

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 (06 Jul 2026). 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	W4UDH	W5ZN	474	461
AA0MZ	W5ADD		K7KQA	N4JQQ
AA5AM	W5AFY	484		NA9RB
AA5C	W5AJ	AD6D	473	
AA7A	W5EME	AF5CC	NQ7R	460
A15I	W5FF	A11K	WB0O	K5OMC
K0GU	W5KI			KF0M
K1TO	W5OZI	483	472	W3UR
K1TOL	W7GJ	AC0RA	KB7ME	
K4PI	W7JW	K1USA	ND4X	459
K4XO	W7KNT	W0VTT	WD8JJA	N5NA
K5RK	W7MEM	W5TRL	WE9R	
K5UR	W9FF	WB0ULX		458
K5WE	W9JN		470	K9NW
K7CW	W9RM	482	WO7R	KG5THG
K7ULS	W9XX	K0BJ		N9BCA
K8SIX	WD5K	KX4R	468	NA6MG
K9CT	WQ5S		N5EKO	
KA9CFD	WS9V	481	VE3EK	457
KA9FOX		KC7QY		K4HB
KD5M	487	N4WW	467	N9PGG
KG5CCI	K0SIX	N5WS	NY0V	NI0G
KM0A	K0TPP	W9VHF		
KM0T	K7MAC	WA7HQD	466	456
KO9A	K9YY		KA0JGH	AJ4A
KR7O	N0AKC	480	KB6NAN	N4QS
KV5W	N7CW	K5GZR	WB9CIF	
N0LL	N7IR	N4TB	WX7M	455
N0LWF	N9ISN	XE2OR		K9MK
N0PB	NA6L		465	WA9DU
N0TB	W3IP	479	XE2K	
N1AV	XE2CQ	W5WVO		453
N3SL		W9RN	464	K4YMQ
N3XX	486		AJ4F	K7PI
N5DG	K5ND	478	KB9OWD	KB9DAK
N5OMG	K7BG	AD1C		
N6JV	KY7M	AE5B	463	452
N7NW	N0KE		K4MY	N5BO
N9LB	N7KA	477	W5XC	N9BX
N9UM	WD5COV	KC7V		NE1B
ND0B		N5KO	462	
W0FY	485	N7ZO	K4SO	451
W0JW	K9MU	NC6K	K6ZH	K5WBM
W0LGQ	N0POH	W6XK	N6ORB	KD3CQ
W3CP	W5VY		W5THT	

450 K3SX K8ZM KF8MY	438 N5TJ	422 VE6WQ WB5JID	407 W4AS W5CIA W5PR	KF7CQ WB4EVH
449 KF6HI N8OC W8TN WB7CJO	437 K5RT KK4MA	421 WW1L	406 AK3E K6FG K8EB N4UFO	394 AA5JF K6RO KT8O
448 KP4AJ W3LPL XE2X	436 N9FN W3TC WB8ART	419 K7NN W0GN W5AL	405 AA4SC K3FRK K5CKS NE9U W0MU	393 K1GG K7XC KV7N WR7X
447 AH0U KS7S N2NL N4SC	435 KF6A W3LL	418 NZ3M	404 K8JH N2ZX VE4EAR W5SUM	392 AF4HX W6OMF
446 K1HTV K6EID WB8ZBT	434 K1SIX K8ROX VE3LYC	417 NJ6D	403 NH6T/W4	391 AB4SF AD5A W4AVY W6TMD
445 K4XP KU7Z N4LR	432 K6GXO N6KK	416 K4RWP K7ND KO4MA NI0P	402 K3FM K7SMA	390 KI0E KZ2I
444 N7BAV W9WO	431 K0TLM	415 K7AWB W0GJ	401 K4CKS	389 W5MO W7FI
443 AB4IQ K5XI N4MM	430 K1TEO	414 AA1ON K0DEQ N0GZ W4TV	400 K2TER W0JRP W3UUM	388 K0IP W4WRL
442 AG9S N2QT N4TL	429 K4ZOT K8ZR WA5JCI	413 AE5FM WA9LFO	399 NN4R	387 KV4T N4CH
441 K8TB K9KLD WA1EAZ	428 K9APW	412 VE2XK 6M FN07P	398 N8IEZ W1NG	386 N7IJ W5TFW W7AH WE4S
440 W2IRT	427 W0RH	411 N9EAT	397 KE4TH	385 NK1K VE6MB W4WTA
439 N4QWZ NM5U	426 N5OK W5JAY	410 KB0V KE7SW KE8KMX KI8G N4HN	396 K6VHF KB8U	384 K8ROK N2WK
	425 K6ML	409 N1EVK N5SYV	395 AA5XE K0AZ K5XM	382 K5PI
	424 N4UFP N9AKR W3EP WB8BPU	408 W7BA		

