

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 (26 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	W3CP	485	NC6K	462
AA0MZ	W4UDH	K9MU	W6XK	K6ZH
AA5AM	W5ADD	N0POH		N6ORB
AA5C	W5AFY	W5VY	474	W5THT
AA7A	W5AJ		K7KQA	
A15I	W5EME	484		461
K0GU	W5FF	AD6D	473	N4JQQ
K1TO	W5KI	AF5CC	NQ7R	NA9RB
K1TOL	W5OZI	AI1K	WB0O	
K4PI	W7GJ	WQ0P		460
K4XO	W7JW		472	K5OMC
K5RK	W7KNT	483	KB7ME	KF0M
K5UR	W7MEM	AC0RA	ND4X	W3UR
K5WE	W9FF	K1USA	WD8JJA	
K7CW	W9JN	N5WS	WE9R	458
K7ULS	W9RM	W0VTT		K9NW
K8SIX	W9XX	W5TRL	470	KG5THG
K9CT	WD5K	WB0ULX	WO7R	N9BCA
KA9CFD	WQ5S			NA6MG
KA9FOX	WS9V	482	468	
KD5M		K0BJ	N5EKO	457
KG5CCI	487		VE3EK	K4HB
KM0A	K0SIX	481		N9PGG
KM0T	K0TPP	KC7QY	467	NI0G
KO9A	K7MAC	N4WW	NY0V	
KR7O	K9YY	W9VHF		456
KV5W	N0AKC	WA7HQD	466	AJ4A
N0LL	N7CW		K4SO	N4QS
N0LWF	N7IR	480	KA0JGH	
N0PB	N9ISN	K5GZR	KB6NAN	455
N0TB	NA6L	N4TB	WB9CIF	K9MK
N1AV	W3IP	XE2OR	WX7M	WA9DU
N3SL	XE2CQ			
N3XX		479	465	453
N5DG	486	W5WVO	XE2K	K3SX
N5NA	K5ND	W9RN		K4YMQ
N5OMG	K7BG		464	K7PI
N6JV	KX4R	478	AJ4F	KB9DAK
N7NW	KY7M	AD1C	KB9OWD	
N9LB	N0KE	AE5B		452
N9UM	N7KA		463	N5BO
ND0B	W5ZN	477	K4MY	N9BX
W0FY	WD5COV	KC7V	W5XC	NE1B
W0JW		N5KO		
W0LGQ		N7ZO		

451 K5RT K5WBM KD3CQ	439 K8ROX N4QWZ NM5U	423 W4DR	408 K7SMA W7BA	WA1NLG
450 K8ZM KF8MY	438 N5TJ	422 VE6WQ WB5JID WW1L	407 K8JH W4AS W5CIA W5PR	395 AA5XE K0AZ K5XM KF7CQ NP4EI/W7 WB4EVH
449 KF6HI N8OC W8TN WB7CJO	437 KK4MA W3LL	419 K7NN W0GN W5AL	406 AK3E K6FG K8EB N4UFO	394 AA5JF K6RO
448 KP4AJ W3LPL	436 N9FN W3TC WB8ART	418 NZ3M	405 AA4SC K3FRK K5CKS NE9U W0MU	393 K1GG K7XC KV7N WR7X
447 AH0U KS7S N2NL N4SC	435 KF6A	417 NJ6D	404 N2ZX VE4EAR W5SUM	392 AB4SF AF4HX W6OMF
446 K1HTV K6EID N8YO WB8ZBT	434 K1SIX VE3LYC	416 K4RWP K7ND KO4MA NI0P	403 NH6T/W4	391 AD5A W4AVY W6TMD
445 K4XP KU7Z N4LR WA1EAZ	432 K6GXO N6KK	415 K7AWB W0GJ	402 K3FM	390 KZ2I W7FI
444 N7BAV W9WO	431 K0TLM	414 AA1ON K0DEQ N0GZ W4TV	401 K4CKS	389 W5MO
443 AB4IQ K5XI N4MM	430 K1TEO	413 AE5FM WA9LFO	400 K2TER KT8O VE2XK 6M FN07PJW0JRP W3UUM	388 K0IP W4WRL
442 AG9S N2QT N4TL	429 K4ZOT K8ZR WA5JCI	412 N9EAT	399 NN4R	387 AC9DX KV4T N0FJP N4CH
441 K8TB K9KLD	428 K9APW	411 KB0V KE7SW KE8KMX KI8G N4HN	398 N8IEZ W1NG	386 KF9UG N7IJ W5TFW W7AH WE4S
440 W2IRT	427 W0RH	409 N1EVK N5SYV	397 KE4TH KI0E	385 K7XB NK1K

