

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 Aug 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	W0JW	485	477	KB9OWD
AA0MZ	W0LGQ	K1USA	N5KO	W0RH
AA5AM	W3CP	K9MU	N7ZO	
AA5C	W4UDH	N0POH	NC6K	463
AA7A	W5ADD	W5VY	W6XK	NI0G
AI5I	W5AFY			W5XC
K0GU	W5AJ	484	474	
K0TPP	W5EME	AD6D	K7KQA	462
K1TO	W5FF	AF5CC		N6ORB
K1TOL	W5KI	AI1K	473	
K4PI	W5OZI	N5WS	NQ7R	461
K4XO	W5TRL	WQ0P	WB0O	N4JQQ
K5RK	W7GJ			NA9RB
K5UR	W7JW	483	472	
K5WE	W7KNT	AC0RA	KB7ME	460
K7BG	W7MEM	W0VTT	WD8JJA	K5OMC
K7CW	W9FF	WA7HQD	WE9R	K8ZM
K7ULS	W9JN	WB0ULX		KF0M
K8SIX	W9RM		470	W3UR
K9CT	W9XX	482	K5RT	
KA9CFD	WD5K	K0BJ	N4SIX	458
KA9FOX	WQ5S		WO7R	K9NW
KD5M	WS9V	481		KG5THG
KG5CCI		KC7QY	469	N9BCA
KM0A	487	N4WW	AJ4F	NA6MG
KM0T	K0SIX	W9VHF	K4MY	NE1B
KO9A	K7MAC		K4SO	
KR7O	K9YY	480		457
KV5W	N0AKC	K5GZR	468	K4HB
N0LL	N7CW	KC7V	VE3EK	N9PGG
N0LWF	N7IR	N4TB		W9WO
N0PB	N9ISN	XE2OR	467	
N0TB	NA6L		NY0V	456
N1AV	W3IP	479		AJ4A
N3SL	XE2CQ	N5EKO	466	N4QS
N3XX		W5WVO	KA0JGH	
N5DG	486	W9RN	KB6NAN	455
N5NA	K5ND	WB9CIF	W5THT	K9MK
N5OMG	KX4R		WX7M	WA9DU
N6JV	KY7M	478		
N7NW	N0KE	AD1C	465	454
N9LB	N7KA	AE5B	XE2K	WB7CJO
N9UM	W5ZN	K6ZH		
ND0B	WD5COV		464	453
W0FY			K3SX	K4YMQ

K6EID K7PI KB9DAK	N4TL NJ6D	425 K6ML	WA9LFO	W3UUM W7Yaq
452 KK4MA N5BO N8YO N9BX	441 K8TB K9KLD	424 N4UFP N9AKR W3EP W5PR WB8BPU	412 VE2XK 6M FN07P	399 NN4R
451 K1HTV K5WBM KD3CQ WA1EAZ XE2X	440 W2IRT	423 W4DR	411 N9EAT	398 N8IEZ W1NG
450 KF8MY N9FN W0MU	439 K4ZOT K8ROX N4QWZ NM5U	422 K0DD VE6WQ WB5JID	410 KB0V KE7SW KI8G	397 AB4EJ KE4TH KI0E W8LMG
449 KF6HI N8OC W8TN	438 N5TJ	421 NE6I	409 N1EVK N5SYV	396 AB4SF AG4W KB8U W7FI WA1NLG
448 K4XP KP4AJ W3LPL WB8ZBT	436 NZ3M W3TC WB8ART	420 AD5A	408 K7SMA W7BA	395 AA5XE K0AZ K5XM KF7CQ NP4EI/W7 WB4EVH
447 AH0U KS7S N2NL N4SC	435 KF6A	419 K7NN W0GN W5AL	407 W4AS W5CIA	394 AA5JF K6RO
445 KG7CW KU7Z N4LR	434 K1SIX VE3LYC	418 N4UFO	406 AK3E K6FG K8EB	393 K7XB K7XC KD5XB KV7N WR7X
444 K4SSO N7BAV	433 KE8KMX	417 N4HN	405 AA4SC K1GG K3FRK K5CKS NE9U	392 AF4HX K5HPT W6OMF
443 AB4IQ K5XI N4MM W3LL	432 K6GXO N6KK WW1L	416 AC9DX K4RWP K7ND KO4MA NI0P	404 N2ZX VE4EAR W5SUM	391 W4AVY W6TMD
442 AG9S N2QT	431 K0TLM	415 K7AWB K8JH ND4X W0GJ	403 K6VHF NH6T/W4 NY1V	390 KZ2I WF7T
	430 AA1ON K1TEO	414 K0DEQ K2TER KM8V N0GZ W4TV	402 K3FM	389 W5MO
	429 K5TA K8ZR WA5JCI	413 AE5FM	401 K4CKS KM3V	
	428 K9APW		400 KT8O W0JRP	
	426 N5OK W5JAY			

