

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 (20 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	ND0B	485	477	465
AA0MZ	W0FY	K1USA	N5KO	XE2K
AA5AM	W0JW	K9MU	N7ZO	
AA5C	W0LGQ	N0POH	NC6K	464
AA7A	W3CP	W5VY	W6XK	KB9OWD
A15I	W4UDH			W0RH
K0GU	W5ADD	484	474	
K0SIX	W5AFY	AD6D	K7KQA	463
K0TPP	W5AJ	AF5CC	ND4X	NI0G
K1TO	W5EME	A11K		W5XC
K1TOL	W5FF	N5WS	473	
K4PI	W5KI	WQ0P	NQ7R	462
K4XO	W5OZI		WB0O	N6ORB
K5ND	W5TRL	483		
K5RK	W7GJ	AC0RA	472	461
K5UR	W7JW	W0VTT	KB7ME	N4JQQ
K5WE	W7KNT	WA7HQD	WD8JJA	NA9RB
K7BG	W7MEM	WB0ULX	WE9R	
K7CW	W9FF			460
K7ULS	W9JN	482	471	K5OMC
K8SIX	W9RM	K0BJ	N9PGG	K8ZM
K9CT	W9XX	N4WW		KF0M
KA9CFD	WD5K		470	W3UR
KA9FOX	WQ5S	481	K4SO	
KD5M	WS9V	KC7QY	K5RT	458
KG5CCI		W9VHF	N4SIX	K9NW
KM0A	487		WO7R	KG5THG
KM0T	K7MAC	480		N9BCA
KO9A	K9YY	K5GZR	469	NA6MG
KR7O	N0AKC	KC7V	AJ4F	NE1B
KV5W	N7CW	N4TB	K4MY	
N0LL	N7IR	N5EKO		457
N0LWF	N9ISN	XE2OR	468	K4HB
N0PB	NA6L		VE3EK	KB8VAO
N0TB	W3IP	479		W9WO
N1AV	XE2CQ	W5WVO	467	
N3SL		W9RN	NY0V	456
N3XX	486	WB9CIF		AJ4A
N5DG	KX4R		466	N4QS
N5NA	KY7M	478	K3SX	
N5OMG	N0KE	AD1C	KA0JGH	455
N6JV	N7KA	AE5B	KB6NAN	K9MK
N7NW	W5ZN	K6ZH	W5THT	WA9DU
N9LB	WD5COV		WX7M	XE2X
N9UM				

454 WB7CJO	442 AG9S N2QT N4TL NJ6D	426 N5OK W5JAY	N0GZ W4TV	401 K4CKS KM3V
453 K4YMQ K6EID K7PI KB9DAK N9FN	441 K8TB K9KLD	425 K6ML	413 AE5FM WA9LFO	400 KT8O W0JRP W3UUM W7Yaq
452 KK4MA N5BO N8YO N9BX	440 W2IRT	424 K6JJ N4UFP N9AKR W3EP W5PR WB8BPU	412 VE2XK 6M FN07P W7FI	399 NN4R
451 K1HTV K5WBM KD3CQ WA1EAZ	439 K4ZOT K8ROX N4QWZ N5TJ NM5U	423 W4DR	411 N1EVK N9EAT WR7X	398 N8IEZ W1NG
450 KF8MY W0MU	436 NZ3M W3TC WB8ART	422 K0DD VE6WQ WB5JID	410 K3UA KB0V KE7SW KI8G	397 AB4EJ KE4TH KI0E W8LMG
449 KF6HI N8OC W8TN	435 KF6A	421 NE6I	409 K5PI N5SYV	396 AB4SF AG4W KB8U
448 K4XP KP4AJ W3LPL WB8ZBT	434 K1SIX VE3LYC	420 AD5A	408 K7SMA W7BA	395 AA5XE K0AZ K5XM KF7CQ NP4EI/W7 WB4EVH
447 AH0U KS7S N2NL N4SC	433 KE8KMX	419 K7NN W0GN W5AL	407 W4AS W5CIA	394 K6RO