VE6MB W4WTA	NK0S WA6BYA	359 AA4FF	344 K6FW KB0PE W1OW	W9GKA WA7PDC
384 K8ROK N2WK	370 K5TN KN4SM KS4YT N3MK NT0V W4FC	358 K5RLA N8LRG	343 K5EK N3RC N6KZ N8HRZ	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC WB5TOI
382 K5PI VE3YXO		357 K4LVV		
381 AG4W W3VZ	369 KF8UN N2DPF W8LMG	356 K7PT	341 KD7DCR NX7U WA7YAZ	
380 K7MCX NE6I WA5LFD	368 K0DD W5RCI W6GMT	355 KD5XB N3AIU (DM45)	340 N0AN	333 AA4LR K0TC KK0DX KM4HI N0IGZ W3GQ
379 AB9BH N8WNA	367 KC4HW W7Yaq	354 NU6S	339 KE4BKL VA7FC W5VAS WB0OQV	332 AA7UN N4JDB N7KDT VA3IKE W9GM
378 AB4EJ KR4BD	366 KG8P KI7JA	353 AF2K K0CS WA9PWP	338 N9JR NA5Z VE3SXE W9XA WA5KBH	331 K1GJQ K8WDA KC0UDO N4MW W3TI
377 AB1OC NT9E	365 K4JJW KG7CW	352 VE3DS W0KKK W1DYJ XE2ML	337 K8ZES W9EWZ WA5RT WW0E	330 KB8MBC KG6AY W8PI
376 K8GI K8VFV N3OC	364 AB5EB K0RAR K6EME N6QQ	351 AA4FL	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3XN WO9S	329 AA1QD N2JJ W2OR W8WG W9DCT WB4KTF WX4G
375 K6QG WB4OQX	363 W4NH	350 KB1EFS N6VI		
374 K0TT KV7K N6GP N7DB NY1V	362 W1JR WA5OLT	349 KA0BAD	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KM3V KN4NN W4ER	328 K6ME N5PT W2CNS W7IMC WB3LHD
373 K4SSO	361 K8BL K9NR N1KDO N8KOL NG4C	348 N1JFU NJ7G		327 KJ5RC
372 JA7QVI	360 K6UM (CN85) W0NOZ	347 W2HRO		
371 AA4ZZ N3PS		346 N9XG W8OP		
		345 AA8SW VE7BV W3XY XE2YWH		

N0YO	W3HDH	WV9L	296	WA4NVM
N2ZZ			K4XR	
W2JU	316	305	K6YUI	285
W7YA	K3FN	K3VAT	KC7RW	AB0S
326	KA0ABA	K6UM (CM88)		K5CZD
K2ZD	W4UCK	KT1J	295	K9UO
K5KEW	W9BWR	WA9M	KE4P	NS7K
K6LMN			N6AR	
K6TDI	315	304	N7NT	284
NG7M	K5VH	K6IPF	XE1YY	AB0RX
W7JLC	NY2NY	NS4T		K0KP
WF7T	XE1AO	WA0GUD	294	K4DET
			K2UU	NJ2F (EL96)
325	314	303	K6JSV	
WA2AEY	KU4XO	EA8DBM		283
WX0Z		K8TGC	293	N5OHL
	313	K8TL	K3AX	WA0FQK
324	JE1BMJ	N7LAN	K4KJZ	WB0CQO
HC2FG	N6NR		KL7HBK	
K9SH	N7UVH	302	N4JJ	282
KU4A	NF4A	JG1TSG	N4MI	AA0ZP
N2BJ	W4GLV	KB2TGU	W2GKR	K5TA
VE3TMG	W5RKN	N3KN	W4VC	N8JCM
W4MAY			WA2IIE	W4WM
	312	301		
	AF6O	N0HJZ	292	281
323	KA2GOJ	W7IB	KJ6P	AA8MA
K1ST		W9OBG	W1SSN	JR1LZK
N8II	311	WB0TVY		K4OY
W8KEN	AC9S		291	NL7CO
WO2T	DK8NE	300	KS4S	W2YE
	KM3T	AA4V	W1WHL	
322	KS4XQ	K0PHP	W2CCC	280
K0CAO	W2BZY	K0SRL		N0KV
N3ALN	W5DB	KB6VFC	290	NM5Z
VA6SZ		N1RR	WA8EFK	W1FKF
	310	WA2BAH		
321	N1NK	WX2S	289	279
N0LD	W9KVR		K2BLA	N3JPU
NC7B	WO4DX	299	K4MM	W0VHF (EL87)
NS4C		KX7L	K9FA	W8GJ
W9VA	309	VE6WK	N5BCA	XE1FAS
	AA9RR	W1LE	N7RO	
320	WA8ZID	W8UV	NQ7G	278
K7LOL		WB5GVY	W3SW	AA9D
N4DW	308		W4LTJ	AJ4W
	WA4HFN	298		K3JT
319		K0MLD	288	K3WA
KF2T	307	K0PG	K1NU	N0LNO
N7US	AG1A	KD4WSC	W1DU	N8BJQ
	KE5K	N4IQ	W4HLR	NN1N
318	W3ATV			
W4HY	W9RPM	297	287	277
		KG5EIU	K8DP	AC7JM
317	306	N8YQX	KC7MRQ	PV8DX
KA8SYV	K4QE	N9LF	N8CGY	
W1SKU	KE8Y		W7CT	