388 K0IP W4WRL	375 K6QG WB4OQX	362 W1JR WA5OLT	349 K1GJQ KA0BAD	337 K8ZES W9EWZ WA5RT WW0E
387 KV4T N0FJP N4CH	374 K0TT KV7K N6GP N7DB	361 K8BL K9NR KB1EFS N1KDO N8KOL NG4C W4ER	348 N1JFU NJ7G	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3XN WO9S
386 KF9UG N7IJ W5TFW W7AH WE4S	372 JA7QVI	360 K6UM (CN85) W0NOZ	347 W2HRO	
385 NK1K VE6MB W4WTA	371 AA4ZZ N3PS WA6BYA	359 AA4FF K0CAO	346 N9XG	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA
384 K8ROK N2WK	370 K5TN KG8P KN4SM KS4YT N3MK NT0V W4FC	358 K5RLA	345 AA8SW W3XY XE2YWH	
382 K5PI VE3YXO	369 KF8UN N2DPF	357 K4LVV WA9PWP	344 K6FW KB0PE W1OW	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC W3ATV WB5TOI
381 W3VZ	368 N4JP W5RCI W6GMT	356 K7PT	343 K5EK KK0DX N3RC N6KZ N8HRZ	
380 K7MCX NK0S W8OP WA5LFD	367 KC4HW	355 AA4FL N3AIU (DM45)	341 KD7DCR NX7U WA7YAZ	333 AA4LR K0TC KM4HI N0IGZ W3GQ XE1YY
379 AB9BH N8WNA	366 KI7JA	354 NU6S	340 K0JDD K1ST N0AN WA9M	
378 KR4BD	365 K4JJW K6EME WA7PDC	353 AF2K K0CS	339 KE4BKL N2ZZ VA7FC W5VAS WB0OQV	332 AA7UN N4JDB N7KDT VA3IKE W9GM
377 AB1OC N8LRG NT9E	364 AB5EB K0RAR K5KEW N6QQ	352 K7LOL VE3DS W0KKK W1DYJ XE2ML	338 NA5Z VE3SXE W4MAY W9XA WA5KBH	331 K0SRL K8WDA KC0UDO N4MW W3TI
376 K8GI K8VFV N3OC N9JR	363 VE7BV W4NH	351 W7IMC		
		350 N6VI WB4KTF		

330 KB8MBC KG6AY W8PI	N7RO NC7B NS4C W9VA	310 N1NK W9KVR WO4DX	WX2S	289 K2BLA K4MM K9FA N5BCA NQ7G W3SW W4LTJ
329 AA1QD N2JJ W2OR W8WG W9DCT WX4G	320 N4DW	309 AA9RR	299 KX7L VE6WK W1LE W8UV WB5GVY	
328 K6ME N5PT W2CNS WB3LHD	319 N7US	308 WA4HFN	298 K0MLD KD4WSC KK8MM N4IQ W0JM	288 K1NU W1DU W4HLR
327 KJ5RC N0YO W2JU W7YA	318 W4HY	307 AG1A KE5K KS4S W9RPM	297 KG5EIU N8YQX N9LF	287 K8DP KC7MRQ N8CGY W7CT WA4NVM
326 K2ZD K6LMN K6TDI NG7M W3HDH W7JLC	317 KA8SYV W1SKU	306 K4QE KE8Y KL7HBK WV9L	296 K4XR K6YUI KC7RW	285 AB0S K5CZD K9UO NS7K
325 KF2T WA2AEY WX0Z	316 DK8NE K3FN KA0ABA W4UCK W9BWR	305 K3VAT K6UM (CM88) KT1J N4SV	295 KE4P N6AR N7NT	284 AB0RX AD4ES K0KP K4DET KL0S NJ2F (EL96)
324 HC2FG K9SH KU4A N2BJ VE3TMG	315 K0PG K5VH KM3T NY2NY WA8ZID XE1AO	304 K6IPF NS4T WA0GUD WA8MCD	294 K6JSV	283 N5OHL NA5DX WA0FQK WB0CQO
323 N8II W8KEN WO2T	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP N8JCM W4WM
322 JG1TSG N3ALN VA6SZ	313 JE1BMJ N6NR N7UVH NF4A W4GLV W5RKN	302 K2UU KB2TGU	292 KJ6P N4ST W1SSN	281 AA8MA JR1LZK K4OY NL7CO W2YE
321 N0LD	312 AF6O K4NNX KA2GOJ N3KN	301 N0HJZ W7IB W9OBG WB0TVY	291 W1WHL W2CCC	280 N0KV NM5Z W1FKF
	311 AC9S KS4XQ W2BZY W5DB	300 AA4V K0PHP KB6VFC N1RR WA2BAH	290 VE6TA (DO33) WA8EFK	

