

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 (21 Sep 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	N9UM	485	477	466
AA0MZ	ND0B	AD6D	N5KO	KA0JGH
AA5AM	W0FY	K1USA	NC6K	KB6NAN
AA5C	W0JW	K9MU	W6XK	N4QS
AA7A	W0LGQ	N0POH		NA6MG
AI5I	W3CP	N5WS	476	WX7M
K0GU	W4UDH	W5VY	K5XI	
K0SIX	W5ADD		N4SIX	465
K0TPP	W5AFY	484		N4JQQ
K1TO	W5AJ	AF5CC	475	XE2K
K1TOL	W5EME	AI1K	ND4X	
K4PI	W5FF	WQ0P		464
K4XO	W5KI		474	KB9OWD
K5ND	W5OZI	483	K7KQA	
K5RK	W5TRL	AC0RA		463
K5UR	W7GJ	W0VTT	473	KB8VAO
K5WE	W7JW	WA7HQD	NQ7R	NI0G
K7BG	W7KNT	WB0ULX	VE3EK	W5XC
K7CW	W7MEM		WB0O	
K7ULS	W9FF	482		462
K8SIX	W9JN	K0BJ	472	N6ORB
K9CT	W9RM	N4WW	KB7ME	
KA9CFD	W9XX	W9VHF	WD8JJA	461
KA9FOX	WD5K		WE9R	NA9RB
KD5M	WQ5S	481		W3UR
KG5CCI	WS9V	KC7QY	471	
KM0A			N9PGG	460
KM0T	487	480	W0RH	K5OMC
KO9A	K7MAC	K5GZR		K8ZM
KR7O	K9YY	KC7V	470	KF0M
KV5W	N0AKC	N4TB	K4SO	
KX4R	N7CW	N5EKO	K5RT	458
N0LL	N7IR	XE2OR	W07R	K9NW
N0LWF	N9ISN			KG5THG
N0PB	NA6L	479	469	N9BCA
N0TB	W3IP	N7ZO	AJ4F	NE1B
N1AV	XE2CQ	W5WVO	K4MY	
N3SL		W9RN	K7PI	457
N3XX	486	WB9CIF	N7BAV	K4HB
N5DG	KY7M			W9WO
N5NA	N0KE	478	467	
N5OMG	N7KA	AD1C	K3SX	456
N6JV	W5ZN	AE5B	KB9DAK	AJ4A
N7NW	WD5COV	K6ZH	NY0V	
N9LB			W5THT	

455 K9MK KF8MY WA9DU XE2X	443 AB4IQ N4MM	WA5JCI	W0GJ	VE4EAR W5SUM
454 WB7CJO	442 AG9S K4ZOT N2QT N4TL NJ6D	428 K9APW	414 K0DEQ K2TER KM8V N0GZ W4TV	403 K6VHF
453 K4YMQ K6EID N9FN	441 K8TB K9KLD	426 N5OK W5JAY	413 WA9LFO	402 K3FM
452 KK4MA N5BO N8YO N9BX	440 AE5FM W2IRT	425 K6ML	412 VE2XK 6M FN07P	401 K4CKS KM3V
451 K1HTV K5WBM KD3CQ WA1EAZ	439 K8ROX N4QWZ N5TJ NM5U	424 K6JJ N4UFP N9AKR W3EP W5PR WB8BPU	411 N1EVK N9EAT WR7X	400 KT8O W0JRP W3UUM W7FI
450 NE9U W0MU	436 NZ3M W3TC WB8ART	423 W4DR	410 K3UA KB0V KE7SW KI8G	399 NN4R
449 KF6HI N8OC W8TN	435 KF6A	422 K0DD VE6WQ WB5JID	409 K5PI N5SYV N9JR VE3DS	398 N8IEZ W1NG
448 K4XP KP4AJ KV7N W3LPL WB8ZBT	434 AA1ON K1SIX VE3LYC	421 NE6I NP4EI/W7	408 K7SMA NY1V W7BA WA1NLG	397 AB4EJ KE4TH KI0E W8LMG
447 AH0U KS7S N2NL N4SC	433 AB9BH KE8KMX WW1L	420 AD5A	407 W4AS W5CIA W7YAQ	396 AB4SF AG4W KB8U N3OC
445 KG7CW KU7Z N4LR	432 K3FRK K6GXO N6KK	419 K7NN W0GN W5AL	406 AK3E K6FG K8EB	395 AA5XE K0AZ K5XM KF7CQ WB4EVH
444 K4SSO W3LL	431 K0TLM	418 N4UFO	405 AA4SC K1GG K5CKS	394 K6RO
	430 K1TEO	417 AA5JF N4HN	404 KF9UG N2ZX NH6T/W4	393 K7XB K7XC KD5XB
	429 K5TA K8ZR	416 AC9DX K4RWP K7ND KO4MA NI0P		392 AF4HX K5HPT W6OMF
		415 K7AWB K8JH		

