQ	WA4WR	W4LNG	W9WI	KC5POV	W9HBH
N8YBY	WB2SIH	W5ODD	WA5ICA	KC8LGL	WA2BEV
NT2A	WD8DOT	W5PUF	WB5CON	KE1IU	WA8OJR
NW5Q	WS4S	WA7LHZ		KG4QWC	WD9HCF
NY2Z	XE2AT	WA9BXB	92	KI3O	WE7H
VE2DCP		WT9U	K1EY	KI5BLU	WEST SEATTLE AMA
W1HMM	94	WV7S	K5GDX	KM7N	WH6LE
W4KK	AA4RP		K5TDA	KM9I	WT4C
W4TMR	AB4VT	93	K7FU	KQ6K	XE3/K5ENS
W7JHS	AD1DX	AG2A	K7HKR	N3PPH	
W8DM	HK4SAN	AG6CV	K7UWR	N3WCM	89
WA3EEC	IK8YTA	AI8F	KB0PQP	N7CZ	AB1TZ
WB0M	K0ARM	K0IW	KC4JNW	N8DEZ	AG2AA
WB5KJE	K3BEE	K1PTF	KD4QMY	NR4J	AG7NR
WP4LNY	K3TUF	K1ZK	KE4WBO	NU4N	G4NBS
	K4JRK	K2AK	KG4URP	OE9KFV	JQ1TIV
95	K4LDC	K2MTS	KR7X	VA2BBW	K4BMM
AE0G	K4NNX	K4DAM	N0RC	W2SUB	K5CX
AE5EO	K8GT	K5TRI	N2SG	W4MLN	K5JAZ
K1PNQ	K9DOG	K6RM	N3GH	W5KDA	KA0MWA
K4ED	K9SUL	K7IP	N4VN	WB0NRV	KF4TVL
K8KFJ	KA2F	K7TRK	N5QO	WB7X	KI0G
K8ME	KA9UVY	KB0USF	N6FD	WC4V	KI4FW
K8VD	KB7AK	KC5TGT	N6RPM	XE1GZU	KI4US
KD7WH	KC0AUY	KC5TT	N7DED		KO4PRE
KD8DR	KC3AK	KC9TTR	NS6E	90	KR4U
KD9ZR	KD4VRZ	KC9UL	UT5JAJ	AA0LM	N2GZ
KF6XA	KE3WM	KD0QG	W1PV	AB4WL	N5KAE
KI0SK	KF0LA	KE6AZX	W2ACY	AB9DU	N8YSZ
KW9U	KG4NLZ	KE6UMW	W2CVW	AF5BG	N9RG
N1XK	KU4JZ	KE8RPJ	W3ACO	DL1SMA	N9UDX
N2SLO	KV3W	KI0J	W3HZU	JH4JNG	NE2U
N2WLS	N0LNE	N2BX	W4BP	K1HC	VE3VCF

W0HRO	WK3N	KB3MXK	K3RJK	77	70
W1HY	WV8O	KC0V	K4JMX	K1IFJ	GI4SJQ
W2JEK	XE1SOV	KE4DRF	KA5WSS	MI0AYR	K4BNC
W2OK		KK4AND	KC5YKX		KC0ZRX
W4ZMM	87	N2RJ	KG4KVZ	76	W2LV
W6VNQ	AC0A	N4LS	N1SF	K0WYN	W2QO
W9HT	AG4I	NJ1Q	PU8TEP	KI4CYB	W4GP
WA7SDI	K4JC	VE3GFN	W5DAS	KI7WXP	
WB3IAL	K5UZ	VE7DAY	W7YOZ	N1GNB	69
WM6Y	K5WO	W1WV	W8GG	N2MH/4	K3WGR
WQ5C	K6UIP	W3STU	WA2ONG		WD4LBR
WR5AY	KB1VUN	W4IT		75	
XE2NL	KC8NAH	W4RA	81	G4RGK	68
XE3DX	KE6WOX	W6ST	AB4I	K3PP	AA4S
	KI6RRD	W7SIR	KE4DZU	K8QM	EH7CD
88	N0ELA	W8DQ	N6MM	N5GH	K6CF
AA4QE	N2CJN	W9QY	N7NEV	NP3YL	KJ7TEA
AE0DX	NA5DX	WA4WKL	NI4Y	W5UC	KW4OV
AE4OF	NE5S	WD4LSS	W3MC	WP4NEG	
AF4MI	NI5F	WF4R	WA4ZXV	ZL3AAU	67