279 N3JPU W0PPA W0VHF (EL87) W8GJ XE1FAS YV1DIG	W4QK W5DNT W7JY WZ9B	262 K3CWH K5VR ND4DX WA0KBZ	W4HFZ WA8KNE	246 K0DAS K8YC KK8X N5TIT W4FRA
278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N	269 K2IE K3ZO KD5R KF6XA N5EPA N5WD VA2CY WI7P	261 AF2F K3TWK KB8UUZ N3EW W6TCP W9TA	254 KG9Z N4GBK N5SIX N7QOZ NR0Q VE3OTL WD5ITW	245 AE4M N1IA N3XF VA3CW
277 AC7JM PV8DX	268 K1DT K6OJ KI0HA N9ZTS W0KAN WB9PNU	260 K6JAD K9MQ N5PA N6HC NT7C W3DF XE1YD	253 F4BKV KG4ERR N2XQM	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD
276 HC1BI K2CS K5TWJ K7TAB KD8JSP W9OO	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA	252 AB5A CT1EEB K1ACL K3NK N9ATF NN4RR VE6NTT	243 JA1QJI K3TC W4EJ
275 K1MAA K2NJ N4GG W0FK	266 K1OA K1WVX K3HPA TG9AJR VE3MSC WB8EJN	258 AB5GU K1NJ K2HAT NA2NY WB7ECS	251 AD5JK AE4WG K9QJ KG7NV NN4SS W2LV	242 IT9IPQ K3WW KA3TCC VE3SMA
274 KB1DMX	265 N5KS	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/O	250 AA9LC KS9J NW6R	241 N6NU W5LO
273 KM4H KV1J VE6SH	264 AC8L K4JAF N0TK N5AO NF1O	256 JM1IGJ KL7NW N8ZJN	249 CT1IUA K8AO KQ5U N1GC N5SMQ	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL
272 KF8QL KO4PRE	263 AK4PR K9AAA WB7QBS	255 K8MVZ KG4JPL	248 K1ZZ W6VFA	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD
271 K7NII KB7FUV W3HHN			247 JA1UAV JM1SZY N5DD W3TEF	238 AA3GM JP1LRT W1MJC
270 K4SPD KC9FQD N2LIV NI3K				

237 K3KO	NN5DX W5LUA	W4IFI W5JMW	N1SV N2OA	W8QID
236 K0SU K4NK N3FTI N9ATD W5AJX	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 K7BTW N7XCZ	211 K9FOH KD3HN NE8S PV8BR W2ZDP W5HNC W6AER W6KAP	204 K0OZ LU2DX WA3DRC
235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W	227 K8ZT K9TF KS9A W4KXY XE1GLL	219 K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	203 K0VSU K5HYT K5LOW N0HF N8SYF NX0I W1RM W3SZ W9GFB W9VOB WA1KPD
234 KE6FCT	226 AF5WN N7CNH N8UR NM5S W0VX W8RD WQ6Q	217 ND4V W4DEE	209 AA4IB W5WGF WA4NFO XE2N	202 K1BZ K5GJR WC7X WF8Z WQ5W
233 K1AFC K3EA N9NJS VE7VZ W8PAT W9TD XE1L	225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	216 K7RB N0IS N6PM NE1F W1AW W5RWF	208 AI2N CO8DM KD5HIO PV8ABC	201 AA7WB KC5FP K09V KR0I NN0K NR2C WA1MKE WA9ASZ
232 K5FO N9NJY W8FIB WA2OTC	224 JA8ISU K2RET NJ8J	215 AL7OC K2SX K9OHI KI5FJ N2YU N6KW	207 K6US N1BCL N8NJA	200 4A2MAX K4YJ K5DB K6ZZ LU4FW N7PHY N9AG VA3VU
231 AI9L K4MIJ K6HEW KF6GYM W9XT	223 K7UA NJ7A	214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ	206 AA9JC AB0CT AK4Y CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	199 N3KFV W4OEP WB0YEA
230 K1ZE KO4MM VA3XJ WB0WAO/8	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	213 K3DFL KI6X W0NBC	205 AF4OD K8SD KE4HOA N5ITO	198 4O3A AC8TO JR2HCB N0UK
229 GD0TEP K6RG KB9RUG KC0VDY KD5IKG KE4UW N4NX	221 K5WMH K6CQR N0PSJ N4ION N5UWY	212 AB5C JF8QNF JR3REX KF7NN		

N7EPD W8DM WA7KYM	190 K5ER KC2DLD KN4PPD N9UA W1ATV W2OO W4GE WB0DBS	W2UDT WC4H	177 AG4ZE K2QQ KI4BWW N2ZA NY4I SM7FJE W5ZG WA8UEG	KC5GSK KC5YCH KI4TZ NS3L W1PX W6IA WA2KBZ
197 I0WTD K3EGE N4BAF W3TW W5CTV	189 AC0W KC0MEA WA5VKS	182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I W9JJ XE1CL	176 AD5ZA EA5BY JA1OVD K0DI K6ZZ (EM78) KX9X N5QGH N9ARX NP4BM W5AFD WA5IPS WW2R	170 K3LL K9TVG N8CN NA2U W0PE W4IH W4JKC WK3V
196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	181 AB9FN K4CMS K5HDE KB8YKR N2WM N3XJX N4DTF N9MSG NY0A W4RBO W9BS WJ1B	169 K6XC KD5OMJ N2BEG N5XES VE3HHT W8KNO	
195 AA4W K2WJ K6VDP KG6WIK	187 AA8R KC5N KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 K3MD NE5TX	168 KG5ZMQ W2PD W8WEJ W9HT
194 K2MRK N3FA N9NFT WF1H WK8A	186 K8PT K9SG KN7K N0XLR N6ZE	179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	174 K6WRL KC0IYT KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI	167 K4MQG KB1YNT KB9REV KE5EP N0NHV NO0T TG9ADQ W1BAT
193 K9AB KD2NF	185 AD6W KD5BQT KU4UC N8XE NA2R PY5CC W3OU W5BPT XE1R	178 HB9EFK KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	173 IC8TEM K2ZZ K5YPV KE4SCY	166 JA3LZS KC2GHT N5VU NA1VT NC4RY VA3WEB WB4KXS
192 AA6AA N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	184 AF5Q K0DEW KR4M N1IBM N3FX N4BG		172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT W0RIC
191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	183 K5RQ N0UBL		171 AA4PB HP2AT	