VE3YXO	W4FC	357 K4LVV	N8LRG W1OW	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC WB5TOI
381 AG4W W3VZ	369 KF8UN N2DPF W8LMG	356 K7PT	343 K5EK N3RC N6KZ N8HRZ	
380 K7MCX NE6I WA5LFD	368 K0DD W5RCI W6GMT	355 KD5XB N3AIU (DM45)	341 KD7DCR NX7U WA7YAZ	333 AA4LR K0TC KM4HI N0IGZ W3GQ
379 AB9BH N8WNA	367 KC4HW W7Yaq	354 NU6S	340 N0AN	332 AA7UN N4JDB N7KDT VA3IKE W9GM
378 KR4BD	366 KI7JA	353 AF2K K0CS WA9PWP	339 KE4BKL VA7FC W5VAS WB0OQV	331 K1GJQ K8WDA KC0UDO N4MW W3TI
377 AB1OC NT9E WA1NLG	365 K4JJW K7XB KG7CW	352 KF9UG VE3DS W0KKK W1DYJ XE2ML	338 N9JR NA5Z VE3SXE W9XA WA5KBH	330 KB8MBC KG6AY W8PI
376 K8GI K8VfV N3OC	364 AB5EB K0RAR N6QQ	351 AA4FL K5DTC	337 K8ZES W9EWZ WA5RT WW0E	329 AA1QD N2JJ W2OR W8WG W9DCT WB4KTF WX4G
375 K6QG WB4OQX	363 AB4EJ W4NH	350 N6VI N8YO	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3XN WO9S	328 K6ME N5PT W2CNS WB3LHD
374 K0TT KV7K N6GP N7DB NY1V	362 W1JR WA5OLT	349 KA0BAD KB1EFS		
373 K4SSO	361 AC9DX K6EME K8BL K9NR N1KDO N8KOL NG4C	348 N1JFU NJ7G		
372 JA7QVI N0FJP	360 K6UM (CN85) W0NOZ	347 W2HRO		
371 AA4ZZ N3PS WA6BYA	359 AA4FF	346 N9XG W8OP	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KM3V KN4NN W4ER W9GKA WA7PDC	
370 K5TN KN4SM KS4YT N3MK NT0V	358 K5RLA KG8P NK0S	345 AA8SW VE7BV W3XY XE2YWH		
		344 K6FW KB0PE		

326 K2ZD K5KEW K6LMN K6TDI NG7M W7JLC WF7T	W4UCK W9BWR	K6UM (CM88) KT1J WA9M	KC7RW	K5CZD K9UO NS7K
325 WA2AEY WX0Z	315 K5VH NY2NY XE1AO	304 K6IPF NS4T WA0GUD	295 KE4P N6AR N7NT XE1YY	284 AB0RX K0KP K4DET NJ2F (EL96)
324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN	294 K2UU K6JSV W7IMC	283 N5OHL WA0FQK WB0CQO
323 N8II W8KEN WO2T	313 JE1BMJ N2ZZ N6NR N7UVH NF4A W4GLV W5RKN	302 JG1TSG KB2TGU N3KN	293 K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K5TA N8JCM W4WM
322 K0CAO N3ALN VA6SZ	312 AF6O KA2GOJ	301 N0HJZ W7IB W9OBG WB0TVY	292 KJ6P W1SSN	281 AA8MA JR1LZK K4OY NL7CO W2YE
321 N0LD NC7B NS4C W9VA	311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH WX2S	291 KS4S W1WHL W2CCC	280 N0KV NM5Z W1FKF
320 K1ST K7LOL N4DW	310 N1NK W9KVR WO4DX	299 DK8NE KX7L VE6WK W1LE W8UV WB5GVY	290 WA8EFK	279 N3JPU W0VHF (EL87) W8GJ XE1FAS
319 KF2T N7US	309 AA9RR KK0DX WA8ZID	298 K0MLD K0PG KD4WSC N4IQ	289 K2BLA K4MM K9FA N5BCA N7RO NQ7G W4LTJ	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N
318 W4HY	308 WA4HFN	297 KG5EIU N8YQX N9LF	288 K1NU W1DU W4HLR	277 AC7JM PV8DX
317 KA8SYV W1SKU W3HDH	307 AG1A KE5K W3ATV W9RPM	296 K4XR K6YUI	287 K8DP KC7MRQ N8CGY WA4NVM	276 HC1BI K2CS K5TWJ K7TAB
316 K3FN KA0ABA	306 K4QE KE8Y WV9L	295 K4XR K6YUI	285 AB0S	
	305 K3VAT			