445 KG7CW KU7Z N4LR	432 K3FRK K6GXO N6KK WW1L	418 N4UFO	406 AK3E K6FG K8EB	393 K7XB K7XC KD5XB KV7N
444 K4SSO N7BAV	431 AA1ON K0TLM	417 AA5JF N4HN	405 AA4SC K1GG K5CKS NE9U WA1NLG	392 AF4HX K5HPT W6OMF
443 AB4IQ K5XI N4MM W3LL	429 K5TA K8ZR WA5JCI	416 AC9DX K4RWP K7ND KO4MA NI0P	404 N2ZX VE4EAR W5SUM	391 W4AVY W6TMD
	428 K9APW	415 K7AWB K8JH W0GJ	403 K6VHF NH6T/W4 NY1V	390 KZ2I
		414 K0DEQ K2TER KM8V	402 K3FM	

WF7T	K8VFF N3OC N9JR	W4NH	349 K1GJQ KA0BAD	337 K8ZES W9EWZ WA5RT WW0E
389 W5MO	375 K6QG WB4OQX	362 WA5OLT	348 N1JFU NJ7G	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S
388 K0IP W4WRL	374 K0TT KV7K N6GP N7DB	361 K8BL K9NR KB1EFS N1KDO N8KOL NG4C W4ER	347 W2HRO	
387 KV4T N0FJP N4CH			346 N9XG	
386 JA7QVI KF9UG N7IJ W5TFW W7AH WE4S	371 AA4ZZ N3PS WA6BYA	360 K6UM (CN85) W0NOZ	345 AA8SW W3XY XE2YWH	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA
385 NK1K VE6MB W4WTA	370 K5TN KG8P KN4SM KS4YT N3MK NT0V W4FC	359 AA4FF K0CAO	344 K6FW KB0PE W1OW	
384 K8ROK N2WK W8OP	369 KF8UN N2DPF	358 K5RLA	343 K5EK KK0DX N3RC N6KZ N8HRZ	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC W3ATV WB5TOI
382 VE3YXO	368 N4JP W5RCI W6GMT	357 K4LVV WA9PWP	341 KD7DCR N9LF NX7U WA7YAZ	333 AA4LR K0TC KM4HI N0IGZ W3GQ XE1YY
381 W3VZ	367 KC4HW	356 K7PT	340 K0JDD K1ST N0AN WA9M	
380 K7MCX NK0S WA5LFD	366 KI7JA	355 AA4FL N3AIU (DM45) W1DYJ		
379 AB9BH N8WNA	365 K4JJW K6EME WA7PDC	354 NU6S	339 KE4BKL N2ZZ VA7FC W5VAS WB0OQV	332 AA7UN N4JDB N7KDT VA3IKE W9GM
378 KR4BD	364 AB5EB K0RAR K5KEW N6QQ	353 AF2K K0CS		
377 AB1OC N8LRG NT9E	363 VE7BV W1JR	352 K7LOL VE3DS VE3XN W0KKK XE2ML	338 NA5Z VE3SXE W4MAY W9XA WA5KBH	331 K0SRL K8WDA KC0UDO N4MW W3TI
376 K8GI		351 W7IMC		
		350 N6VI WB4KTF		

330 KB8MBC KG6AY W8PI	321 N0LD N7RO NC7B NS4C W9VA	310 N1NK W9KVR WO4DX	WA2BAH WX2S	289 K2BLA K4MM K9FA N5BCA NQ7G W4LTJ
329 AA1QD N2JJ W2OR W8WG W9DCT WX4G	320 N4DW	309 AA9RR	299 KX7L VE6WK W1LE W8UV WB5GVY	288 K1NU W1DU W4HLR