164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	KB8GC KC2WUF WA7NB	150 KW4BY N9LAH VE3OAT W7APM	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI YV4NN	WA4KXY
163 K2JF K2YSY N5XZ OE6IMD	156 IZ8FFA K2KJ N3RN N9KO VE7VDX	149 AB6CF K4SAN KK9H W3UA WB4VHF	143 K6JBH K9QFR KB8RJS N8URE (FM19) W0HNM W0UHL WB0MMC WM5H	139 KC7JPC KM2O KU0G N7T NA2AA TF3JB W4OV WB2JIL WY0V
162 AF4GK K0QB KA1R KD4TDI W9JJB W9VS WA1Z WB0WAO	155 CT1BWU K3TD K6XN N5RMS N7AU N9OBE TG9ANF VA3NQ WV8DX	148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N1TOR N5ZBI PV8AJ W5DM W6VNI (CM88) WB6RAB	142 NA2X NC4VA W5SWV WA5TKU WS4V	138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH
161 K0KVR K4EA KB3CWQ KK9M N2YBB V44KAI VE3LC W4HOG WA1LAD	154 AE4NT KB9VMW KW4OV NZ6N W3ZQN W4DWS	147 AF6AV IZ1LBG K6PSP KC1BUF N8IK VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	141 JA6RJK K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WR7AY	137 N1SZ N5JGK SM7AED
160 AB1QB JA1AFR K5IQ WL7OU	153 AA4NC AB4GG K7AD K7ZD N1OFZ N2ADV N6DHz W3DQS W5FI W9DHI W9ILY WB5ZAM	146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	140 AC5DK BA4SI CO2WF K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VA3FLF VE3KY W4GPM W4TUN W6DQ	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS
159 G0OIL K4MZ NS7B W1EME W4TTO WB8NUT	152 AA6I N0RC N1NUM NU1T UT7QF WO4G	145 KD7YZ V31MD VA3TTX WA4JA	135 CU3EQ K4MWB K8ZIZ LY3W N4DB W6BXQ WB8BZK WW2DX XE1H	
158 K8CR KI0D N2CG	151 W1ZT W2DXE			134 AB1NS AB4GE AD4TT C6ABB
157 K4FX				