W9OO	KG6EG	KG6I	251	242
275	KX9N	KN5O	AD5JK	IT9IPQ
K1MAA	N2AMC	NY1E	K9QJ	K3WW
K2NJ	N8EHW	VE6BMX	KG7NV	KA3TCC
N4GG	W4FSO	WA4YA	NN4SS	VE3SMA
VE6TA (DO33)	W5WP	258	W2LV	241
W0FK	W9DRB	AB5GU	250	N6NU
274	266	K1NJ	AA9LC	W5LO
KB1DMX	K1OA	K2HAT	N5PA	240
WA8MCD	K1WVX	NA2NY	NW6R	KK4ZUU
273	TG9AJR	WB7ECS	249	KO6LU
KM4H	VE3MSC	257	CT1IUA	VA3HP
KV1J	WB8EJN	K0CCM	K8AO	W1VT
VE6SH	265	K2KA	KQ5U	WA2VJL
272	N5KS	K5QE	N1GC	239
KF8QL	W7CT	KD4MYE	N5SMQ	KF4LVF
KO4PRE	264	N5DTT	248	MD0CCE
N4SV	AC8L	PY2XB	K1ZZ	W6RW
271	K4JAF	W0PPA	W6VFA	W9YOY/M
K7NII	N0TK	WA2HF1/0	247	WA3SEE
KB7FUV	NF1O	256	JA1UAV	WB1FLD
KL0S	263	JM1IGJ	N5DD	238
W3HHN	AK4PR	KL7NW	W3TEF	AA3GM
W3SW	K9AAA	N8ZJN	246	JP1LRT
270	WB7QBS	255	K0DAS	237
K4SPD	262	K8MVZ	K8YC	K3KO
KC9FQD	K3CWH	KG4JPL	KK8X	236
N2LIV	K5VR	W4HFZ	N5TIT	K0SU
NI3K	KD8JSP	WA8KNE	W4FRA	K4NK
W4QK	N4ST	254	WI7P	N3FTI
W5DNT	ND4DX	N4GBK	245	N9ATD
W7JY	WA0KBZ	N7QOZ	AE4WG	W5AJX
WZ9B	261	NR0Q	N1IA	235
269	AF2F	VE3OTL	N3XF	ND0C
K2IE	K3TWK	WD5ITW	VA3CW	NN9X
K3ZO	KB8UUZ	253	244	VO1GO
KD5R	N3EW	F4BKV	K8DV	WB6RJH
N5EPA	W6TCP	KG4ERR	N3AIU (FM08)	WT2P
N5WD	W9TA	N2XQM	N4JRY	WZ9W
VA2CY	260	252	VA3ZV	234
268	K6JAD	AB5A	VE3VHB	KE6FCT
K6OJ	K9MQ	CT1EEB	W0VD	233
KI0HA	N6HC	K1ACL	WD4IXD	K1AFC
N9ZTS	NT7C	K3NK	243	N9NJS
W0KAN	W3DF	N9ATF	JA1QJI	VE7VZ
WB9PNU	XE1YD	NN4RR	K3TC	W8PAT
267	259	VE6NTT	W4EJ	W9TD
KB1HY	K1BD	258	YV1DIG	XE1L
	KD4ADC			

232 K5FO KK8MM N9NJY WA2OTC	N2WSY PV8AZ W8AKS WN6W	N6PM NE1F W1AW W5RWF	CO8DM KD5HIO PV8ABC	KR0I NN0K NR2C WA1MKE WA9ASZ
231 AI9L K4MIJ K6HEW KF6GYM W9XT	224 JA8ISU NJ8J	215 AL7OC K2SX KI5FJ N2YU N6KW	207 N1BCL N8NJA	200 4A2MAX K4YJ K6ZZ LU4FW N5AO N7PHY N9AG VA3VU
230 JM1SZY K1ZE KO4MM VA3XJ WB0WAO/8	223 K7UA NJ7A	214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ	206 AB0CT AE4M AK4Y CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	199 N3KFV W4OEP WB0YEA
229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX W5LUA	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	213 K3DFL KI6X W0NBC	205 AF4OD K8SD KE4HOA N5ITO W8QID	198 AC8TO JR2HCB N0UK N7EPD NX0I W8DM WA7KYM
228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	212 AB5C JF8QNF JR3REX K3EA KF7NN N1SV N2OA	204 K00Z LU2DX WA3DRC	197 K3EGE N4BAF W3TW W5CTV
227 K3HPA K8ZT K9TF KS9A W4KXY XE1GLL	220 K7BTW N7XCZ	211 K9FOH NE8S W2ZDP W5HNK W6AER W6KAP	203 K0VSV K5HYT K5LOW N0HF N8SYF W1RM W3SZ W9GFB W9VOB WA1KPD	196 K0AIZ K0NR KD3HN N5DUW W2AMR XE2ED XE2W
226 AF5WN GD0TEP N7CNH N8UR NM5S W0VX W8RD WQ6Q	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W K2WJ K6VDP KG6WIK
225 AC9O KX9X (EN50)	218 K1XH K4IJQ K5HPT KB8KVJ KC0VDY NA5C	209 AA4IB W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V	194 K2MRK N3FA N9NFT WF1H WK8A
	217 ND4V W4DEE	208 AI2N		

193 K9AB KD2NF KF6XA	K9SG KN7K N0XLR N6ZE	N6VH W5HI	N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI	N0NHW N8XE NOOT TG9ADQ W1BAT
192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT XE1R	179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	173 K2ZZ K5YPV KE4SCY	166 JA1OVD KC2GHT N5VU NC4RY VA3WEB WB4KXS
191 K0ITC K9CS KK6OH N9AMW W1MJC WA2BKN WA5CAM WD4JHD	184 AF5Q I0WTD K0DEW KR4M N1IBM N4BG	178 KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT N3FX W0RIC
190 K5DB K5ER KC2DLD KN4PPD N9UA W1ATV W2OO W4GE WB0DBS	183 K5RQ N0UBL W2UDT WC4H	177 AG4ZE K2QQ KI4BWW N2ZA NY4I SM7FJE W5ZG WA8UEG	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX W6IA WA2KBZ	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F
189 4O3A K6US KC0MEA WA5VKS	182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I W9JJ XE1CL	176 AD5ZA EA5BY K0DI KX9X N5QGH N9ARX NP4BM W5AFD WA5IPS WW2R	170 K9TVG N8CN NA2U W4IHI W4JKC WK3V	163 K2JF K2YSY N5XZ
188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF N9MSG NY0A W4RBO W9BS WJ1B	175 PV8BR	169 K6XC KD5OMJ N2BEG N5XES VE3HHT W8KNO	162 AF4GK K0QB KA1R KD4TDI N5SIX OE6IMD W9JJB W9VS WA1Z WB0WAO
187 AA8R K0JDD KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ	174 K3MD K6WRL KC0IYT KC6ZWT KG7P KU0A	168 KG5ZMQ KS9J W2PD W8WEJ	161 K0KVR K4EA KB3CWQ KK9M N2YBB V44KAI VE3LC W4HOG WA1LAD
186 K8PT			167 K4MQG KB1YNT KB9REV KE5EP	