328 K6ME N5PT W2CNS WB3LHD	318 W4HY	308 WA4HFN	298 K0MLD KD4WSC KK8MM N4IQ W0JM	287 K8DP KC7MRQ N8CGY W7CT WA4NVM
327 KJ5RC N0YO W2JU W7YA	317 KA8SYV W1SKU	307 AG1A KE5K KS4S W9RPM	297 KG5EIU N8YQX	285 AB0S K5CZD K9UO NS7K
326 K2ZD K6LMN K6TDI NG7M W0PR W3HDH W7JLC	316 DK8NE K3FN KA0ABA W4UCK W9BWR	306 K4QE KE8Y KL7HBK WV9L	296 K4XR K6YUI KC7RW	284 AB0RX AD4ES K0KP K4DET KL0S NJ2F (EL96)
325 KF2T WA2AEY WX0Z	315 K0PG K5VH KM3T NY2NY WA8ZID XE1AO	305 K3VAT K6UM (CM88) KT1J N4SV	295 KE4P N6AR N7NT	283 N5OHL NA5DX WA0FQK WB0CQO
324 HC2FG K9SH KU4A N2BJ VE3TMG	314 KU4XO	304 K6IPF NS4T WA0GUD WA8MCD	294 K6JSV	282 AA0ZP N8JCM W4WM
323 N8II W8KEN WO2T	313 JE1BMJ N6NR N7UVH NF4A W4GLV W5RKN	303 EA8DBM K8TGC K8TL N7LAN	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	281 AA8MA JR1LZK K4OY NL7CO W2YE
322 JG1TSG N3ALN VA6SZ	312 AF6O K4NNX KA2GOJ N3KN	302 K2UU KB2TGU	292 KJ6P N4ST W1SSN	280 N0KV NM5Z W1FKF
	311 AC9S KS4XQ W2BZY W5DB	301 N0HJZ W3SW W7IB W9OBG WB0TVY	291 W1WHL W2CCC	
		300 AA4V K0PHP KB6VFC N1RR	290 VE6TA (DO33) WA8EFK	

279 N3JPU W0PPA W0VHF (EL87) W8GJ XE1FAS YV1DIG	W4QK W5DNT W7JY WZ9B	262 K3CWH K5VR N5PA 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 W8FIB WD5ITW	245 AE4M N1IA N3XF VA3CW
277 AC7JM PV8DX	268 K1DT K6OJ KI0HA N9ZTS W0KAN WB9PNU	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	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 JR3REX K8AO KQ5U N1GC N5SMQ	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL
272 KF8QL KO4PRE	263 AK4PR K7MDL K9AAA WB7QBS	255 K8MVZ KG4JPL	248 K1ZZ W6VFA	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD
271 K7NII KB7FUV W3HHN			247 JA1UAV N5DD W3TEF	238 AA3GM JP1LRT W1MJC
270 K4SPD KC9FQD N2LIV NI3K				

237 K3KO	W5LUA	W4IFI W5JMW	N2OA	204 KO0Z LU2DX WA3DRC
236 K0SU K4NK N3FTI N9ATD W5AJX	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 K7BTW N6PM N7XCZ	211 K9FOH KD3HN NE8S PV8BR W2ZDP W5HNK W6AER W6KAP	203 K0VSV K5HYT K5LOW N0HF N8SYF NX0I W1RM W3SZ W9GFB W9VOB WA1KPD