276 HC1BI K2CS K5TWJ K7TAB KD8JSP W9OO	W0KAN WB9PNU	259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA	NN4RR VE6NTT	243 JA1QJI K3TC W4EJ YV1DIG
275 K1MAA K2NJ N4GG VE6TA (DO33) W0FK	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	258 AB5GU K1NJ K2HAT NA2NY WB7ECS	251 AD5JK K9QJ KG7NV NA5DX NN4SS W2LV	242 IT9IPQ K3WW KA3TCC VE3SMA
274 KB1DMX WA8MCD	266 K1OA K1WVX TG9AJR VE3MSC WB8EJN	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB W0PPA WA2HFI/O	250 AA9LC KS9J N5PA NW6R	241 N6NU W5LO
273 KM4H KV1J VE6SH	265 N5KS	256 JM1IGJ KL7NW N8ZJN	249 CT1IUA K8AO KQ5U N1GC N5SMQ	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL
272 KF8QL KO4PRE N4SV	264 AC8L K4JAF N0TK NF1O	255 K8MVZ KG4JPL W4HFZ WA8KNE	248 K1ZZ W6VFA	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD
271 K7NII KB7FUV KL0S W3HHN	263 AK4PR K9AAA WB7QBS	254 KG9Z N4GBK N5SIX N7QOZ NR0Q VE3OTL WD5ITW	247 JA1UAV N5DD W3TEF	238 AA3GM JP1LRT
270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT W7JY WZ9B	262 K3CWH K5VR N4ST ND4DX WA0KBZ	253 F4BKV KG4ERR N2XQM	246 K0DAS K8YC KK8X N5TIT W4FRA WI7P	237 K3KO
269 K2IE K3ZO KD5R N5EPA N5WD VA2CY	261 AF2F K3TWK KB8UUZ N3EW W6TCP W9TA	252 AB5A CT1EEB K1ACL K3NK N9ATF	245 AE4WG N1IA N3XF VA3CW	236 K0SU K4NK N3FTI N9ATD W5AJX
268 K6OJ KI0HA N9ZTS	260 K6JAD K9MQ N6HC NT7C W3DF XE1YD		244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W
				234 KE6FCT

233 K1AFC N9NJS VE7VZ W8PAT W9TD XE1L	NM5S W0VX W8RD WQ6Q	217 ND4V W4DEE	209 AA4IB W5WGF WA4NFO XE2N	202 K1BZ K5GJR WC7X WF8Z WQ5W
232 K5FO KK8MM N9NJY WA2OTC	225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	216 K7RB N0IS N6PM NE1F W1AW W5RWF	208 AI2N CO8DM KD5HIO PV8ABC	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ
231 AI9L K4MIJ K6HEW KF6GYM W9XT	224 JA8ISU NJ8J	215 AL7OC K2SX KI5FJ N2YU N6KW	207 K6US N1BCL N8NJA	
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	200 4A2MAX K4YJ K6ZZ LU4FW N5AO N7PHY N9AG VA3VU
229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX W5LUA	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	213 K3DFL KI6X W0NBC		199 N3KFV W4OEP WB0YEA
228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	212 AB5C JF8QNF JR3REX K3EA KF7NN N1SV N2OA	205 AF4OD K8SD KE4HOA N5ITO W1MJC W8QID	198 AC8TO JR2HCB N0UK N7EPD W8DM WA7KYM
227 K3HPA K8ZT K9TF KS9A W4KXY XE1GLL	220 K7BTW N7XCZ	211 K9FOH NE8S W2ZDP W5HNK W6AER W6KAP	204 KO0Z LU2DX WA3DRC	197 K3EGE N4BAF W3TW W5CTV
226 AF5WN GD0TEP N7CNH N8UR	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	203 K0VSV K5HYT K5LOW N0HF N8SYF NX0I W1RM W3SZ W9GFB W9VOB WA1KPD	196 K0AIZ K0NR KD3HN N5DUW W2AMR XE2ED XE2W
	218 K1XH K4IJQ K5HPT KB8KVJ KC0VDY NA5C			195 AA4W