160 AB1QB JA1AFR K5IQ	N2ADV N2WM N6DHZ W3DQS W5FI W9ILY WB5ZAM	146 AC0W K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	WB9WHQ WL7OU WR7AY	W7UV XE2JS
159 AA6AA G0OIL K4MZ NS7B W1EME W4TTO WB8NUT	152 AA6I N0RC N1NUM NU1T UT7QF WO4G	145 KD7YZ V31MD VA3TTX WA4JA	140 AC5DK BA4SI CO2WF K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VA3FLF VE3KY W4GPM W4TUN W6DQ WA4KXY	135 CU3EQ K4MWB K8ZIZ LY3W N4DB W6BXQ WB8BZK WW2DX XE1H
158 K8CR K10D N2CG	151 W1ZT W2DXE	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI YV4NN	139 KC7JPC KM2O KU0G N7T NA2AA W4OV WB2JIL WY0V	134 AB1NS AB4GE AD4TT C6ABB GM4UYE KE5FXE KF6UFO N3AIU (DN70) N8GOU W4TKI WA3WZR
157 K4FX KB8GC KC2WUF WA7NB	150 KW4BY N9LAH VE3OAT W7APM	143 K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	133 KA5ETS KC1RET KE1VT KM8V W0RT WI5D WW7Q XE2O
156 IZ8FFA K2KJ K9OHI N3RN N9KO VE7VDX	149 AB6CF K4SAN KK9H W3UA WB4VHF	142 NA2X NC4VA W5SWV WA5TKU WS4V	137 N1SZ N5JGK SM7AED	132 AB3CV IC8TEM K5VG KW4G N4PPH N7TP NE1I VE3TM WN6K
155 CT1BWU K3TD K6XN N5RMS N7AU N9OBE TG9ANF VA3NQ WV8DX	148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N1TOR N5ZBI PV8AJ W6VNVQ (CM88) WB6RAB	141 JA6RJK K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV	131 JR1BAS K3NAT KG9R KT3X N2CJ TF3JB
154 AE4NT KB9VMW KW4OV NZ6N W3ZQN	147 AF6AV IZ1LBG K6PSP KC1BUF N8IK VE3CX W4YCC W5WOX WA0VPJ WA3YGQ			
153 AA4NC AB4GG K7AD K7ZD N1OFZ				

130	N0BDS	N5HYV	N1QDQ	113
AB0X	N7DGI	VE6PY	N3JNX	AB4PM
JA3LZS	WB4HUC	VE7JAC	N5EIL	AD5MD
K0GUR	YL2AO	WD0GTY	W2AC / WB2ABK	HB9BZA
K4JKB	125	121	W2AC/WB2ABK	K3DQB
K8LG	AA7DK	AE1P	WB2KSK	KD4BPZ
KC4NX	K3PU	K0MFI	117	KD6VCD
NG9R	KC5DRI	K4HBI	AB5J	KM5OL
NO8D	W2AJM	KB2WAL	K4WS	N3JDQ
VE1DX	W3UQH	KB5MH	N4USG	N4YCI
VE2TZT	W4DFU	KE4JFS	N5JEH*	N5YK
W0PHX	WA6POZ	NE0P/9	N5LPT	W0BM
W2LES	WB4OMM	UR0MC	NA7L	W8MSP
W3FEY	WE1P	W8DN	NU6V	W8VW
WA2SEI	124	WB9TFH	W6WE	WD0ENC
WB4YDL	K0DLW	120	WA1TBV	112
WW5W	KB0HH (EM06)	EA1YO	XE2PXN	EA4DEI
129	KD5FTD	K2CYE	116	K2MLS
8P6ET	KM1C	K4AU	IK7EOT	K3GD
JF4VZT	KT5MR	K4CGY	K4RGN	K5WTA
K0KD	N0SL	KD0R	KI6QDH	KA7T
K5QWO	N9AZZ	KD4MZM	KU5B	N5HMH
KC8KSK	PV8AAS	KD5BRF	N0VR	W1TR
KF4NEF	W0PE	KE4SCY (FM06)	NO0B	W5DQ
KM5LY	W1TAM	N3YPJ	W0DHB	W6OAT
KM5SC	W3KN	VE1JC	115	W7IV
N9WBR	W6SCQ	VE3XK	K9AAN	W9PN
128	W7YM	WA6RAY	K9MMS	WA8TWM
JR2LJO	W9CDL	WD4OHD	KE6TVM	WG3K
KC7QAG	123	119	KF0QS	WX3P
KJ6SDF	AC7AF	AE5AU	KF9AF	XE1GK
KN4DMN	K9SM	K0AWU	KM5FA	111
N1SFE	KB0GT	K1ZN	N7VGO	N0SLT
W0WT	KB0STN	K2SQS	UW5ZM	PC3T
W5ZO	KG6DHQ	K4MSG	VK9DX	W8GBH
W8FR	VE3TG	K7JIZ	WA3BZT	WZ8P
WB2WEO	W1HS	KF7PCL	WC7V	110
127	W3DIY	KP3V	114	G4BWP
AA9RK	W3SE	KT0P	AC8HU	K5KR
K3GYK	W4PRZ	KW7N	K2RET	K7LD
K7UV	W5EWF	N4UPX	K3RTU	KD5J
K8AC	W7MHW	W0QC	KC4GCK	KI0F
K8OS	W8BI	W4SW	KG9Z	KP4JRS
KB3OZC	W8KHP	W7QQ	NF8M	KQ4LA
KB9TLV	WA8WV	WI4T	VE1WOW	KX5U
KC0RQH	WB2RVX	WM9M	VE3IRR	N5TIF
N6UTC	122	118	W2JLK	N5YM
VE2JWH	K7AED	J68AS	W2ZQ	W7JET
W1FLD	K7OGW	K4AZV	W4ALF	W7UP
WA6BIL	KA9JAC	KA4LBD	W4UFO	109
126	KB4UF	KF6MXK	WO2C	AK6ZZ
HB9EFK	KB5WFE	KI7BP	WX4US	IW1ARB
KJ7G	KC5UGX	KT8X		K2DSW