GM4UYE	KC8KSK	PV8AAS	KE4SCY (FM06)	KU5B
KE5FXE	KF4NEF	W1TAM	N3YPJ	N0VR
KF6UFO	KM5LY	W3KN	NR1R	NO0B
N3AIU (DN70)	KM5SC	W6SCQ	VE1JC	W0DHB
N8GOU	N9WBR	W7YM	VE3XK	
W4TKI		W9CDL	WA6RAY	115
WA3WZR	128		WD4OHD	K9AAN
	JR2LJO	123		K9MMS
133	KC7QAG	AC7AF	119	KE6TVM
KA5ETS	KJ6SDF	K9SM	AE5AU	KF0QS
KC1RET	KN4DMN	KB0GT	K0AWU	KF9AF
KE1VT	N1SFE	KB0STN	K1ZN	KM5FA
W0RT	W0WT	KG6DHQ	K2SQS	N7VGO
WI5D	W5ZO	VE3TG	K4MSG	UW5ZM
WW7Q	W8FR	W1HS	K7JIZ	VK9DX
XE2O	WB2WEO	W3DIY	KF7PCL	WA3BZT
		W3SE	KP3V	WC7V
132	127	W4PRZ	KT0P	
AB3CV	AA9RK	W5EWF	KW7N	114
K5VG	K3GYK	W7MHW	N4UPX	AC8HU
KW4G	K7UV	W8BI	W0QC	K3RTU
N4PPH	K8AC	W8KHP	W4SW	KC4GCK
N7TP	K8OS	WA8WV	W7QQ	NF8M
NE1I	KB3OZC	WB2RVX	WI4T	VE1WOW
VE3TM	KB9TLV		WM9M	VE3IRR
WN6K	KC0RQH	122		W2JLK
	N6UTC	K7AED	118	W2ZQ
131	VE2JWH	K7OGW	J68AS	W4ALF
JR1BAS	W1FLD	KA9JAC	K4AZV	W4UFO
K3NAT	WA6BIL	KB4UF	KA4LBD	W5DWA
KG9R		KB5WFE	KF6MXK	WO2C
KT3X	126	KC5UGX	KI7BP	WX4US
N2CJ	KJ7G	N5HYV	KT8X	
	N0BDS	VE6PY	N1QDQ	113
130	N7DGI	VE7JAC	N3JNX	AB4PM
AB0X	WB4HUC	WD0GTY	N5EIL	AD5MD
G4BWP	YL2AO		W2AC / WB2ABK	HB9BZA
K0GUR		121	W2AC/WB2ABK	K3DQB
K4JKB	125	AE1P	WB2KSK	KD4BPZ
K8LG	AA7DK	K0MFI		KD6VCD
KC4NX	K3PU	K4HBI	117	KM5OL
NG9R	KC5DRI	KB2WAL	AB5J	N3JDQ
NO8D	W2AJM	KB5MH	K4WS	N4YCI
VE1DX	W3UQH	KE4JFS	N4USG	N5YK
VE2TZT	W4DFU	NE0P/9	N5JEH*	W0BM
W0PHX	WA6POZ	UR0MC	N5LPT	W8MSP
W2LES	WB4OMM	W8DN	NA7L	W8VW
W3FEY	WE1P	WB9TFH	NU6V	WD0ENC
WA2SEI			W6WE	WU3U
WB4YDL	124	120	WA1TBV	
WW5W	K0DLW	EA1YO	XE2PXN	112
	KB0HH (EM06)	K2CYE		K2MLS
129	KD5FTD	K4AU	116	K3GD
8P6ET	KM1C	K4CGY	EA4DEI	K5WTA
JF4VZT	KT5MR	KD0R	IK7EOT	KA7T
K0KD	N0SL	KD4MZM	K4RGN	N5HMH
K5QWO	N9AZZ	KD5BRF	KI6QDH	W1TR

W5DQ W6OAT W7IV W9PN WA8TWM WG3K WX3P XE1GK	N3MWQ VE3SUB VE7IG VY2RU W4AMP W4CRN W5AAJ W8EH W9VNE	N5SAN N7YY NE9O PU4JOE VE3VRQ W8MIL W9RVG WA4MYO	VE7DXG W0TF W3LEO W6IT W6XU XE1RBV	VA2LGQ W4LLP W5KBD W7ISG WB8IMY WD5IYT
111 K8BB N0SLT PC3T W8GBH WZ8P	107 JA3EGE K5UIC KF7PG KI9A KK4LUM N3TTT N9OI NF0T US0KW W2TTT WB4PPW	104 AB9YC AC5K AC5RN AC9QR IK4DRY K5PPP KB9RNO KC1LXO KC2TR KD9GKL KJ7OG KM6WXB KO4LZ N0STP N1LDY N2FBQ N3UPS N7AGF NJ1H VE2PIJ W1TE W1ZE W4KVS W6ZQ W9EBK W9MDB WB2VUO WB8BZK/VE3	102 AA9MY AB8JH AD6KH K0HAQ K3HW K9AM KA3ZLS KB8CR KC6WFS KC8DMN KD8NYO KE1AU KJ4M KR5V N1HOQ VE7ZD W4RVZ W5DPT W5OV W7UT W9NFL WA4IOB WA8EQP WB5FDP	100 AC0FT AI2S AI9U K2UA K4UQC K5GM K5KV K8IJ K9CC KB9ZLB KC2HLI KC8CC KC9CMT KD3SW KE5CVM KF0Q KG5X KJ5OA N3TBB N4NIA N5RZK N5XTR N7EME N8COP N8XS VP2MRM W2CH W4/KL7GLL W4OZK W8BZY W9DQ WA5TLP WV9E
110 K5KR K7LD KD5J KI0F KP4JRS KQ4LA KX5U N5TIF N5YM W7JET W7UP	106 K0MEI K5BJW K7BWH K7JE KB0TIJ KC7ICM KE5JXC KJ6MBW KK2DOG N0RQ N1USB N2IPH N4CE N5FPW N5YHF N8HM N9XMU VA3OKG VE3AJY WB6VYH WQ9F	103 AA5CK AB0YM AB5SS K2OY K4MVL K8ZEE KA1W KB0FHP KB2SGX KC9FFV KF0AIJ KF4DVG KR4NO N0YXE N1JIF NF6P NN2D	101 AE7V AI5WW K0IN K0SBV K0WJ K2NUD K5DWI K5HX K7SYS KB1JDX KB4KBS KC6AWX KC8CSD KG8WB KG9IL KL2R KR4WM KR7LD N1IX N4AOE N8VEA N9DVS ON9CMR/WO	99 AB0SD AB3TM G4FKA K0YO K4KEW K4WQ K4ZO K5VPQ K7DD K7PAP K9ZZE KA0ZEE KC2IEB KC6X
109 AK6ZZ IW1ARB K2DSW K2JGL K2OO K5DNL K9GY KE6GLA KJ6CA KZ7N N8TMW N9TTX VE3AAQ W0YJT W1OP W4ZRZ W5MPC/1 W7RJR WB6YIY WB9W	105 AC4Q DS4EOI K4SJA K9MAL KB3JGS KC0JYT KC4KK KF4DGS KJ7TH N4NQY			
108 CF3VRQ JA9IPF JP7EIP K5OPB K7MDL				