K2WJ K6VDP KG6WIK	WX9M	NY0A W4RBO W9BS WJ1B	WW2R	168 KG5ZMQ W2PD W8WEJ
194 4O3A K2MRK N3FA N9NFT WF1H WK8A	187 AA8R K0JDD KC5N KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 PV8BR	167 K4MQG KB1YNT KB9REV KE5EP N0NHW N8XE NO0T NA2NY (ex-NA1VT)TG9ADQ W1BAT
193 K9AB KD2NF KF6XA	186 K8PT K9SG KN7K N0XLR N6ZE	179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	174 K3MD K6WRL KC0IYT KC6ZWT KG7P KU0A N1MGO NA6O W3SO WA2PNI	166 JA1OVD KC2GHT N5VU NC4RY VA3WEB WB4KXS
192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT XE1R	178 KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	173 K2ZZ K5YPV KE4SCY	165 K4DXT KD5HPT W0RIC
191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q I0WTD K0DEW KR4M N1IBM N3FX N4BG	177 AG4ZE K2QQ KI4BWW N2ZA NY4I SM7FJE W5ZG WA8UEG	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F
190 K5DB K5ER KC2DLD KN4PPD N9UA W1ATV W2OO W4GE WB0DBS	183 K5RQ N0UBL W2UDT WC4H	176 AD5ZA EA5BY K0DI K6ZZ (EM78) KX9X N5QGH N9ARX NP4BM W5AFD WA5IPS	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX W6IA WA2KBZ	163 K2JF K2YSY N5XZ
189 KC0MEA WA5VKS	182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I W9JJ XE1CL		170 K9TVG N8CN NA2U W4IHI W4JKC WK3V	162 AF4GK K0QB KA1R KD4TDI OE6IMD W9JJB W9VS WA1Z WB0WAO
188 AD7KI KD4HLG W4AZR WA7VHF WU9Q	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF N9MSG		169 K6XC KD5OMJ N2BEG N5XES VE3HHT W8KNO	161 K0KVR K4EA

KB3CWQ KK9M N2YBB V44KAI VE3LC W4HOG WA1LAD	NZ6N W3ZQN	147 AF6AV IZ1LBG K6PSP KC1BUF N8IK VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	WA5TKU WS4V	N5JGK SM7AED
160 AB1QB JA1AFR K5IQ WL7OU	153 AA4NC AB4GG K7AD K7ZD N1OFZ N2ADV N2WM N6DHZ W3DQS W5FI W9DHI W9ILY WB5ZAM	146 AC0W HB9EFK K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	141 JA6RJK K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WR7AY	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV 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 KI0D N2CG	151 W1ZT W2DXE	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI YV4NN	139 KC7JPC KM2O KU0G N7T NA2AA TF3JB 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			
156 IZ8FFA K2KJ K9OHI N3RN N9KO VE7VDX	149 AB6CF K4SAN KK9H W3UA WB4VHF	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 W15D WW7Q XE2O
155 CT1BWU K3TD K6XN N5RMS N7AU N9OBE TG9ANF VA3NQ WV8DX	148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N1TOR N5ZBI PV8AJ W5DM W6VNQ (CM88) WB6RAB	142 NA2X NC4VA W5SWV	137 N1SZ	132 AB3CV IC8TEM K5VG KW4G N4PPH N7TP

NE1I	K8OS	W8KHP	W7QQ	NF8M
VE3TM	KB3OZC	WA8WV	WI4T	VE1WOW
WN6K	KB9TLV	WB2RVX	WM9M	VE3IRR
131	KC0RQH	122	118	W2JLK
JA3LZS	N6UTC	K7AED	J68AS	W2ZQ
JR1BAS	VE2JWH	K7OGW	K4AZV	W4ALF
K3NAT	W1FLD	KA9JAC	KA4LBD	W4UFO
KG9R	WA6BIL	KB4UF	KF6MXK	W5DWA
KT3X	126	KB5WFE	KI7BP	WO2C
N2CJ	KJ7G	KC5UGX	KT8X	WX4US
130	N0BDS	N5HYV	N1QDQ	113
AB0X	N7DGI	VE6PY	N3JNX	AB4PM
K0GUR	WB4HUC	VE7JAC	N5EIL	AD5MD
K4JKB	YL2AO	WD0GTY	W2AC / WB2ABK	HB9BZA
K8LG	125	121	W2AC/WB2ABK	K3DQB
KC4NX	AA7DK	AE1P	WB2KSK	KD4BPZ
NG9R	K3PU	K0MFI	117	KD6VCD
NO8D	KC5DRI	K4HBI	AB5J	KM5OL
VE1DX	W2AJM	KB2WAL	K4WS	N3JDQ
VE2TZT	W3UQH	KB5MH	N4USG	N4YCI
W0PHX	W4DFU	KE4JFS	N5JEH*	N5YK
W2LES	WA6POZ	NE0P/9	N5LPT	W0BM
W3FEY	WB4OMM	UR0MC	NA7L	W8MSP
W4DWS	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
	W8BI	W4SW		KP4JRS