K2JGL	N0RQ	W6ZQ	101	VP2MRM
K2OO	N1USB	W9EBK	AE7V	W2CH
K5DNL	N2IPH	W9MDB	A15WW	W4/KL7GLL
K9GY	N4CE	WB2VUO	K0IN	W4OZK
KE6GLA	N5FPW	WB8BZK/VE3	K0SBV	W8BZY
KJ6CA	N5YHF		K0WJ	W9DQ
KZ7N	N8HM	103	K2NUD	WA5TLP
N8TMW	N9XMU	AA5CK	K5DWI	WV9E
N9TTX	VA3OKG	AB0YM	K5HX	
VE3AAQ	VE3AJY	AB5SS	K7SYS	99
W0YJT	WB6VYH	K2OY	KB1JDX	AB0SD
W1OP	WQ9F	K4MVL	KB4KBS	AB3TM
W4ZRZ		K8ZEE	KC6AWX	K0YO
W5MPC/1	105	KA1W	KC8CSD	K4KEW
W7RJR	AC4Q	KB0FHP	KG8WB	K4WQ
WB6YIY	DS4EOI	KB2SGX	KG9IL	K4ZO
WB9W	K4SJA	KC9FFV	KL2R	K5VPQ
	K9MAL	KF0AIJ	KR4WM	K7DD
108	KB3JGS	KF4DVG	KR7LD	K7PAP
CF3VRQ	KC0JYT	KR4NO	N1IX	K9ZZE
JA9IPF	KC4KK	N0YXE	N4AOE	KA0ZEE
JP7EIP	KF4DGS	N1JIF	N8VEA	KC2IEB
K5OPB	KJ7TH	NF6P	N9DVS	KC6X
K7MDL	N4NQY	NN2D	ON9CMR/W0	KD4MWO
N3MWQ	N5SAN	VE7DXG	VA2LGQ	KD6RUH
VE3SUB	N7YY	W0TF	W4LLP	KG9AP
VE7IG	NE9O	W3LEO	W5KBD	KR4UA
VY2RU	PU4JOE	W6IT	W7ISG	M5MYH
W4AMP	VE3VRQ	W6XU	WB8IMY	N4FV
W4CRN	W8MIL	XE1RBV	WD5IYT	N7HRT
W5AAJ	W9RVG			N7JPF
W8EH	WA4MYO	102	100	N7TE
W9VNE		AA9MY	AC0FT	N8GHZ
	104	AB8JH	A12S	N8YV
107	AB9YC	AD6KH	A19U	N9MKC
JA3EGE	AC5K	K0HAQ	K2UA	NB5R
K5UIC	AC5RN	K3HW	K4UQC	NH6CJ
KF7PG	AC9QR	K9AM	K5GM	NI5W
K19A	IK4DRY	KA3ZLS	K5KV	NS2P
KK4LUM	K5PPP	KB8CR	K8IJ	VE2HAY
N3TTT	KB9RNO	KC6WFS	K9CC	W2HOG
N9OI	KC1LXO	KC8DMN	KB9ZLB	W2VU
NF0T	KC2TR	KD8NYO	KC2HLI	W5JLC
US0KW	KD9GKL	KE1AU	KC8CC	W6TJU
W2TTT	KJ7OG	KJ4M	KC9CMT	WA5TRX
WB4PPW	KM6WXB	KR5V	KD3SW	WB5NHX
	KO4LZ	N1HOQ	KE5CVM	WB7VVD
106	N0STP	VE7ZD	KF0Q	WK5X
K0MEI	N1LDY	W4RVZ	KG5X	WW2R (EL09)
K5BJW	N2FBQ	W5DPT	KJ5OA	
K7BWH	N3UPS	W5OV	N3TBB	98
K7JE	N7AGF	W7UT	N4NIA	AC2RL
KB0TIJ	NJ1H	W9NFL	N5RZK	AD8Y
KC7ICM	VE2PIJ	WA4IOB	N5XTR	K0KC
KE5JXC	W1TE	WA8EQP	N7EME	K0UD
KJ6MBW	W1ZE	WB5FDP	N8COP	K3IXD
KK2DOG	W4KVS		N8XS	K3QIA