KD4MWO	WB2YDS	K9OT	N9LJX	N7UN
KD6RUH	WD0E	KA2NDX	OE9KFV	N8WWM
KG9AP	WH6LR	KA3HED	PY2KP	N9DD
KR4UA	WT5H	KB5GI	VA3KS	N9UNX
M5MYH	WV5Y	KB8PNS	VA3PZ	VA3MA
N4FV		KC0HBP	VE3KZ	VE3RX
N7HRT	97	KD6PY	VE3SPW	VE5MX
N7JPF	AB8M	KI5TE	W4YZJ	VE7AB
N7TE	AJ9C	KM5NU	W5ADA	W2GR
N8GHZ	K0HB	KR4EE	W5CBF	W3IPA
N8YV	K0JQZ	KS4V	W5RCQ	W3TA
N9MKC	K0QEI	KT5RR	W7JWC	W4LNG
NB5R	K0SH	N0WVU	W9SX	W5ODD
NH6CJ	K0YQ	N2LID	WA2ONK	W5PUF
NI5W	K3HZO (FN20)	N2VHZ	WA3I	W7NX
NS2P	K4GTR	N2XK	WA4WR	WA7LHZ
VE2HAY	K4JQU	N8PAQ	WB2SIH	WA9BXB
W2HOG	K8XF	N8YBY	WD8DOT	WT9U
W2VU	KA2BSK	NT2A	WS4S	WV2I
W5JLC	KA7EII	NW5Q	XE2AT	WV7S
W6TJU	KC0YBM	NY2Z		
WA5TRX	KD5CKP	VE2DCP	94	93
WB5NHX	KF4KSN	VE6RGU	AA4RP	AG2A
WB7VVD	KM4NYI	W1HMM	AB4VT	AG6CV
WK5X	KT5WB	W3VHF	AD1DX	AI8F
WW2R (EL09)	N1VMJ	W4KK	AK8CW	IZ4DPV
	N3UMA	W4TMR	HK4SAN	K0IW
98	N4BH	W7JHS	K0ARM	K0RM
AC2RL	N6MA	WA3EEC	K3BEE	K1PTF
AD8Y	N9APK	WB0M	K3TUF	K1ZK
K0KC	N9IO	WB5KJE	K4JRK	K2AK
K0UD	N9KY	WP4LNY	K4LDC	K2MTS
K3IXD	NK7C		K8GT	K4DAM
K3QIA	NU0Y	95	K9DOG	K5TRI
K4OP	NV3K	AB9AI	K9SUL	K6RM
K5HOB	VA3FIN	AE0G	KA2F	K7IP
KA1EKR	W3QT	AE5EO	KA9UVY	K7TRK
KE4LGL	W4CWA	IK8YTA	KB4YKC	KB0USF
KG4YOU	W4DAS	K1PNQ	KB7AK	KC5TGT
KG7E	W4ID	K4ED	KC0AUY	KC5TT
KJ2G	W7DN	K8KFJ	KC3AK	KC9TTR
KK0CQ	WA6OSX	K8ME	KD4VRZ	KC9UL
KY0Q	WA9LEY	K8VD	KE3WM	KD0QG
N0JJQ	WB8RVK	KD7WH	KF0LA	KE6AZX
N1JHJ	WB8ZTV	KD8DR	KG4NLZ	KE6UMW
N3LRP	WE8L	KD9ZR	KU4JZ	KE8RPJ
N5TEY		KI0SK	KV3W	KE9V
N8AID	96	KW9U	N0LNE	KI0J
NO5X	AD5OW	N1XK	N0LP	KK7MNC
NO8R	AE4TQ	N2SLO	N2SU	N2BX
VA3VF	AK4F	N2WLS	N3JBH	N2YTF
VE4XTZ	K2CK	N3WAV	N3XBG	N3AO
W2KRP	K2UF	N4ET	N3YUG	N3ZBK
W6TE	K2UNK	N5BLY	N5ZMP	N4GOA
WA2FGK	K4EQH	N5ENU	N6HY	N4YHC
WA3TLT	K5CRJ	N5KI	N6MXU	N7EGY
WB1GQR	K8EMR	N9IV	N7NH	N7JI