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	202 K1BZ K5GJR WC7X WF8Z WQ5W
234 KE6FCT	226 AF5WN N7CNH N8UR NM5S W0VX W8RD WQ6Q	218 K1XH K4IJQ KB8KVJ NA5C	209 AA4IB W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ
233 K1AFC K3EA N9NJS VE7VZ W8PAT W9TD XE1L	225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	217 ND4V W4DEE	208 AI2N CO8DM KD5HIO PV8ABC	200 4A2MAX K4YJ K5DB K6ZZ LU4FW N7PHY N9AG VA3VU
232 K5FO N9NJY WA2OTC	224 JA8ISU K2RET NJ8J	216 K7RB N0IS NE1F W1AW W5RWF	207 K6US N1BCL N8NJA	199 N3KFV W4OEP WB0YEA
231 AI9L K4MIJ K6HEW KF6GYM W9XT	223 K7UA N2ZA NJ7A	215 AL7OC K2SX K9OHI KI5FJ N2YU N6KW	206 AA9JC AB0CT AK4Y CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	198 4O3A AC8TO JR2HCB N0UK N7EPD W8DM
230 K1ZE KO4MM VA3XJ WB0WAO/8	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ	205 AF4OD K8SD KE4HOA N5ITO W8QID	
229 GD0TEP K6RG KB9RUG KC0VDY KD5IKG KE4UW N4NX NN5DX	221 K5WMH K6CQR N0PSJ N4ION N5UWY	213 K3DFL KI6X W0NBC		
		212 AB5C JF8QNF KF7NN N1SV		

WA7KYM	KN4PPD	182	K2QQ	KI4TZ
197	N9UA	AJ6T CM87	KI4BWW	NS3L
I0WTD	W1ATV	FP/KV1J	NY4I	W1PX
K3EGE	W2OO	K5GMX	SM7FJE	W6IA
N4BAF	W4GE	K8WK	W5ZG	WA2KBZ
W3TW	W8SP	NZ1I	WA8UEG	
W5CTV	WB0DBS	W9JJ		170
		XE1CL		K3LL
	189		176	K9TVG
196	AC0W	181	AD5ZA	N8CN
K0AIZ	KC0MEA	AB9FN	EA5BY	NA2U
K0NR	WA5VKS	K4CMS	JA1OVD	W0PE
N5DUW		K5HDE	K0DI	W4IH
W2AMR	188	KB8YKR	K6ZZ (EM78)	W4JKC
XE2ED	AD7KI	N2WM	KX9X	WK3V
XE2W	KD4HLG	N3XJX	N5QGH	
	W4AZR	N4DTF	N8URE (FM19)	169
195	WA7VHF	N9MSG	N9ARX	K6XC
AA4W	WU9Q	NY0A	NP4BM	KD5OMJ
K2WJ	WX9M	W4RBO	W5AFD	N2BEG
K6VDP		W9BS	WA5IPS	N5XES
KG6WIK	187	WJ1B	WW2R	VE3HHT
	AA8R			W8KNO
194	KC5N	180	175	
K2MRK	KQ0J	K0OST	K3MD	168
N3FA		K4LYN	NE5TX	KG5ZMQ
N9NFT	186	KC1MMC		W2PD
WF1H	K8PT	N1RK	174	W8WEJ
WK8A	K9SG	N6PEQ	K6WRL	W9HT
	KN7K	N6VH	KC0IYT	
193	N0XLR	W5HI	KC6ZWT	167
K9AB	N6ZE		KG7P	K4MQG
KD2NF		179	KU0A	KB1YNT
	185	K1EP	N1MGO	KB9REV