K4OP	NV3K	AE0G	K8GT	K7IP
K5HOB	VA3FIN	AE5EO	K9DOG	K7TRK
KA1EKR	W3QT	IK8YTA	K9SUL	KB0USF
KE4LGL	W4CWA	K1PNQ	KA2F	KC5TGT
KG4YOU	W4DAS	K4ED	KA9UVY	KC5TT
KG7E	W4ID	K8BB	KB4YKC	KC9TTR
KJ2G	W7DN	K8KFJ	KB7AK	KC9UL
KK0CQ	WA6OSX	K8ME	KC0AUY	KD0QG
KY0Q	WA9LEY	K8VD	KC3AK	KE6AZX
N0JJQ	WB8RVK	KC5N	KD4VRZ	KE6UMW
N1JHJ	WB8ZTV	KD7WH	KE3WM	KE8RPJ
N3LRP	WE8L	KD8DR	KF0LA	KE9V
N5TEY		KD9ZR	KG4NLZ	KI0J
N8AID	96	KI0SK	KU4JZ	KK7MNC
NO5X	AD5OW	KW9U	KV3W	N2BX
NO8R	AE4TQ	N1XK	N0LNE	N2YTF
VA3VF	AK4F	N2SLO	N0LP	N3AO
VE4XTZ	K2CK	N2WLS	N2SU	N3ZBK
W2KRP	K2UF	N3WAV	N3JBH	N4GOA
W6TE	K2UNK	N4ET	N3XBG	N4YHC
WA2FGK	K4EQH	N5BLY	N3YUG	N7EGY
WA3TLT	K5CRJ	N5ENU	N5ZMP	N7JI
WB1GQR	K8EMR	N5KI	N6HY	N7KSI
WB2YDS	K9OT	N9IV	N6MXU	NA9D
WD0E	KA2NDX	N9LJX	N7NH	VA3JFF
WH6LR	KA3HED	OE9KFV	N7UN	VA7QI
WT5H	KB5GI	PY2KP	N8WWM	VE3WMD
WV5Y	KB8PNS	VA3KS	N9DD	VK5PJ
	KC0HBP	VA3PZ	N9UNX	W0MHK
97	KD6PY	VE3KZ	VA3MA	W2VTV
AB8M	KI5TE	VE3SPW	VE3RX	W3ZGD
AJ9C	KM5NU	W4YZJ	VE5MX	W4VG
K0HB	KR4EE	W5ADA	VE7AB	W5DMT
K0JQZ	KS4V	W5CBF	W2GR	W5DWA
K0QEI	KT5RR	W5RCQ	W3IPA	W7EIR
K0SH	N0WVU	W7JWC	W3TA	W7TRX
K0YQ	N2LID	W9SX	W4LNG	W9IFW
K3HZO (FN20)	N2VHZ	WA2ONK	W5ODD	W9NED
K4GTR	N2XK	WA3I	W5PUF	W9WI
K4JQU	N8PAQ	WA4WR	W7NX	WA5ICA
K8XF	N8YBY	WB2SIH	WA7LHZ	WB5CON
KA2BSK	NT2A	WD8DOT	WA9BXB	
KA7EII	NW5Q	WS4S	WT9U	92
KC0YBM	NY2Z	XE2AT	WV7S	K1EY
KD5CKP	VE2DCP			K5GDY
KF4KSN	W1HMM	94	93	K5TDA
KM4NYI	W3VHF	AA4RP	AG2A	K7FU
KT5WB	W4KK	AB4VT	AG6CV	K7HKR
N1VMJ	W4TMR	AD1DX	AI8F	K7UWR
N3UMA	W7JHS	AK8CW	K0IW	KB0PQP
N4BH	WA3EEC	HK4SAN	K1PTF	KC4JNW
N6MA	WB0M	K0ARM	K1ZK	KD4QMY
N9APK	WB5KJE	K3BEE	K2AK	KE4WBO
N9IO	WP4LNY	K3TUF	K2MTS	KG4URP
N9KY		K4JRK	K4DAM	KR7X
NK7C	95	K4LDC	K5TRI	N2SG
NU0Y	AB9AI	K4NNX	K6RM	N3GH