N7KSI	91	KB5FHK	88	NI5F
NA9D	AA0CW	KB7BSA	AA4QE	NN7RM
VA3JFF	AD3Y	KK4DZP	AE0DX	W8GOC
VA7QI	CO2WZ	KW3DX	AE4OF	WB3IGR
VE3WMD	HB9ALO	N2ULL	AF4MI	WB8JAY
VK5PJ	K1UR	N4BRF	K1RS	WF4W
W0MHK	K4SPA	N5BA	K3TN	
W2VTV	K6YK	N9JJ	K4XD	86
W3ZGD	K7HPN	VA3XOV	K7CTV	AG1T
W4VG	K8OI	W9CPV	K7WV	K7FB
W5DMT	KB2YWU	W9CSY	K7ZYV	KA9OKH
W7EIR	KB3IAI	WA2BEV	K9JF	KB7JJG
W7TRX	KB3NDS	WA8OJR	KB2KIR	KI6HQT
W9IFW	KB7AZ	WD9HCF	KC1GWX	KN4MMH
W9NED	KC5POV	WE7H	KC3MLC	KP4TB
W9WI	KC8LGL	WEST SEATTLE AMATEUR	KC8EVR	KT1R
WA5ICA	KE1IU	WH6LE	KI2D	N2NF
WB5CON	KE7RTB	WM7C	KI4RFM	N3MVF
	KG4QWC	WT4C	KJ4KW	N8TFD
92	KI3O	XE3/K5ENS	KQ4AJI	NZ3O
K1EY	KI5BLU		KU4S	SV1RK
K5GDX	KM7N	89	N0OK	UT9FJ
K5TDA	KM9I	AB1TZ	N1CEO	VA3MDB
K7FU	KQ6K	AG2AA	N2MKT	VA7LM
K7HKR	N3PPH	AG7NR	N2ZN	VE7IRU
K7UWR	N3WCM	G4NBS	N4CAG	W8IW
KB0PQP	N6DW	JQ1TIV	N4GN	WA1PMA
KC4JNW	N7CZ	K4BMM	N4KIN	WB4GCS
KD4QMY	N8DEZ	K5CX	N4UC	XE2AU
KE4WBO	NR4J	K5JAZ	N5VBK	
KG4URP	NU4N	KA0MWA	NS3X	85
KR7X	VA2BBW	KF4TVL	NT4TN	AC3KE
N2SG	W2SUB	KI0G	VE2VLJ	AC9GK
N3GH	W4MLN	KI4FW	W2BZR	EI3IO
N4VN	W5KDA	KI4US	W3YX	K1UU
N5QO	WB0NRV	KR4U	W4DL	K4LRP
N6FD	WB7X	N2GZ	W4RXR	K5MJP
N6RPM	WC4V	N5KAE	W7HDD	KB3MXK
N7DED	XE1GZU	N8YSZ	WA2BTR	KC0V
NS6E		N9RG	WA5MD	KE4DRF
UT5JAJ	90	N9UDX	WK3N	KK4AND
W1PV	AA0LM	NE2U	WV8O	N2RJ
W2ACY	AB4WL	VE3VCF	XE1SOV	N4LS
W2CVW	AB9DU	W0HRO		NJ1Q
W3ACO	AF5BG	W1HY	87	VE3GFN
W3GP	DL1SMA	W2JEK	AC0A	VE7DAY
W3HZU	JH4JNG	W2OK	AG4I	W1WV
W4BP	K1HC	W4ZMM	K4JC	W3STU
W4LIA	K1KA	W6VNZ	K5UZ	W4IT
W6NS	K3CWF	WA7SDI	K5WO	W4RA
W8JV	K3UAL	WB3IAL	KB1VUN	W6ST
W9HBH	K4AAP	WM6Y	KC8NAH	W7SIR
WA3JKB	K4FTP	WQ5C	KE6WOX	W8DQ
WA4EEZ	K4XZ	WR5AY	KI6RRD	W9QY
WG8E	K6UIP	XE2NL	N0ELA	WA4WKL
WM3O	K8EAB	XE3DX	N2CJN	WD4LSS
	KA5TJI		NE5S	WF4R

84 CT3FT K4EZY KE6NDG N1KI N2NWS VE2WBK W8PU W8SGR ZS6NK	XE1EE	WP4NEG ZL3AAU	KK4YEL UX1UA	54 AG4KI JR2SQZ
83 AA6E DL5XJ K1LH K4SQC K6JJ K8SIA KB3HHA KB9LIE KK7BV KU4WW N5PD N6KTH SV2AEL TG9AKH W7USB WD6T WD9IOK WI6Z XE1MM	80 AC6BW K7FR KE4PT KR4Q KW1DX N2NS VY2HF W2DEN W5TTY W7AM	74 AK8B CX4AAJ KF2TI LU4FPZ VE6SO VK4CZ WC6DX	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	53 K0BBC PP1CZ
82 AD4IE CB0ZA K3RJK K4JMX KA5WSS KC5YKX KG4KVZ N1SF PU8TEP W5DAS W7YOZ W8GG WA2ONG	79 JF1LMB K4RW K5JBT KB4DSL KP4N N2COP N5YJZ N9RC VE3CFK W2GW W2SKI WN0L	73 JF1IRW VP2MJD W4WT	64 K3BQ WD5GRW (EM13QC)	51 CT1ETE N8OFS OH4UI VE9FCP
81 AB4I DF3CB KE4DZU N6MM N7NEV NI4Y W3MC WA4ZXV WA8ZNC	78 IZ8EDJ K2QPN SP5QWB TG9AWS W4NE	72 N4II PV8ADI	63 EA1DR HL2EIZ KB0RFY	50 N8MR
	77 K1IFJ MI0AYR	71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	62 K4DXA N6ZDH	49 HB9RUZ
	76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	61 CU3AN K4MLB N0GVK	48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA
	75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL US5WE W4LVH W5UC	69 K3WGR W1YM WD4LBR YL2JZ	60 HB9BIN KP4JFR S55DX UR9QQ	47 HB9RYZ JE1VTZ N6PAZ
		68 AA4S EH7CD K6CF KJ7TEA	58 KC6NBI SV8CS WA2MUA	45 JA6WJL K4TXJ
		67 JG2TSL KF4JHG W7YED	57 IK1ZOF JL1UXH JL3MCM N5LJL WD5GRW	44 WO3T XE2YWH/1
		66 K6KLY	56 KI5WA LU8ADX NI6T	43 8P6SH CT1EEN HB9AOF K4ZIN
			55 LA3MHA SP5APW WA2EMF	42 HA5PT W0PR
				41 E75AA LA6OP