192	AD6W	KU4WD	NA2NY (ex-NA1VT)	KE5EP
AA6AA	KD5BQT	N0LIE	NA6O	N0NHW
N1LF	KU4UC	N0MMA	W3SO	NO0T
N2NB	N8XE	NH7RO	WA2PNI	TG9ADQ
N3CAL	NA2R	VA3DPB		W1BAT
N3NR	PY5CC	W8LHP	173	
N4LXB	W3OU	WA4QMQ	IC8TEM	166
N4TV	W5BPT		K2ZZ	JA3LZS
W6MTR	XE1R	178	K5YPV	KC2GHT
W8FN		HB9EFK	KE4SCY	N5VU
	184	KA2AYR		NA1VT
191	AF5Q	KB0EO	172	NC4RY
K0ITC	K0DEW	KB1RZA	AB9KZ	VA3WEB
K9CS	KR4M	KG5RJ	K5ZED	WB4KXS
KK6OH	N1IBM	N1ZUK	KI4PKW	
N9AMW	N3FX	NQ2O	KJ6HI	165
WA2BKN	N4BG	VE3NRT	VE2PN	K4DXT
WA5CAM		W0ZY	W4ABC	KD5HPT
WD4JHD	183	W1MAD		W0RIC
	K5RQ	WY7FD	171	
190	N0UBL		AA4PB	164
K5ER	W2UDT	177	HP2AT	K2SD
KC2DLD	WC4H	AG4ZE	KC5GSK	K5VWW
			KC5YCH	

KD0UHN KF9US W4CSW WK7G WQ7F	WA7NB	VE3OAT W7APM	K8MN K8WU N9DI W5MPC WO7GI YV4NN	KU0G N7T NA2AA TF3JB W4OV WB2JIL WY0V
163 K2JF K2YSY N5XZ OE6IMD	156 IZ8FFA K2KJ N3RN N9KO VE7VDX	149 AB6CF 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 W6VNIQ (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 K6PSP KC1BUF N8IK VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	141 JA6RJK 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	139 KC7JPC KM2O	134 AB1NS AB4GE AD4TT C6ABB GM4UYE KE5FXE KF6UFO N3AIU (DN70) N8GOU
158 K8CR KI0D N2CG	151 W1ZT W2DXE	144 K0TLG K5TDW K6JRA		
157 K4FX KB8GC KC2WUF	150 KW4BY N9LAH			

W4TKI WA3WZR	128 JR2LJO KC7QAG KJ6SDF KN4DMN N1SFE NR1R W0WT W5ZO W8FR WB2WEO	W9CDL	WD4OHD	115 K9AAN K9MMS KE6TVM KF0QS KF9AF KM5FA N7VGO VK9DX WA3BZT WC7V
133 KA5ETS KC1RET KE1VT W0RT WI5D WW7Q XE2O		123 AC7AF K9SM KB0GT KB0STN KG6DHQ VE3TG W1HS W3DIY W3SE W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX	119 AE5AU K0AWU K1ZN K2SQS K4MSG K7JIZ KF7PCL KP3V KT0P KW7N N4UPX W0QC W4SW W7QQ WI4T WM9M	
132 AB3CV K5VG KW4G N4PPH N7TP NE1I VE3TM WN6K	127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N6UTC VE2JWH W1FLD WA6BIL			114 AC8HU K3RTU KC4GCK NF8M VE1WOW VE3IRR W2JLK W2ZQ W4ALF W4UFO W5DWA WO2C WX4US