N4VN	WB7X	N2GZ	W4RXR	KB3MXK
N5QO	WC4V	N5KAE	W7HDD	KC0V
N6FD	XE1GZU	N8YSZ	WA2BTR	KE4DRF
N6RPM		N9RG	WA5MD	KK4AND
N7DED	90	N9UDX	WK3N	N2RJ
NS6E	AA0LM	NE2U	WV8O	N4LS
UT5JAJ	AB4WL	VE3VCF	XE1SOV	NJ1Q
W1PV	AB9DU	W0HRO		VE3GFN
W2ACY	AF5BG	W1HY	87	VE7DAY
W2CVW	DL1SMA	W2JEK	AC0A	W1WV
W3ACO	JH4JNG	W2OK	AG4I	W3STU
W3GP	K1HC	W4ZMM	K4JC	W4IT
W3HZU	K1KA	W6VWQ	K5UZ	W4RA
W4BP	K3CWF	W9HT	K5WO	W6ST
W4LIA	K3UAL	WA7SDI	KB1VUN	W7SIR
W6NS	K4AAP	WB3IAL	KC8NAH	W8DQ
W8JV	K4FTP	WM6Y	KE6WOX	W9QY
W9HBH	K4XZ	WQ5C	KI6RRD	WA4WKL
WA3JKB	K6UIP	WR5AY	N0ELA	WD4LSS
WA4EEZ	K8EAB	XE2NL	N2CJN	WF4R
WM3O	KA5TJI	XE3DX	NA5DX	
	KB5FHK		NE5S	84
91	KB7BSA	88	NI5F	CT3FT
AA0CW	KK4DZP	AA4QE	NN7RM	K4EZY
AD3Y	KW3DX	AE0DX	W8GOC	KE6NDG
CO2WZ	N2ULL	AE4OF	WB3IGR	N1KI
K1UR	N4BRF	AF4MI	WB8JAY	N2NWS
K4SPA	N5BA	K1RS	WF4W	VE2WBK
K6YK	N9JJ	K3TN		W8PU
K7HPN	VA3XOV	K4XD	86	W8SGR
K8OI	W9CPV	K7CTV	AG1T	ZS6NK
KB2YWU	W9CSY	K7WV	K7FB	
KB3IAI	WA2BEV	K7ZYV	KA9OKH	83
KB3NDS	WA8OJR	K9JF	KB7JJG	AA6E
KB7AZ	WD9HCF	KB2KIR	KI6HQT	DL5XJ
KC5POV	WE7H	KC1GWX	KN4MMH	K1LH
KC8LGL	WEST SEATTLE AND W3BEUR	KE8UM	KP4TB	K4SQC
KE1IU	WH6LE	KI2D	KT1R	K6JJ
KE7RTB	WM7C	KI4RFM	N2NF	K8SIA
KG4QWC	WT4C	KJ4KW	N3MVF	KB3HHA
KI3O	XE3/K5ENS	KU4S	N8TFD	KB9LIE
KI5BLU		N0OK	NZ3O	KK7BV
KM7N	89	N1CEO	SV1RK	KU4WW
KM9I	AB1TZ	N2MKT	VA3MDB	N5PD
KQ6K	AG2AA	N2ZN	VA7LM	N6KTH
N3PPH	AG7NR	N4CAG	VE7IRU	SV2AEL
N3WCM	G4NBS	N4GN	W8IW	TG9AKH
N6DW	JQ1TIV	N4KIN	WA1PMA	W7USB
N7CZ	K4BMM	N4UC	WB4GCS	WD6T
N8DEZ	K5CX	N5VBK	XE2AU	WD9IOK
NR4J	K5JAZ	NS3X		WI6Z
NU4N	KA0MWA	NT4TN	85	XE1MM
VA2BBW	KF4TVL	VE2VLJ	AC9GK	
W2SUB	KI0G	W2BZR	EI3IO	82
W4MLN	KI4FW	W3YX	K1UU	AD4IE
W5KDA	KI4US	W4DL	K4LRP	CB0ZA
WB0NRV	KR4U		K5MJP	K3RJK