391 W4AVY W6TMD	377 AB1OC NT9E	N6QQ	351 W7IMC	338 AI9L NA5Z VE3SXE W4MAY W9XA WA5KBH
390 KZ2I WF7T	376 K8GI K8VFX	363 VE7BV W1JR W4NH	350 N6VI WB4KTF	
389 W5MO	375 K6QG WB4OQX	362 WA5OLT	349 K1GJQ KA0BAD	337 K8ZES W9EWZ WA5RT WW0E
388 K0IP W4WRL	374 K0TT KV7K N6GP N7DB	361 K8BL K9NR KB1EFS N1KDO N8KOL NG4C W4ER	348 N1JFU NJ7G	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S
387 KV4T N0FJP N4CH	371 AA4ZZ N3PS WA6BYA	360 K6UM (CN85) W0NOZ	347 W2HRO	
386 JA7QVI N7IJ W5TFW W7AH WE4S	370 K5TN KG8P KN4SM KS4YT N3MK NN9X NT0V W4FC	359 AA4FF K0CAO	346 N9XG	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA
385 K0JDD NK1K VE6MB W4WTA		358 K5RLA	345 AA8SW W3XY XE2YWH	
384 K8ROK N2WK W8OP	369 KF8UN N2DPF	357 K4LVV WA9PWP	344 K6FW KB0PE W1OW	
382 N8LRG VE3YXO	368 N4JP W5RCI W6GMT	356 K7PT	343 K1ST K5EK KK0DX N3RC N3YT N6KZ N8HRZ	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC W3ATV WB5TOI
381 NK0S W3VZ	367 KC4HW	355 AA4FL N3AIU (DM45) W1DYJ	341 KD7DCR N9LF NX7U WA7YAZ	333 AA4LR K0TC KM4HI N0IGZ W3GQ XE1YY
380 K7MCX WA5LFD	366 KI7JA	354 KE8Y NP4EI NU6S	340 N0AN WA9M	
379 N8WNA	365 K4JJW K6EME WA7PDC	353 AF2K K0CS	339 KE4BKL N2ZZ VA7FC W5VAS WB0OQV	332 AA7UN N4JDB N7KDT VA3IKE W9GM
378 KR4BD	364 AB5EB K0RAR K5KEW	352 K7LOL VE3XN W0KKK XE2ML		

331 K0SRL K8WDA KC0UDO N4MW W3TI	322 JG1TSG N3ALN VA6SZ	311 AC9S KS4XQ W2BZY W5DB	300 AA4V K0PHP KB6VFC N1RR WA2BAH WX2S	290 VE6TA (DO33) WA8EFK
330 KB8MBC KG6AY W8PI	321 N0LD N7RO NC7B NS4C W9VA	310 N1NK W9KVR WO4DX	299 KX7L VE6WK W1LE W8UV WB5GVY	289 K2BLA K4MM K9FA N5BCA NQ7G W4LTJ
329 AA1QD N2JJ W2OR W8WG W9DCT WX4G	320 KG5EIU N4DW	309 AA9RR	298 K0MLD KD4WSC KK8MM N4IQ W0JM	288 K1NU W1DU W4HLR
328 K6ME N5PT W2CNS WB3LHD	319 N7US	308 WA4HFN	297 N8YQX	287 K8DP KC7MRQ N8CGY W7CT WA4NVM
327 KJ5RC N0YO W2JU W7YA	318 W4HY	307 AG1A KE5K KS4S W9RPM	296 K4XR K6YUI KC7RW XE1EE	285 AB0S K5CZD K9UO NS7K
326 K2ZD K6LMN K6TDI NG7M W0PR W3HDH W7JLC	317 KA8SYV W1SKU	306 K4QE KL7HBK WV9L	295 KE4P N6AR N7NT	284 AB0RX AD4ES K0KP K4DET KL0S NJ2F (EL96)
325 KF2T WA2AEY WX0Z	316 DK8NE K3FN KA0ABA W4UCK W9BWR	305 K3VAT K6UM (CM88) KT1J N4SV	294 K6JSV	283 N5OHL NA5DX WA0FQK WB0CQO
324 HC2FG K9SH KU4A N2BJ VE3TMG	315 K0PG K5VH KM3T NY2NY WA8ZID XE1AO	304 K6IPF NS4T WA0GUD WA8MCD	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K1DT N8JCM W4WM
323 N8II W8KEN WO2T	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN	292 KJ6P N4ST W1SSN	281 AA8MA JR1LZK K4OY NL7CO W2YE
	313 JE1BMJ N6NR N7UVH NF4A W4GLV W5RKN	302 K2UU KB2TGU		
	312 AF6O K4NNX KA2GOJ N3KN	301 N0HJZ W3SW W7IB W9OBG WB0TVY		