131 JR1BAS K3NAT KG9R KT3X N2CJ	126 KJ7G N0BDS N7DGI WB4HUC YL2AO	122 K7AED K7OGW KA9JAC KB4UF KB5WFE KC5UGX N5HYV VE6PY VE7JAC WD0GTy	118 J68AS K4AZV KA4LBD KF6MXK KI7BP KT8X N1QDQ N3JNX N5EIL W2AC / WB2ABK W2AC/WB2ABK WB2KSK	
130 AB0X G4BWP K0GUR K4JKB K8LG KC4NX NG9R NO8D VE1DX VE2Tzt W0PHX W2LES W3FEY WA2SEI WB4YDL WW5W	125 AA7DK K3PU KC5DRI W2AJM W3UQH W4DFU WA6POZ WB4OMM WE1P	121 AE1P K0MFI K4HBI KB2WAL KB5MH KE4JFS NE0P/9 UR0MC W8DN WB9TFH		113 AB4PM AD5MD HB9BZA K3DQB KD4BPZ KD6VCD KM5OL N3JDQ N4YCI N5YK W0BM W8MSP W8VW WD0ENC WU3U
	124 K0DLW KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N9AZZ PV8AAS W1TAM W3KN W6SCQ W7YM	120 EA1YO K2CYE K4AU K4CGY KD0R KD4MZM KD5BRF KE4SCY (FM06) N3YPJ VE1JC VE3XK WA6RAY	117 AB5J K4WS N4USG N5JEH* N5LPT NA7L NU6V W6WE WA1TBV XE2PXN	112 K2MLS K3GD K5WTA KA7T N5HMH W1TR W5DQ W6OAT W7IV W9PN WA8TWM WG3K
129 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR			116 EA4DEI IK7EOT K4RGN KI6QDH KU5B N0VR NO0B W0DHB	

WX3P XE1GK	W8EH W9VNE	WA4MYO	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
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	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 WD5IYT	99 AB0SD AB3TM G4FKA K0YO K4KEW K4WQ K4ZO K5VPQ K7DD K7PAP K9ZZE KA0ZEE KC2IEB KC6X KD4MWO KD6RUH KG9AP KR4UA M5MYH N4FV N7HRT
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 XE1RBV		
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 W8MIL W9RVG			
108 CF3VRQ JA9IPF JP7EIP K5OPB N3MWQ VE3SUB VE7IG VY2RU W4AMP W4CRN W5AAJ				

N7JPF	97	KD6PY	VE3SPW	VE5MX
N7TE	AB8M	KI5TE	W4YZJ	VE7AB
N8GHZ	AJ9C	KM5NU	W5ADA	W2GR
N8YV	K0HB	KR4EE	W5CBF	W3IPA
N9MKC	K0JQZ	KS4V	W5RCQ	W3TA
NB5R	K0QEI	KT5RR	W7JWC	W4LNG
NH6CJ	K0SH	N0WVU	W9SX	W5ODD
NI5W	K0YQ	N2LID	WA2ONK	W5PUF
NS2P	K3HZO (FN20)	N2VHZ	WA3I	W7NX
VE2HAY	K4GTR	N2XK	WA4WR	WA7LHZ
W2HOG	K4JQU	N8PAQ	WB2SIH	WA9BXB
W2VU	K8XF	N8YBY	WD8DOT	WT9U
W5JLC	KA2BSK	NT2A	WS4S	WV2I
W6TJU	KA7EII	NW5Q	XE2AT	WV7S
WA5TRX	KC0YBM	NY2Z		
WB5NHX	KD5CKP	VE2DCP	94	93
WB7VVD	KF4KSN	VE6RGU	AA4RP	AG2A