K1RS	NN7RM		WA8ZNC		W7YED
K3TN	W8GOC	84	XE1EE	74	
K4XD	WB3IGR	CT3FT		AK8B	66
K7CTV	WB8JAY	K4EZY	80	CX4AAJ	K6KLY
K7WV	WF4W	KE6NDG	AC6BW	KF2TI	KK4YEL
K7ZVY	XE1RBV	N1KI	K7FR	LU4FPZ	
K9JF		N2NWS	KE4PT	TI2CDA	65
KB2KIR	86	VE2WBK	KR4Q	VE6SO	JA1XEC
KC1GWX	AG1T	W8PU	KW1DX	VK4CZ	K5EJ
KC3MLC	K7FB	W8SGR	N2NS	WC6DX	N7UJJ
KE7RTB	KA9OKH	ZS6NK	UW5ZM		OK1MP
KE8UM	KB7JJG		VY2HF	73	W4CCS
KI2D	KI6HQT	83	W5TTY	G4FKA	
KI4RFM	KN4MMH	AA6E	W6TCP	JF1IRW	64
KJ4KW	KP4TB	DL5XJ	W7AM	SV1RK	JG2TSL
N1CEO	KT1R	K1LH		VP2MJD	WD5GRW (EM13QC)
N2MKT	N2NF	K4SQC	79	W4WT	
N2ZN	N3MVF	K6JJ	K4RW		63
N4CAG	N6PM	K8SIA	K5JBT	72	EA1DR
N4GN	N8TFD	KB3HHA	KP4N	AB1QB	KB0RFY
N4KIN	NZ3O	KB9LIE	N2COP	N4II	
N4UC	VA3MDB	KK7BV	N5YJZ	PV8ADI	62
N5VBK	VA7LM	KU4WW	N9RC		HL2EIZ
NS3X	W8IW	TG9AKH	VE3CFK	71	IZ8EDJ
NT4TN	WA1PMA	W7USB	W2GW	HB9EFK	K4DXA
VE2VLJ	WA4USA	WD6T	W2SKI	K0GW	N6ZDH
W2BZR	WB4GCS	WD9IOK	WN0L	K4GK	SP5QWB
W3YX	XE2AU	WI6Z		K5WPN	
W4DL		XE1MM	78	NP4TT	61
W4RXR	85		K2QPN	W2YR	CU3AN
W7HDD	EI3IO	82	TG9AWS	W3FGP	N0GVK
WA2BTR	K1UU	AD4IE	W4NE	WC5M	UX1UA
WA5MD	K4LRP	CB0ZA			

60 IZ4DPV KP4JFR S55DX UR9QQ	YY4DNN	35 GI4OWA HA5PT LU9DO	KS4YX LA6OP ON6AB PA7TWO	15 9K2BM EI2GLB HB9HIT HL4GAV LU5FF PY2RN SV8CKM UT3UA UX0DL WC2C	HB9BOS PA5KT SV2DCD TF3Y UR7DWW
58 HB9BIN KC6NBI SV8CS WA2MUA	47 HB9RYZ HL2IFR JE1VTZ	34 G4SEU HB9ALO LA2QM UR5WA	23 GM4ILS HB9G K4SLC KP4EIT W8MK		9 DL7BA EB1EWE EC7ZK G6BFP IK3ITB JA1MZL JA2FGL JE1LFX KB4YKC KD3UY
57 IK1ZOF JL1UXH N5LJL WD5GRW	46 LU2DX	33 W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH	14 HB9FMN JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	
	45 JA6WJL K4TXJ	32 N3LRH SM6WET ZL3TE	21 EA1YN		8 DK2LO JA1CPU JE3PCP N8RO OH8LXT
56 KI5WA LU8ADX NI6T US5WE	43 8P6SH CT1EEN HB9RUZ K4ZIN SV2AEL	30 E72X JL3LSF JO7WXN WA6DNR	20 CX1FK DM2RM HL4CJG I1FQH JM1KVV N1WC PY5EW W8LR YL3HA	13 K4WY PY2MC W4PWF	