40 JR0QFA WB8TGY	28 CT8/K0RUI JA6CRP JR7ILA K0FMI OH3DP	VE6TA (DO31)	EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ KA5WRG PY2DV PY2GM	6 CT2FEY DU0A EI2JC JA7NGE PY2VA
39 AA5PK		18 AJ6V KJ4EU W0HBH		
38 DD3KF DG7RO DU1EV HL4GAV K8YSE	27 E70A KC9ELU WP4NIX	17 G3LZQ PY2XAT SP5XMU SV8CKM		5 DL5LH EA1AAA EA7ZY G6MXL IK8GYS JI5USJ JJ1IDW KB8VAO M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ
37 BA7NQ HL4CJG JA9APS JH9DRL OE3SGU	26 DS4AOW WB7QXU	16 N6VHF TI2CDA	10 DL4CF HB9BOS JH7IMX JH8RZJ JI2UDK PA5KT SV2DCD TF3Y UR7DWW	
36 JA1WSK	25 EA4/K1WE	15 9K2BM EI2GLB HB9FMN HB9HIT LU5FF PY2RN UT3UA WC2C	9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM	
35 GI4OWA LU9DO UR5WA	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY		4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS GM4KHE IV3GOW JH7IPR JK6DXD UT5EL VK4ZP XE1SAX
34 G4SEU JL3LSF LA2QM	23 GM4ILS K4SLC KP4EIT W8MK		8 DF1ZN DH0GSU DK2LO G1VDP JA1CPU JE3PCP JG1JPE JJ2NWI N8RO OH8LXT	
33 W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH	13 JA2LWD K4AKX K4WY PY2MC W4PWF		3 DJ5AV DL2KQ EA1AR EA4D G3LHJ HA9PP HL2ZN IK0WRB IK8EPC JI1CHH JM1GHT JN1BPM JR6IQI KC0Y
32 DM2RM N3LRH SM6WET ZL3TE	21 EA1YN	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	7 DL1TRK G8APB IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX	
31 K7TM	20 CX1FK I1FQH JM1KVV N1WC PY5EW W8LR			
30 E72X JO7WXN WA6DNR	19 DL1TS EA6BB JE2UFF JI4WAO JR3UIC PY2HN SP8NR	11 A65BR DL2OE		

PY5IP	DS5TOS
SA7CJO	EA3WD
SV1VN	EA4GQS
US0YA	F1VEV
W1CBY	G4CFS
WD9EWK (DM43)	G4VSS
YB1TJ	G7SQS
YL2CA	G8TTI
YL2MU	IK5BSC

2

5B4ALJ	IZ0BTV
6K5XZE	IZ2CSX
9A2GA	IZ3DBA
9K2NO	IZ5FSA
BV6CC	JA1GZK
CO6CBF	JA7DPC
DF3VG	JA7VXB
DF8FT	JH8XVT
DK1CO	JI1HNC
EH4BPJ	JJ1PFC
ES8JX	JL2ULM
F5TMJ	JN3ONX
G0THY	KC3KJQ
G4DDL	KG4JSZ
G8GNI	KH6WI
GI4ONL	KP4DER
IK1IYU	MM0INH
IK2GOQ	OK1UU
IZ8XQC	ON6NA
JA6AVT	OZ1IKY
JA6SZV	PU5SVE
JA9FAI	SM3GBA
JH3MHI	SM6LPG
JP1HDK	SP7EXY
K4KZM	SQ5NRY
K7LY	UN8G
KEN IN NEBRASKA	UR5EDX
LA2CQ	VR2VGM
OH3KAV	WB7VUF
SV1XV	YO8WW
SV3FUO	
YB2DX	
YL2KF	

1

3A2MW
 9A2EY
 AJ6T (EM66)
 BD4UJ
 CT1AHU
 DH8BQA
 DJ3ZF
 DL2DCX
 DL4ZAB
 DL8GAM
 DS5DNO