WK5X	KM4NYI	W1HMM	AB4VT	AG6CV
WW2R (EL09)	KT5WB	W3VHF	AD1DX	AI8F
98	N1VMJ	W4KK	AK8CW	IZ4DPV
AC2RL	N3UMA	W4TMR	HK4SAN	K0IW
AD8Y	N4BH	W7JHS	K0ARM	K0RM
K0KC	N6MA	WA3EEC	K3BEE	K1PTF
K0UD	N9APK	WB0M	K3TUF	K1ZK
K3IXD	N9IO	WB5KJE	K4JRK	K2AK
K3QIA	N9KY	WP4LNY	K4LDC	K2MTS
K4OP	NK7C	95	K8GT	K4DAM
K5HOB	NU0Y	AB9AI	K9DOG	K5TRI
KA1EKR	NV3K	AE0G	K9SUL	K6RM
KE4LGL	VA3FIN	AE5EO	KA2F	K7IP
KG4YOU	W3QT	IK8YTA	KA9UVY	K7TRK
KG7E	W4CWA	K1PNQ	KB4YKC	KB0USF
KJ2G	W4DAS	K4ED	KB7AK	KC5TGT
KK0CQ	W4ID	K8KFJ	KC0AUY	KC5TT
KY0Q	W7DN	K8ME	KC3AK	KC9TTR
N0JJQ	WA6OSX	K8VD	KD4VRZ	KC9UL
N1JHJ	WA9LEY	KD7WH	KE3WM	KD0QG
N3LRP	WB8RVK	KD8DR	KF0LA	KE6AZX
N5TEY	WB8ZTV	KD9ZR	KG4NLZ	KE6UMW
N8AID	WE8L	KI0SK	KU4JZ	KE8RPJ
NO5X	96	KW9U	KV3W	KE9V
NO8R	AD5OW	N1XK	N0LNE	KI0J
VA3VF	AE4TQ	N2SLO	N0LP	KK7MNC
VE4XTZ	AK4F	N2WLS	N2SU	N2BX
W2KRP	K2CK	N3WAV	N3JBH	N2YTF
W6TE	K2UF	N4ET	N3XBG	N3AO
WA2FGK	K2UNK	N5BLY	N3YUG	N3ZBK
WA3TLT	K4EQH	N5ENU	N5ZMP	N4GOA
WB1GQR	K5CRJ	N5KI	N6HY	N4YHC
WB2YDS	K8EMR	N9IV	N6MXU	N7EGY
WD0E	K9OT	N9LJX	N7NH	N7JI
WH6LR	KA2NDX	OE9KFV	N7UN	N7KSI
WT5H	KA3HED	PY2KP	N8WWM	NA9D
WV5Y	KB5GI	VA3KS	N9DD	VA3JFF
	KB8PNS	VA3PZ	N9UNX	VA7QI
	KC0HBP	VE3KZ	VA3MA	VE3WMD
			VE3RX	VK5PJ

W0MHK	K1UR	N4BRF	K1RS	WF4W
W2VTV	K4SPA	N5BA	K3TN	
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 AM	KA8EVR	KT1R
WB5CON	KE1IU	WH6LE	KI2D	N2NF
	KE7RTB	WM7C	KI4RFM	N3MVF
92	KG4QWC	WT4C	KJ4KW	N8TFD
K1EY	KI3O	XE3/K5ENS	KQ4AJI	NZ3O
K5GDX	KI5BLU		KU4S	SV1RK
K5TDA	KM7N	89	N0OK	UT9FJ
K7FU	KM9I	AB1TZ	N1CEO	VA3MDB
K7HKR	KQ6K	AG2AA	N2MKT	VA7LM
K7UWR	N3PPH	AG7NR	N2ZN	VE7IRU
KB0PQP	N3WCM	G4NBS	N4CAG	W8IW
KC4JNW	N6DW	JQ1TIV	N4GN	WA1PMA
KD4QMY	N7CZ	K4BMM	N4KIN	WB4GCS
KE4WBO	N8DEZ	K5CX	N4UC	XE2AU
KG4URP	NR4J	K5JAZ	N5VBK	
KR7X	NU4N	KA0MWA	NS3X	85
N2SG	VA2BBW	KF4TVL	NT4TN	AC3KE
N3GH	W2SUB	KI0G	VE2VLJ	AC9GK
N4VN	W4MLN	KI4FW	W2BZR	EI3IO
N5QO	W5KDA	KI4US	W3YX	K1UU
N6FD	WB0NRV	KR4U	W4DL	K4LRP
N6RPM	WB7X	N2GZ	W4RXR	K5MJP
N7DED	WC4V	N5KAE	W7HDD	KB3MXK
NS6E	XE1GZU	N8YSZ	WA2BTR	KC0V