KQ4LA	106	N0STP	VE7ZD	KF0Q
KX5U	K0MEI	N1LDY	W4RVZ	KG5X
N5TIF	K5BJW	N2FBQ	W5DPT	KJ5OA
N5YM	K7BWH	N3UPS	W5OV	N3TBB
W7JET	K7JE	N7AGF	W7UT	N4NIA
W7UP	KB0TIJ	NJ1H	W9NFL	N5RZK
	KC7ICM	VE2PIJ	WA4IOB	N5XTR
109	KE5JXC	W1TE	WA8EQP	N7EME
AK6ZZ	KJ6MBW	W1ZE	WB5FDP	N8COP
IW1ARB	KK2DOG	W4KVS		N8XS
K2DSW	N0RQ	W6ZQ	101	VP2MRM
K2JGL	N1USB	W9EBK	AE7V	W2CH
K2OO	N2IPH	W9MDB	AI5WW	W4/KL7GLL
K5DNL	N4CE	WB2VUO	K0IN	W4OZK
K9GY	N5FPW	WB8BZK/VE3	K0SBV	W8BZY
KE6GLA	N5YHF		K0WJ	W9DQ
KJ6CA	N8HM	103	K2NUD	WA5TLP
KZ7N	N9XMU	AA5CK	K5DWI	WV9E
N8TMW	VA3OKG	AB0YM	K5HX	
N9TTX	VE3AJY	AB5SS	K7SYS	99
VE3AAQ	WB6VYH	K2OY	KB1JDX	AB0SD
W0YJT	WQ9F	K4MVL	KB4KBS	AB3TM
W1OP		K8ZEE	KC6AWX	K0YO
W4ZRZ	105	KA1W	KC8CSD	K4KEW
W5MPC/1	AC4Q	KB0FHP	KG8WB	K4WQ
W7RJR	DS4EOI	KB2SGX	KG9IL	K4ZO
WB6YIY	K4SJA	KC9FFV	KL2R	K5VPQ
WB9W	K9MAL	KF0AIJ	KR4WM	K7DD
	KB3JGS	KF4DVG	KR7LD	K7PAP
108	KC0JYT	KR4NO	N1IX	K9ZZE
CF3VRQ	KC4KK	N0YXE	N4AOE	KA0ZEE
JA9IPF	KF4DGS	N1JIF	N8VEA	KC2IEB
JP7EIP	KJ7TH	NF6P	N9DVS	KC6X
K5OPB	N4NQY	NN2D	ON9CMR/W0	KD4MWO
K7MDL	N5SAN	VE7DXG	VA2LGQ	KD6RUH
N3MWQ	N7YY	W0TF	W4LLP	KG9AP
VE3SUB	NE9O	W3LEO	W5KBD	KR4UA
VE7IG	PU4JOE	W6IT	W7ISG	M5MYH
VY2RU	VE3VRQ	W6XU	WB8IMY	N4FV
W4AMP	W8MIL	XE1RBV	WD5IYT	N7HRT
W4CRN	W9RVG			N7JPF
W5AAJ	WA4MYO	102	100	N7TE
W8EH		AA9MY	AC0FT	N8GHZ
W9VNE	104	AB8JH	AI2S	N8YV
	AB9YC	AD6KH	AI9U	N9MKC
107	AC5K	K0HAQ	K2UA	NB5R
JA3EGE	AC5RN	K3HW	K4UQC	NH6CJ
K5UIC	AC9QR	K9AM	K5GM	NI5W
KF7PG	IK4DRY	KA3ZLS	K5KV	NS2P
KI9A	K5PPP	KB8CR	K8IJ	VE2HAY
KK4LUM	KB9RNO	KC6WFS	K9CC	W2HOG
N3TTT	KC1LXO	KC8DMN	KB9ZLB	W2VU
N9OI	KC2TR	KD8NYO	KC2HLI	W5JLC
NF0T	KD9GKL	KE1AU	KC8CC	W6TJU
US0KW	KJ7OG	KJ4M	KC9CMT	WA5TRX
W2TTT	KM6WXB	KR5V	KD3SW	WB5NHX
WB4PPW	KO4LZ	N1HOQ	KE5CVM	WB7VVD