280 N0KV NM5Z W1FKF	270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT W7JY WZ9B	K7MDL K9AAA WB7QBS	N8ZJN	247 JA1UAV N5DD W3TEF
279 N3JPU N6PM W0PPA W0VHF (EL87) W8GJ XE1FAS YV1DIG	269 K2IE K3ZO KD5R KF6XA N5EPA N5WD VA2CY	262 K3CWH K5VR N5PA ND4DX WA0KBZ	255 K8MVZ KG4JPL W4HFZ WA8KNE	246 K0DAS K8YC KK8X N5TIT W4FRA
278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N	268 K6OJ KI0HA N9ZTS W0KAN WB9PNU	261 AF2F K3TWK KB8UUZ N3EW W6TCP W9TA	254 KG9Z N4GBK N5SIX N7QOZ NR0Q VE3OTL W8FIB WD5ITW	245 AE4M N1IA N3XF VA3CW
277 AC7JM PV8DX	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	260 JM1SZY K6JAD K9MQ N6HC NT7C W3DF XE1YD	253 F4BKV KG4ERR N2XQM	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD
276 HC1BI K2CS K5TWJ K7TAB KD8JSP W9OO	266 K1OA K1WVX K3HPA TG9AJR VE3MSC WB8EJN	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	265 N5KS	258 AB5GU K1NJ K2HAT NA2NY NA5C WB7ECS	251 AD5JK AE4WG K9QJ KG7NV NN4SS W2LV	242 IT9IPQ K3WW KA3TCC VE3SMA
274 KB1DMX	264 AC8L K4JAF N0TK N5AO NF1O	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/0	250 AA9LC KS9J NW6R	241 N6NU W5LO
273 KM4H KV1J VE6SH			249 CT1IUA JR3REX K8AO KQ5U N1GC N5SMQ	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL
272 KF8QL KO4PRE			248 K1ZZ W6VFA	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD
271 K7NII KB7FUV W3HHN	263 AK4PR K0NO	256 JM1IGJ KL7NW		

238 AA3GM JP1LRT W1MJC	KE4UW N4NX NN5DX W5LUA	N0PSJ N4ION N5UWY W4IFI W5JMW	KF7NN N1SV N2OA	W8QID
237 K3KO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 K7BTW N7XCZ	211 K9FOH KD3HN NE8S PV8BR W2ZDP W5HNC W6AER W6KAP	204 KO0Z LU2DX WA3DRC
236 K0SU K4NK N3FTI N9ATD W5AJX	227 K8ZT K9TF KS9A W4KXY XE1GLL	219 K2RKJ K6ZZ (EM78) KE5RV W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	203 K0VSV K5HYT K5LOW N0HF N8SYF NX0I W1RM W3SZ W9GFB W9VOB WA1KPD
235 ND0C VO1GO WB6RJH WT2P WZ9W	226 AF5WN N7CNH N8UR NM5S W0VX W8RD WQ6Q	218 K1XH K4IJQ KB8KVJ	209 AA4IB W5WGF WA4NFO XE2N	202 K1BZ K5GJR WC7X WF8Z WQ5W
234 JR2HCB KE6FCT	225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	217 ND4V W4DEE	208 AI2N CO8DM KD5HIO PV8ABC	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ
233 K1AFC K3EA N9NJS VE7VZ W8PAT W9TD XE1L	224 JA8ISU K2RET NJ8J	216 K7RB N0IS NE1F W1AW W5RWF	207 K6US N1BCL N8NJA	200 4A2MAX K4YJ K5DB K6ZZ LU4FW N7PHY N9AG VA3VU WB2AA
232 K5FO N9NJY	223 K7UA N2ZA NJ7A	215 AL7OC K2SX K9OHI KI5FJ N2YU N6KW	206 AB0CT AK4Y CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	199 N3KFV W4OEP WB0YEA
231 K4MIJ K6HEW KF6GYM W9XT	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ	205 AF4OD K8SD KE4HOA N5ITO	198 4O3A AC8TO N0UK
230 K1ZE KO4MM VA3XJ WB0WAO/8	221 K5WMH K6CQR	213 K3DFL KI6X W0NBC		
229 GD0TEP K6RG KB9RUG KC0VDY KD5IKG		212 AB5C JF8QNF		