55 JL3MCM LA3MHA WA2EMF	41 K0BBC/R N6PAZ	29 HL2WA OE4VIE SP5APW	19 EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	12 EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW ZS6WB	7 G8APB HB9GWJ IZ0INX JA2NDQ JI2UDK JJ2NWI LA3DV N5ORT NJ4Y ZS4TX
54 AG4KI	40 E75AA JF1LMB JR0QFA WB8TGY	28 CT8/K0RUI JA6CRP K0FMI OH3DP			
53 K0BBC PP1CZ	39 AA5PK YL2JZ	27 E70A KC9ELU WP4NIX	18 AJ6V KJ4EU OE3SGU W0HBH	11 A65BR DL1TS DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ PY2DV PY2GM SP5XMU	6 CT2FEY DH0GSU DL1TRK DU0A EA8MT EI2JC JA7NGE PY2VA
51 CT1ETE N8OFS VE9FCP	38 DD3KF DU1EV K8YSE VK5PJ	26 WB7QXU	17 G3LZQ PY2XAT W0JM		
50 N6DW	37 BA7NQ JA9APS	25 EA4/K1WE	16 N6VHF	10 DL4CF	5 DL5LH EA1AAA EA7ZY IK8GYS JI5USJ
49 N8MR	36 JA1WSK JH9DRL OH4UI	24 EI2JD F1RAF F4BDG			
48 G8BQX JA9KRO KI5KC N6DBF NP3IR					

JJ1IDW	YL2MU	IZ2CSX
KB8VAO EN91KT		IZ3DBA
M1VPN	2	IZ5FSA
MU0GSY	5B4ALJ	JA1GZK
OK1IN	6K5XZE	JA7DPC
ON5UE	7J1ADJ	JA7VXB
PP2RON	9A2GA	JH8XVT
SK6QA	9K2NO	JI1HNC
VE2NGH	BV6CC	JJ1PFC
VR2XMT	CO6CBF	JL2ULM
W1ZR	DF8FT	JN3ONX
W2ZF	DK1CO	KC3KJQ
YL2CZ	EH4BPJ	KG4JSZ
	ES8JX	KH6WI
4	F5TMJ	KP4DER
CT7/RC2A	G0THY	MM0INH
EK/RX3DPK	G4DDL	OK1UU
F1DFR	G8GNI	ON6NA
IV3GOW	GI4ONL	OZ1IKY
JG1JPE	IK1IYU	PU5SVE
JH7IMX	IK2GOQ	SM3GBA
JH7IPR	IZ8XQC	SM6LPG
JK6DXD	JA6AVT	SP7EXY
S51NM	JA6SZV	SQ5NRY
UT5EL	JA9FAI	UN8G
VK4ZP	JP1HDK	UR5EDX
XE1SAX	K7LY	VR2VGM
	KEN IN NEBRASKA	WB7VUF
3	LA2CQ	YO8WW
DF1ZN	OH3KAV	
DJ5AV	SV1XV	
DL2KQ	SV3FUO	
EA1AR	YB2DX	
EA4D	YL2KF	
G3LHJ		
GM4CFS	1	
HA9PP	3A2MW	
HL2ZN	9A2EY	
IK0WRB	BD4UJ	
IK8EPC	CT1AHU	
IW3GJF	DH8BQA	
JI1CHH	DJ3ZF	
JM1GHT	DL2DCX	
JN1BPM	DL4ZAB	
JR6IQI	EA3WD	
KC0Y	EA4GQS	
PY5IP	G4VSS	
SA7CJO	G6MXL	
SV1VN	G7SQS	
W1CBY	G8TTI	
WD9EWK (DM43)	K5BSC	
YB1TJ	IW0AFS	
YL2CA	IZ0BTB	