WK5X	KT5WB	W4KK	AD1DX	AI8F
WW2R (EL09)	N1VMJ	W4TMR	AK8CW	K0IW
	N3UMA	W7JHS	HK4SAN	K1PTF
98	N4BH	WA3EEC	K0ARM	K1ZK
AC2RL	N6MA	WB0M	K3BEE	K2AK
AD8Y	N9APK	WB5KJE	K3TUF	K2MTS
K0KC	N9IO	WP4LNY	K4JRK	K4DAM
K0UD	N9KY		K4LDC	K5TRI
K3IXD	NK7C	95	K4NNX	K6RM
K3QIA	NU0Y	AB9AI	K8GT	K7IP
K4OP	NV3K	AE0G	K9DOG	K7TRK
K5HOB	VA3FIN	AE5EO	K9SUL	KB0USF
KA1EKR	W3QT	IK8YTA	KA2F	KC5TGT
KE4LGL	W4CWA	K1PNQ	KA9UVY	KC5TT
KG4YOU	W4DAS	K4ED	KB4YKC	KC9TTR
KG7E	W4ID	K8BB	KB7AK	KC9UL
KJ2G	W7DN	K8KFJ	KC0AUY	KD0QG
KK0CQ	WA6OSX	K8ME	KC3AK	KE6AZX
KY0Q	WA9LEY	K8VD	KD4VRZ	KE6UMW
N0JJQ	WB8RVK	KD7WH	KE3WM	KE8RPJ
N1JHJ	WB8ZTV	KD8DR	KF0LA	KE9V
N3LRP	WE8L	KD9ZR	KG4NLZ	KI0J
N5TEY		KI0SK	KU4JZ	KK7MNC
N8AID	96	KW9U	KV3W	N2BX
NO5X	AD5OW	N1XK	N0LNE	N2YTF
NO8R	AE4TQ	N2SLO	N0LP	N3AO
VA3VF	AK4F	N2WLS	N2SU	N3ZBK
VE4XTZ	K2CK	N3WAV	N3JBH	N4GOA
W2KRP	K2UF	N4ET	N3XBG	N4YHC
W6TE	K2UNK	N5BLY	N3YUG	N7EGY
WA2FGK	K4EQH	N5ENU	N5ZMP	N7JI
WA3TLT	K5CRJ	N5KI	N6HY	N7KSI
WB1GQR	K8EMR	N9IV	N6MXU	NA9D
WB2YDS	K9OT	N9LJX	N7NH	VA3JFF
WD0E	KA2NDX	OE9KFV	N7UN	VA7QI
WH6LR	KA3HED	PY2KP	N8WWM	VE3WMD
WT5H	KB5GI	VA3KS	N9DD	VK5PJ
WV5Y	KB8PNS	VA3PZ	N9UNX	W0MHK
	KC0HBP	VE3KZ	VA3MA	W2VTV
97	KD6PY	VE3SPW	VE3RX	W3ZGD
AB8M	KI5TE	W4YZJ	VE5MX	W4VG
AJ9C	KM5NU	W5ADA	VE7AB	W5DMT
K0HB	KR4EE	W5CBF	W2GR	W7EIR
K0JQZ	KS4V	W5RCQ	W3IPA	W7TRX
K0QEI	KT5RR	W7JWC	W3TA	W9IFW
K0SH	N0WVU	W9SX	W4LNG	W9NED
K0YQ	N2LID	WA2ONK	W5ODD	W9WI
K3HZO (FN20)	N2VHZ	WA3I	W5PUF	WA5ICA
K4GTR	N2XK	WA4WR	W7NX	WB5CON
K4JQU	N8PAQ	WB2SIH	WA7LHZ	
K8XF	N8YBY	WD8DOT	WA9BXB	92
KA2BSK	NT2A	WS4S	WT9U	K1EY
KA7EII	NW5Q	XE2AT	WV7S	K5GDX
KC0YBM	NY2Z			K5TDA
KD5CKP	VE2DCP	94	93	K7FU
KF4KSN	W1HMM	AA4RP	AG2A	K7HKR
KM4NYI	W3VHF	AB4VT	AG6CV	K7UWR