N7EPD W8DM WA7KYM	190 K5ER KC2DLD KN4PPD N9UA W1ATV W2OO W4GE W8SP WB0DBS	183 K5RQ N0UBL W2UDT WC4H	WY7FD	HP2AT JA6RJK KC5GSK KC5YCH KI4TZ NS3L W1PX W6IA WA2KBZ
197 I0WTD K3EGE N4BAF W3TW W5CTV		182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I W9JJ XE1CL	177 AG4ZE K2QQ KI4BWW NY4I SM7FJE W5ZG WA8UEG	
196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	189 AC0W KC0MEA WA5VKS		176 AD5ZA EA5BY JA1OVD K0DI KX9X N5QGH N8URE (FM19) N9ARX NP4BM W5AFD WA5IPS WW2R	170 K3LL K9TVG N8CN NA2U W0PE W4IHI W4JKC WK3V
195 AA4W K2WJ K6VDP KG6WIK	188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N9MSG NY0A W4RBO W9BS WJ1B		169 K6XC KD5OMJ N2BEG N5XES VE3HHT W8KNO
194 K2MRK N3FA N9NFT WF1H WK8A	187 AA8R KQ0J N2WM		175 K3MD NE5TX	
193 K9AB KC5N KD2NF	186 K8PT K9SG KN7K N0XLR N6ZE	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	174 K6WRL KC0IYT KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI	168 KG5ZMQ W2PD W8WEJ W9HT
192 AA6AA N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	185 AD6W KD5BQT KU4UC N8XE NA2R PY5CC W3OU W5BPT XE1R	179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ		167 K4MQG KB1YNT KB9REV KE5EP N0NHW NO0T TG9ADQ W1BAT
191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q K0DEW KR4M N1IBM N3FX N4BG N4DTF	178 HB9EFK KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD	173 IC8TEM K2ZZ K5YPV KE4SCY	166 JA3LZS KC2GHT N5VU NA1VT NC4RY VA3WEB WB4KXS
			172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT W0RIC
			171 AA4PB	

164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	157 K4FX KB8GC KC2WUF WA7NB	150 KW4BY N9LAH VE3OAT W7APM	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI YV4NN	139 KC7JPC KM2O KU0G N7T NA2AA TF3JB W4OV WB2JIL WY0V
163 K2JF K2YSY N5XZ OE6IMD	156 IZ8FFA K2KJ N3RN N9KO VE7VDX	149 AB6CF IK7EOT K4SAN KK9H W3UA WB4VHF	143 K6JBH K9QFR KB8RJS W0HNM W0UHL WB0MMC WM5H	138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH
162 AF4GK K0QB KA1R KD4TDI UW5ZM 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 W6VNO (CM88) WB6RAB	142 NA2X NC4VA W5SWV WA5TKU WS4V	137 N1SZ N5JGK SM7AED
161 K0KVR K4EA KB3CWQ KK9M N2YBB V44KAI VE3LC W4HOG WA1LAD	154 AE4NT KB9VMW KW4OV NZ6N W3ZQN W4DWS	147 AF6AV IZ1LBG JR1BAS K6PSP KC1BUF N8IK VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	141 K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WR7AY	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS
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 WA4KXY	135 CU3EQ K4MWB K8ZIZ LY3W N4DB W6BXQ WB8BZK WW2DX XE1H
159 G0OIL K4MZ NS7B W1EME W4TTO WB8NUT	152 AA6I N0RC N1NUM NU1T UT7QF WO4G	145 KD7YZ V31MD VA3TTX WA4JA		134 AB1NS AB4GE C6ABB GM4UYE HK3W KE5FXE