K4JMX	77	W2QO	UR9QQ	45
KA5WSS	K1IFJ	W4GP		JA6WJL
KC5YKX	MI0AYR		58	K4TXJ
KG4KVZ		69	KC6NBI	
N1SF	76	K3WGR	SV8CS	44
PU8TEP	K0WYN	W1YM	WA2MUA	WO3T
W5DAS	K6MAA	WD4LBR		XE2YWH/1
W5DM	KI4CYB	YL2JZ		
W7YOZ	KI7WXP		57	43
W8GG	N1GNB		IK1ZOF	8P6SH
WA2ONG	N2MH/4		JL1UXH	CT1EEN
		68	JL3MCM	K4ZIN
		AA4S	N5LJL	
81	75	EH7CD	WD5GRW	
AB4I	G4RGK	K6CF		42
DF3CB	K3PP	KJ7TEA		W0PR
KE4DZU	K6VHF/HR9		56	
N6MM	K8QM	67	KI5WA	41
N7NEV	N5GH	JG2TSL	LU8ADX	E75AA
NI4Y	NP3YL	KF4JHG	NI6T	LA6OP
W3MC	W4LVH	W7YED		N6PAZ
WA4ZXV	W5UC		55	
WA8ZNC	WP4NEG	66	LA3MHA	40
XE1EE	ZL3AAU	K6KLY	SP5APW	HA5PT
		KK4YEL	WA2EMF	JF1LMB
		UX1UA		JR0QFA
				WB8TGY
80	74	65	54	
AC6BW	AK8B	JA1XEC	AG4KI	
G4FKA	CX4AAJ	K4IM		39
K7FR	HB9ALO	K5EJ		AA5PK
KE4PT	KF2TI	N7UJJ	53	
KR4Q	LU4FPZ	OK1MP	K0BBC	
KW1DX	VE6SO	W4CCS	PP1CZ	
N2NS	VK4CZ			38
VY2HF	WC6DX	64	51	DD3KF
W2DEN		K3BQ	CT1ETE	DG7RO
W5TTY	73	WD5GRW (EM13QO)	N8OFS	DU1EV
W7AM	JF1IRW		OH4UI	K8YSE
	VP2MJD		OE9FCP	
	W4WT	63		37
79		EA1DR	50	BA7NQ
K4RW		HL2EIZ	N8MR	HL4CJG
K5JBT	72	KB0RFY		JA9APS
KB4DSL	N4II		48	JH9DRL
KP4N	PV8ADI		G8BQX	
N2COP		62	HL2IFR	36
N5YJZ	71	K4DXA	JA9KRO	JA1WSK
N9RC	K0GW	N6ZDH	K0BBC/R	
VE3CFK	K4GK		KI5KC	
W2GW	K5WPN	61	N6DBF	35
W2SKI	NP4TT	CU3AN	NP3IR	GI4OWA
WN0L	W2YR	K4MLB	YL3HA	LU9DO
	W3FGP	N0GVK		UR5WA
	WC5M	US5WE		
78	70	60	47	34
IZ8EDJ	GI4SJQ	HB9BIN	HB9RYZ	G4SEU
K2QPN	K4BNC	IZ4DPV	JE1VTZ	JL3LSF
SP5QWB	KC0ZRX	KP4JFR		LA2QM
TG9AWS	N6GEO	S55DX	46	
W4NE			HB9RUZ	33
				W8GC

WB4SON WB8TGY (EN72)	OE3SGU	PY2OC W9TTY	G1VDP JA1CPU JE3PCP JJ2NWI N8RO OH8LXT	JH7IPR JK6DXD UT5EL VK4ZP XE1SAX
32 DM2RM N3LRH SM6WET ZL3TE	21 EA1YN	13 K4AKX K4WY PY2MC W4PWF	7 DH0GSU G8APB IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX	3 DF1ZN DJ5AV DL2KQ EA1AR EA4D G3LHJ HA9PP HL2ZN IK0WRB IK8EPC JI1CHH JM1GHT JN1BPM JR6IQI KC0Y PY5IP SA7CJO SV1VN US0YA W1CBY WD9EWK (DM43) YB1TJ YL2CA YL2MU
31 K7TM	20 CX1FK I1FQH JM1KVV N1WC PY5EW W8LR	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	6 CT2FEY DL1TRK DU0A EI2JC JA7NGE JG1JPE PY2VA	
30 E72X JO7WXN WA6DNR	19 DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ PY2DV PY2GM	5 DL5LH EA1AAA EA7ZY G6MXL IK8GYS JI5USJ JJ1IDW KB8VAO M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ	
29 HL2WA OE4VIE				
28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V HL4GAV KJ4EU W0HBH	10 DL4CF HB9BOS JH8RZJ JI2UDK KA5WRG PA5KT SV2DCD TF3Y UR7DWW		
27 E70A KC9ELU WP4NIX	17 G3LZQ PY2XAT SP5XMU SV8CKM W0JM	9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM		
26 DS4AOW WB7QXU	16 N6VHF TI2CDA			
25 EA4/K1WE	15 9K2BM EI2GLB HB9FMN HB9HIT JE2UFF LU5FF PY2RN UT3UA WC2C			
24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO				
23 GM4ILS K4SLC KP4EIT W8MK	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR	8 DK2LO	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS GM4KHE IV3GOW JH7IMX	2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF3VG DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL IK1IYU IK2GOQ IZ8XQC JA6AVT JA6SZV JA9FAI JH3MHI JP1HDK
22 9H1SP IZ3ENH				

K4KZM UR5EDX
K7LY VR2VGM
KEN IN NEBRASKA WB7VUF
LA2CQ YO8WW
OH3KAV
SV1XV
SV3FUO
YB2DX
YL2KF

1

3A2MW
9A2EY
AJ6T (EM66)
BD4UJ
CT1AHU
DH8BQA
DJ3ZF
DL2DCX
DL4ZAB
DS5DNO
DS5TOS
EA3WD
EA4GQS
F1VEV
G4CFS
G4VSS
G7SQS
G8TTI
IK5BSC
IW0AFS
IZ0BTV
IZ2CSX
IZ3DBA
IZ5FSA
JA1GZK
JA7DPC
JA7VXB
JH8XVT
JI1HNC
JJ1PFC
JL2ULM
JN3ONX
KC3KJQ
KG4JSZ
KH6WI
KP4DER
MM0INH
OK1UU
ON6NA
OZ1IKY
PU5SVE
SM3GBA
SM6LPG
SP7EXY
SQ5NRY
UN8G