KB0PQP	N8DEZ	K5CX	N4UC	85
KC4JNW	NR4J	K5JAZ	N5VBK	AC3KE
KD4QMY	NU4N	KA0MWA	NS3X	AC9GK
KE4WBO	VA2BBW	KF4TVL	NT4TN	EI3IO
KG4URP	W2SUB	KI0G	VE2VLJ	K1UU
KR7X	W4MLN	KI4FW	W2BZR	K4LRP
N2SG	W5KDA	KI4US	W3YX	K5MJP
N3GH	WB0NRV	KR4U	W4DL	KB3MXK
N4VN	WB7X	N2GZ	W4RXR	KC0V
N5QO	WC4V	N5KAE	W7HDD	KE4DRF
N6FD	XE1GZU	N8YSZ	WA2BTR	KK4AND
N6RPM		N9RG	WA5MD	N2RJ
N7DED	90	N9UDX	WK3N	N4LS
NS6E	AA0LM	NE2U	WV8O	NJ1Q
UT5JAJ	AB4WL	VE3VCF	XE1SOV	VE3GFN
W1PV	AB9DU	W0HRO		VE7DAY
W2ACY	AF5BG	W1HY	87	W1WV
W2CVW	DL1SMA	W2JEK	AC0A	W3STU
W3ACO	JH4JNG	W2OK	AG4I	W4IT
W3GP	K1HC	W4ZMM	K4JC	W4RA
W3HZU	K1KA	W6VNQ	K5UZ	W6ST
W4BP	K3CWF	W9HT	K5WO	W7SIR
W4LIA	K3UAL	WA7SDI	KB1VUN	W8DQ
W6NS	K4AAP	WB3IAL	KC8NAH	W9QY
W8JV	K4FTP	WM6Y	KE6WOX	WA4WKL
W9HBH	K4XZ	WQ5C	KI6RRD	WD4LSS
WA3JKB	K6UIP	WR5AY	N0ELA	WF4R
WA4EEZ	K8EAB	XE2NL	N2CJN	
WM3O	KA5TJI	XE3DX	NE5S	84
	KB5FHK		NI5F	CT3FT
91	KB7BSA	88	NN7RM	K4EZY
AA0CW	KK4DZP	AA4QE	W8GOC	KE6NDG
AD3Y	KW3DX	AE0DX	WB3IGR	N1KI
CO2WZ	N2ULL	AE4OF	WB8JAY	N2NWS
K1UR	N4BRF	AF4MI	WF4W	VE2WBK
K4SPA	N5BA	K1RS		W8PU
K6YK	N9JJ	K3TN	86	W8SGR
K7HPN	VA3XOV	K4XD	AG1T	ZS6NK
K8OI	W9CPV	K7CTV	K7FB	
KB2YWU	W9CSY	K7WV	KA9OKH	83
KB3IAI	WA2BEV	K7ZYV	KB7JJG	AA6E
KB3NDS	WA8OJR	K9JF	KI6HQT	DL5XJ
KB7AZ	WD9HCF	KB2KIR	KN4MMH	K1LH
KC5POV	WE7H	KC1GWX	KP4TB	K4SQC
KC8LGL	WEST SEATTLE AND KCBUR	KC3BUL	KT1R	K6JJ
KE1IU	WH6LE	KE8UM	N2NF	K8SIA
KE7RTB	WM7C	KI2D	N3MVF	KB3HHA
KG4QWC	WT4C	KI4RFM	N8TFD	KB9LIE
KI3O	XE3/K5ENS	KJ4KW	NZ3O	KK7BV
KI5BLU		KU4S	SV1RK	KU4WW
KM7N	89	N0OK	VA3MDB	N5PD
KM9I	AB1TZ	N1CEO	VA7LM	N6KTH
KQ6K	AG2AA	N2MKT	VE7IRU	SV2AEL
N3PPH	AG7NR	N2ZN	W8IW	TG9AKH
N3WCM	G4NBS	N4CAG	WA1PMA	W7USB
N6DW	JQ1TIV	N4GN	WB4GCS	WD6T
N7CZ	K4BMM	N4KIN	XE2AU	WD9IOK