KF6UFO	KM5SC	W1TAM	N3YPJ	W0DHB
N3AIU (DN70)	N9WBR	W3KN	VE1JC	
N8GOU		W6SCQ	VE3XK	115
W4TKI	128	W7YM	WA6RAY	K9AAN
WA3WZR	JR2LJO	W9CDL	WD4OHD	K9MMS
	KC7QAG			KE6TVM
133	KJ6SDF	123	119	KF0QS
KA5ETS	KN4DMN	AC7AF	AE5AU	KF9AF
KC1RET	N1SFE	K9SM	K0AWU	KM5FA
KE1VT	NR1R	KB0GT	K1ZN	N7VGO
W0RT	W0WT	KB0STN	K2SQS	VK9DX
WI5D	W5ZO	KG6DHQ	K4MSG	WA3BZT
WW7Q	W8FR	VE3TG	K7JIZ	WC7V
XE2O	WB2WEO	W1HS	KF7PCL	
		W3DIY	KP3V	114
132	127	W3SE	KT0P	AC8HU
AB3CV	AA9RK	W4PRZ	KW7N	K3RTU
K5VG	K3GYK	W5EWF	N4UPX	KC4GCK
KW4G	K7UV	W7MHW	W0QC	NF8M
N4PPH	K8AC	W8BI	W4SW	VE1WOW
N7TP	K8OS	W8KHP	W7QQ	VE3IRR
NE1I	KB3OZC	WA8WV	WI4T	W2JLK
VE3TM	KB9TLV	WB2RVX	WM9M	W2ZQ
WN6K	KC0RQH			W4ALF
	N6UTC	122	118	W4UFO
131	VE2JWH	K7AED	J68AS	W5DWA
K3NAT	W1FLD	K7OGW	K4AZV	WO2C
KG9R	WA6BIL	KA9JAC	KA4LBD	WX4US
KT3X		KB4UF	KF6MXK	
N2CJ	126	KB5WFE	KI7BP	113
	KJ7G	KC5UGX	KT8X	AB4PM
130	N0BDS	N5HYV	N1QDQ	AD5MD
AB0X	N7DGI	VE6PY	N3JNX	HB9BZA
G4BWP	WB4HUC	VE7JAC	N5EIL	K3DQB
K0GUR	YL2AO	WD0GTY	W2AC / WB2ABK	KD4BPZ
K4JKB			W2AC/WB2ABK	KD6VCD
K8LG	125	121	WB2KSK	KM5OL
KC4NX	AA7DK	AE1P		N3JDQ
NG9R	K3PU	K0MFI	117	N4YCI
NO8D	KC5DRI	K4HBI	AB5J	N5YK
VE1DX	W2AJM	KB2WAL	K4WS	W0BM
VE2TZT	W3UQH	KB5MH	N4USG	W8MSP
W0PHX	W4DFU	KE4JFS	N5JEH*	W8VW
W2LES	WA6POZ	NE0P/9	N5LPT	WD0ENC
W3FEY	WB4OMM	UR0MC	NA7L	WU3U
WA2SEI	WE1P	W8DN	NU6V	
WB4YDL		WB9TFH	W6WE	112
WW5W	124		WA1TBV	K2MLS
	K0DLW	120	XE2PXN	K3GD
129	KB0HH (EM06)	EA1YO		K5WTA
8P6ET	KD5FTD	K2CYE	116	KA7T
JF4VZT	KM1C	K4AU	EA4DEI	N5HMH
K0KD	KT5MR	K4CGY	K4RGN	W1TR
K5QWO	N0SL	KD0R	KI6QDH	W5DQ
KC8KSK	N8MR	KD4MZM	KU5B	W6OAT
KF4NEF	N9AZZ	KD5BRF	N0VR	W7IV
KM5LY	PV8AAS	KE4SCY (FM06)	N00B	W9PN

WA8TWM WG3K WX3P XE1GK	W4CRN W5AAJ W8EH W9VNE	W8MIL W9RVG WA4MYO	XE1RBV	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 VE7DXG W0TF W3LEO W6IT W6XU	101 AE7V AI5WW K0IN K0SBV K0WJ K2NUD K5DWI K5HX K7SYS KB1JDX KB4KBS KC6AWX KC8CSD KG8WB KG9IL KL2R KR4WM KR7LD N1IX N4AOE N8VEA N9DVS ON9CMR/W0 VA2LGQ W4LLP W5KBD W7ISG WB8IMY	99 AB0SD AB3TM G4FKA K0YO K4KEW K4WQ K4ZO K5VPQ K7DD K7PAP K9ZZE KA0ZEE KC2IEB KC6X KD4MWO KD6RUH KG9AP KR4UA M5MYH
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 N5SAN N7YY NE9O PU4JOE VE3VRQ			
108 CF3VRQ JA9IPF JP7EIP K5OPB N3MWQ VE3SUB VE7IG VY2RU W4AMP				

N4FV	97	KD6PY	W4YZJ	VE7AB
N7HRT	AB8M	KI5TE	W5ADA	W2GR
N7JPF	AJ9C	KM5NU	W5CBF	W3IPA
N7TE	K0HB	KR4EE	W5RCQ	W3TA
N8GHZ	K0JQZ	KS4V	W7JWC	W4LNG
N8YV	K0QEI	KT5RR	W9SX	W5ODD
N9MKC	K0SH	N0WVU	WA2ONK	W5PUF
NB5R	K0YQ	N2LID	WA3I	W7NX
NH6CJ	K3HZO (FN20)	N2VHZ	WA4WR	WA7LHZ
NI5W	K4GTR	N2XK	WB2SIH	WA9BXB
NS2P	K4JQU	N8PAQ	WD8DOT	WT9U
VE2HAY	K8XF	N8YBY	WS4S	WV2I
W2HOG	KA2BSK	NT2A	XE2AT	WV7S
W2VU	KA7EII	NW5Q		
W5JLC	KC0YBM	NY2Z	94	93
W6TJU	KD5CKP	VE2DCP	AA4RP	AG2A
WA5TRX	KF4KSN	VE6RGU	AB4VT	AG6CV
WB5NHX	KM4NYI	W1HMM	AD1DX	AI8F
WB7VVD	KT5WB	W3VHF	AK8CW	IZ4DPV
WK5X	N1VMJ	W4KK	HK4SAN	K0IW
WW2R (EL09)	N3UMA	W4TMR	K0ARM	K0RM
	N4BH	W7JHS	K3BEE	K1PTF
98	N6MA	WA3EEC	K3TUF	K1ZK
AC2RL	N9APK	WB5KJE	K4JRK	K2AK
AD8Y	N9IO	WP4LNY	K4LDC	K2MTS
K0KC	N9KY		K8GT	K4DAM
K0UD	NK7C	95	K9DOG	K5TRI
K3IXD	NU0Y	AB9AI	K9SUL	K6RM
K3QIA	NV3K	AE0G	KA2F	K7IP
K4OP	VA3FIN	AE5EO	KA9UVY	K7TRK
K5HOB	W3QT	IK8YTA	KB4YKC	KB0USF
KA1EKR	W4CWA	K1PNQ	KB7AK	KC5TGT
KE4LGL	W4DAS	K4ED	KC0AUY	KC5TT
KG4YOU	W4ID	K8KFJ	KC3AK	KC9TTR
KG7E	W7DN	K8ME	KD4VRZ	KC9UL
KJ2G	WA6OSX	K8VD	KE3WM	KD0QG
KK0CQ	WA9LEY	KD7WH	KF0LA	KE6AZX
KY0Q	WB8RVK	KD8DR	KG4NLZ	KE6UMW
N0JJQ	WB8ZTV	KD9ZR	KU4JZ	KE8RPJ
N1JHJ	WE8L	KI0SK	KV3W	KI0J
N3LRP		KW9U	N0LNE	KK7MNC
N5TEY	96	N1XK	N0LP	N2BX
N8AID	AD5OW	N2SLO	N2SU	N2YTF
NO5X	AE4TQ	N2WLS	N3JBH	N3AO
NO8R	AK4F	N3WAV	N3XBG	N3ZBK
VA3VF	K2CK	N4ET	N3YUG	N4GOA
VE4XTZ	K2UF	N5BLY	N5ZMP	N4YHC
W2KRP	K2UNK	N5ENU	N6HY	N7EGY
W6TE	K4EQH	N5KI	N6MXU	N7JI
WA2FGK	K5CRJ	N9IV	N7NH	N7KSI
WA3TLT	K8EMR	N9LJX	N7UN	NA9D
WB1GQR	K9OT	OE9KFF	N8WWM	VA3JFF
WB2YDS	KA2NDX	PY2KP	N9DD	VA7QI
WD0E	KA3HED	VA3KS	N9UNX	VE3WMD
WH6LR	KB5GI	VA3PZ	VA3MA	VK5PJ
WT5H	KB8PNS	VE3KZ	VE3RX	W0MHK
WV5Y	KC0HBP	VE3SPW	VE5MX	W2VTV