WI6Z XE1MM	78 IZ8EDJ K2QPN SP5QWB TG9AWS W4NE	WC5M	US5WE	47 HB9RYZ JE1VTZ N6PAZ XE2X
82 AD4IE CB0ZA K3RJK K4JMX KA5WSS KC5YKX KG4KVZ N1SF PU8TEP W5DAS W7YOZ W8GG WA2ONG	77 K1IFJ MI0AYR	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	60 HB9BIN IZ4DPV KP4JFR S55DX UR9QQ	46 HB9RUZ
	76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	69 K3WGR W1YM WD4LBR YL2JZ	58 KC6NBI SV8CS WA2MUA	45 JA6WJL K4TXJ
81 AB4I DF3CB KE4DZU N6MM N7NEV NI4Y W3MC WA4ZXV WA8ZNC XE1EE	75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL W4LVH W5UC WP4NEG ZL3AAU	68 AA4S EH7CD K6CF KJ7TEA	57 IK1ZOF JL1UXH JL3MCM N5LJL WD5GRW	44 WO3T XE2YWH/1
80 AC6BW G4FKA K7FR KE4PT KR4Q KW1DX N2NS VY2HF W2DEN W5TTY W7AM	74 AK8B CX4AAJ HB9ALO KF2TI LU4FPZ VE6SO VK4CZ WC6DX	67 JG2TSL KF4JHG W7YED	56 KI5WA LU8ADX NI6T	43 8P6SH CT1EEN K4ZIN
79 K4RW K5JBT KB4DSL KP4N N2COP N5YJZ N9RC VE3CFK W2GW W2SKI WN0L	73 JF1IRW VP2MJD W4WT	66 K6KLY KK4YEL UX1UA	55 LA3MHA SP5APW WA2EMF	42 W0PR
	72 N4II PV8ADI	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	54 AG4KI	41 E75AA LA6OP
	71 K0GW K4GK K5WPN NP4TT W2YR W3FGP	64 K3BQ WD5GRW (EM13QO)	53 K0BBC PP1CZ	40 HA5PT JF1LMB JR0QFA WB8TGY
		63 EA1DR HL2EIZ KB0RFY	51 CT1ETE N8OFS OH4UI OE9FCP	39 AA5PK
		62 K4DXA N6ZDH	50 N8MR	38 DD3KF DG7RO DU1EV K8YSE
		61 CU3AN K4MLB N0GVK	48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA	37 BA7NQ HL4CJG JA9APS JH9DRL OE3SGU
				36 JA1WSK
				35 GI4OWA LU9DO

UR5WA	23 GM4ILS K4SLC KP4EIT W8MK	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	JA1MZL JA2FGL JE1LFX KD3UY S51NM	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS GM4KHE IV3GOW JH7IMX JH7IPR JK6DXD UT5EL VK4ZP XE1SAX
34 G4SEU JL3LSF LA2QM	22 9H1SP IZ3ENH		8 DK2LO G1VDP JA1CPU JE3PCP JJ2NWI N8RO OH8LXT	
33 W8GC WB4SON WB8TGY (EN72)	21 EA1YN	13 K4AKX K4WY PY2MC W4PWF		
32 DM2RM N3LRH SM6WET ZL3TE	20 CX1FK I1FQH JM1KVV N1WC PY5EW W8LR	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	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	19 DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHJ PY2DV PY2GM	6 CT2FEY DL1TRK DU0A EI2JC JA7NGE JG1JPE PY2VA	
30 E72X JO7WXN WA6DNR	18 AJ6V HL4GAV KJ4EU W0HBH	10 DL4CF HB9BOS JH8RZJ JI2UDK KA5WRG PA5KT SV2DCD TF3Y UR7DWW	5 DL5LH EA1AAA EA7ZY G6MXL IK8GYS JI5USJ JJ1IDW KB8VAO M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ	2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF3VG DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI
29 HL2WA OE4VIE	17 G3LZQ PY2XAT SP5XMU SV8CKM W0JM			
28 CT8/K0RUI JA6CRP K0FMI OH3DP	16 N6VHF TI2CDA			
27 E70A KC9ELU WP4NIX	15 9K2BM EI2GLB HB9FMN HB9HIT JE2UFF LU5FF PY2RN UT3UA WC2C			
26 DS4AOW WB7QXU				
25 EA4/K1WE				
24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO				

GI4ONL	MM0INH
IK1IYU	OK1UU
IK2GOQ	ON6NA
IZ8XQC	OZ1IKY
JA6AVT	PU5SVE
JA6SZV	SM3GBA
JA9FAI	SM6LPG
JH3MHI	SP7EXY
JP1HDK	SQ5NRY
K4KZM	UN8G
K7LY	UR5EDX
KEN IN NEBRASKA	VR2VGM
LA2CQ	WB7VUF
OH3KAV	YO8WW
SV1XV	
SV3FUO	
YB2DX	
YL2KF	

1

3A2MW
 9A2EY
 AJ6T (EM66)
 BD4UJ
 CT1AHU
 DH8BQA
 DJ3ZF
 DL2DCX
 DL4ZAB
 DL8GAM
 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