W3ZGD	K6YK	N9JJ	K4XD	86
W4VG	K7HPN	VA3XOV	K7CTV	AG1T
W5DMT	K8OI	W9CPV	K7WV	K7FB
W7EIR	KB2YWU	W9CSY	K7ZYV	KA9OKH
W7TRX	KB3IAI	WA2BEV	K9JF	KB7JJG
W9IFW	KB3NDS	WA8OJR	KB2KIR	KI6HQT
W9NED	KB7AZ	WD9HCF	KC1GWX	KN4MMH
W9WI	KC5POV	WE7H	KC3MLC	KP4TB
WA5ICA	KC8LGL	WEST SEATTLE AMATEUR	KC8EVR	KT1R
WB5CON	KE1IU	WH6LE	KI2D	N2NF
92	KE7RTB	WM7C	KI4RFM	N3MVF
K1EY	KG4QWC	WT4C	KJ4KW	N8TFD
K5GDX	KI3O	XE3/K5ENS	KQ4AJI	NZ3O
K5TDA	KI5BLU	89	KU4S	SV1RK
K7FU	KM7N	AB1TZ	N0OK	UT9FJ
K7HKR	KM9I	AG2AA	N1CEO	VA3MDB
K7UWR	KQ6K	AG7NR	N2MKT	VA7LM
KB0PQP	N3PPH	G4NBS	N2ZN	VE7IRU
KC4JNW	N3WCM	JQ1TIV	N4CAG	W8IW
KD4QMY	N6DW	K4BMM	N4GN	WA1PMA
KE4WBO	N7CZ	K5CX	N4KIN	WB4GCS
KG4URP	N8DEZ	K5JAZ	N4UC	XE2AU
KR7X	NR4J	KA0MWA	N5VBK	85
N2SG	NU4N	KF4TVL	NS3X	AC3KE
N3GH	VA2BBW	KI0G	NT4TN	AC9GK
N4VN	W2SUB	KI4FW	VE2VLJ	EI3IO
N5QO	W4MLN	KI4US	W2BZR	K1UU
N6FD	W5KDA	KR4U	W3YX	K4LRP
N6RPM	WB0NRV	N2GZ	W4DL	K5MJP
N7DED	WB7X	N5KAE	W4RXR	KB3MXK
NS6E	WC4V	N8YSZ	W7HDD	KC0V
UT5JAJ	XE1GZU	N9RG	WA2BTR	KE4DRF
W1PV	90	N9UDX	WA5MD	KK4AND
W2ACY	AA0LM	NE2U	WK3N	N2RJ
W2CVW	AB4WL	VE3VCF	WV8O	N4LS
W3ACO	AB9DU	W0HRO	XE1SOV	NJ1Q
W3GP	AF5BG	W1HY	87	NM4SH
W3HZU	DL1SMA	W2JEK	AC0A	VE3GFN
W4BP	JH4JNG	W2OK	AG4I	VE7DAY
W4LIA	K1HC	W4ZMM	K4JC	W1WV
W6NS	K1KA	W6VNQ	K5UZ	W3STU
W8JV	K3CWF	WA7SDI	K5WO	W4IT
W9HBH	K3UAL	WB3IAL	KB1VUN	W4RA
WA3JKB	K4AAP	WM6Y	KC8NAH	W6ST
WA4EEZ	K4FTP	WQ5C	KE6WOX	W7SIR
WG8E	K4XZ	WR5AY	KI6RRD	W8DQ
WM3O	K6UIP	XE2NL	N0ELA	W9QY
91	K8EAB	XE3DX	N2CJN	WA4WKL
AA0CW	KA5TJI	88	NE5S	WD4LSS
AD3Y	KB5FHK	AA4QE	NI5F	WF4R
CO2WZ	KB7BSA	AE0DX	NN7RM	84
HB9ALO	KK4DZP	AE4OF	W8GOC	CT3FT
K0CFI	KW3DX	AF4MI	WB3IGR	DS2JJV
K1UR	N2ULL	K1RS	WB8JAY	K4EZY
K4SPA	N4BRF	K3TN	WF4W	KE6NDG
	N5BA			

N1KI	KR4Q	KF2TI	K5EJ	53
N2NWS	KW1DX	LU4FPZ	N7UJJ	K0BBC
VE2WBK	N2NS	VE6SO	OK1MP	PP1CZ
W8PU	VY2HF	VK4CZ	W4CCS	
W8SGR	W2DEN	WC6DX		51
ZS6NK	W5TTY			CT1ETE
	W7AM	73	64	N8OFS
83		JF1IRW	K3BQ	OH4UI
AA6E	79	VP2MJD	WD5GRW (EM13QC)	VE9FCP
DL5XJ	JF1LMB	W4WT		
K1LH	K4RW		63	49
K4SQC	K5JBT	72	EA1DR	HB9RUZ
K8SIA	KB4DSL	N4II	HL2EIZ	
KB3HHA	KP4N	PV8ADI	KB0RFY	
KB9LIE	N2COP			48
KK7BV	N5YJZ	71	62	G8BQX
KU4WW	N9RC	K0GW	K4DXA	HL2IFR
N5PD	VE3CFK	K4GK	N6ZDH	JA9KRO
N6KTH	W2GW	K5WPN		K0BBC/R
SV2AEL	W2SKI	NP4TT	61	KI5KC
TG9AKH	WN0L	W2YR	CU3AN	N6DBF
W7USB		W3FGP	K4MLB	NP3IR
WD6T	78	WC5M	N0GVK	YL3HA
WD9IOK	IZ8EDJ			
WI6Z	K2QPN	70	60	47
XE1MM	SP5QWB	GI4SJQ	HB9BIN	HB9RYZ
	TG9AWS	K4BNC	KP4JFR	JE1VTZ
	W4NE	KC0ZRX	S55DX	N6PAZ
82		N6GEO	UR9QQ	
AD4IE	77	W2QO		45
CB0ZA	K1IFJ	W4GP	58	JA6WJL
K3RJK	MI0AYR		KC6NBI	K4TXJ
K4JMX	US5WE	69	SV8CS	
KA5WSS		K3WGR	WA2MUA	44
KC5YKX	76	W1YM		DM2RM
KG4KVZ	K0WYN	WD4LBR	57	WO3T
N1SF	K6MAA	YL2JZ	IK1ZOF	XE2YWH/1
PU8TEP	KI4CYB		JL1UXH	
W5DAS	KI7WXP	68	JL3MCM	43
W7YOZ	N1GNB	AA4S	N5LJL	8P6SH
W8GG	N2MH/4	EH7CD	WD5GRW	CT1EEN
WA2ONG		K6CF		HB9AOF
	75	KJ7TEA	56	K4ZIN
81	G4RGK		HB9HIT	LA6OP
AB4I	K3PP	67	KI5WA	
DF3CB	K6VHF/HR9	JG2TSL	LU8ADX	42
KE4DZU	K8QM	KF4JHG	NI6T	HA5PT
N6MM	N5GH	KK4YEL		
N7NEV	NP3YL	W7YED	55	41
NI4Y	W4LVH		LA3MHA	E75AA
W3MC	W5UC	66	SP5APW	
WA4ZXV	WP4NEG	K6KLY	WA2EMF	40
WA8ZNC	ZL3AAU	UX1UA		JR0QFA
			54	WB8TGY
80	74	65	AG4KI	
AC6BW	AK8B	JA1XEC	JR2SQZ	39
K7FR	CX4AAJ	K4IM		AA5PK
KE4PT				

38 DD3KF DG7RO DU1EV HL4GAV K8YSE	27 KC9ELU WP4NIX	PY2XAT SP5XMU SV8CKM	10 DL4CF HB9BOS JH7IMX JH8RZJ JI2UDK PA5KT SV2DCD TF3Y UR7DWW	EA1AAA EA7ZY G6MXL IK8GYS JI5USJ JJ1IDW M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ
37 BA7NQ DS4AOW HL4CJG JA9APS JH9DRL OE3SGU	26 WB7QXU	16 N6VHF TI2CDA	9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS IV3GOW JH7IPR JK6DXD UT5EL VK4ZP XE1SAX
36 JA1WSK	25 EA4/K1WE	15 9K2BM EI2GLB HB9FMN LU5FF PY2RN UT3UA WC2C	8 DF1ZN DH0GSU DK2LO G1VDP JA1CPU JE3PCP JG1JPE JJ2NWI N8RO OH8LXT	3 DJ5AV DL2KQ EA1AR EA4D G3LHJ HA9PP HL2ZN IK0WRB IK8EPC JI1CHH JM1GHT JN1BPM JR6IQI KC0Y PY5IP SA7CJO SV1VN US0YA W1CBY WD9EWK (DM43) YB1TJ YL2CA YL2MU
35 GI4OWA LU9DO UR5WA	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	7 DL1TRK G8APB GM4KHE IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX	
34 G4SEU JL3LSF LA2QM	23 GM4ILS K4SLC KP4EIT W8MK	13 JA2LWD K4AKX K4WY PY2MC W4PWF	6 CT2FEY DU0A EI2JC JA7NGE PY2VA	
33 W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	5 DL5LH	
32 N3LRH SM6WET ZL3TE	21 EA1YN	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHJ KA5WRG PY2DV PY2GM		
31 K7TM	20 CX1FK I1FQH JM1KVV N1WC PY5EW W8LR			
30 E72X JO7WXN WA6DNR	19 DL1TS EA6BB JE2UFF JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)			
29 HL2WA OE4VIE	18 AJ6V KJ4EU W0HBH			
28 CT8/K0RUI E70A JA6CRP JR7ILA K0FMI OH3DP	17 G3LZQ			

2	IW0AFS
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	AUR5EDX
LA2CQ	VR2VGM
OH3KAV	WB7VUF
SV1XV	YO8WW
SV3FUO	
YB2DX	
YL2KF	

1

3A2MW
9A2EY
AJ6T (EM66)
BD4UJ
CT1AHU
DH8BQA
DJ3ZF
DL2DCX
DL4ZAB
DL8GAM
DS5DNO
DS5TOS
EA2AA
EA3WD
EA4GQS
F1VEV
G4CFS
G4VSS
G7SQS
G8TTI
IK5BSC