UT5JAJ		N9RG	WA5MD	KE4DRF
W1PV	90	N9UDX	WK3N	KK4AND
W2ACY	AA0LM	NE2U	WV8O	N2RJ
W2CVW	AB4WL	VE3VCF	XE1SOV	N4LS
W3ACO	AB9DU	W0HRO		NJ1Q
W3GP	AF5BG	W1HY	87	VE3GFN
W3HZU	DL1SMA	W2JEK	AC0A	VE7DAY
W4BP	JH4JNG	W2OK	AG4I	W1WV
W4LIA	K1HC	W4ZMM	K4JC	W3STU
W6NS	K1KA	W6VNQ	K5UZ	W4IT
W8JV	K3CWF	WA7SDI	K5WO	W4RA
W9HBH	K3UAL	WB3IAL	KB1VUN	W6ST
WA3JKB	K4AAP	WM6Y	KC8NAH	W7SIR
WA4EEZ	K4FTP	WQ5C	KE6WOX	W8DQ
WG8E	K4XZ	WR5AY	KI6RRD	W9QY
WM3O	K6UIP	XE2NL	N0ELA	WA4WKL
	K8EAB	XE3DX	N2CJN	WD4LSS
	KA5TJI		NE5S	WF4R
91	KB5FHK	88	NI5F	
AA0CW	KB7BSA	AA4QE	NN7RM	84
AD3Y	KK4DZP	AE0DX	W8GOC	CT3FT
CO2WZ	KW3DX	AE4OF	WB3IGR	K4EZY
HB9ALO	N2ULL	AF4MI	WB8JAY	KE6NDG
K0CFI				

N1KI	KE4PT	CX4AAJ	K4IM	53
N2NWS	KR4Q	KF2TI	K5EJ	K0BBC
VE2WBK	KW1DX	LU4FPZ	N7UJJ	PP1CZ
W8PU	N2NS	VE6SO	OK1MP	
W8SGR	VY2HF	VK4CZ	W4CCS	51
ZS6NK	W2DEN	WC6DX		CT1ETE
	W5TTY		64	N8OFS
83	W7AM	73	K3BQ	OH4UI
AA6E		JF1IRW	WD5GRW (EM13QO)	VE9FCP
DL5XJ	79	VP2MJD		
K1LH	JF1LMB	W4WT	63	50
K4SQC	K4RW		EA1DR	N8MR
K8SIA	K5JBT	72	HL2EIZ	
KB3HHA	KB4DSL	N4II	KB0RFY	49
KB9LIE	KP4N	PV8ADI		HB9RUZ
KK7BV	N2COP		62	
KU4WW	N5YJZ	71	K4DXA	48
N5PD	N9RC	K0GW	N6ZDH	G8BQX
N6KTH	VE3CFK	K4GK		HL2IFR
SV2AEL	W2GW	K5WPN	61	JA9KRO
TG9AKH	W2SKI	NP4TT	CU3AN	K0BBC/R
W7USB	WN0L	W2YR	K4MLB	KI5KC
WD6T		W3FGP	N0GVK	N6DBF
WD9IOK	78	WC5M		NP3IR
WI6Z	IZ8EDJ	70	60	YL3HA
XE1MM	K2QPN	GI4SJQ	HB9BIN	
	SP5QWB	K4BNC	KP4JFR	47
82	TG9AWS	KC0ZRX	S55DX	HB9RYZ
AD4IE	W4NE	N6GEO	UR9QQ	JE1VTZ
CB0ZA	77	W2QO		N6PAZ
K3RJK	K1IFJ	W4GP	58	
K4JMX	MI0AYR		KC6NBI	45
KA5WSS		69	SV8CS	JA6WJL
KC5YKX	76	K3WGR	WA2MUA	K4TXJ
KG4KVZ	K0WYN	W1YM		
N1SF	K6MAA	WD4LBR	57	44
PU8TEP	KI4CYB	YL2JZ	IK1ZOF	WO3T
W5DAS	KI7WXP		JL1UXH	XE2YWH/1
W7YOZ	N1GNB	68	JL3MCM	
W8GG	N2MH/4	AA4S	N5LJL	43
WA2ONG		EH7CD	WD5GRW	8P6SH
	75	K6CF		CT1EEN
81	G4RGK	KJ7TEA	56	HB9AOF
AB4I	K3PP		HB9HIT	K4ZIN
DF3CB	K6VHF/HR9	67	KI5WA	LA6OP
KE4DZU	K8QM	JG2TSL	LU8ADX	
N6MM	N5GH	KF4JHG	NI6T	42
N7NEV	NP3YL	W7YED		HA5PT
NI4Y	US5WE		55	
W3MC	W4LVH	66	LA3MHA	41
WA4ZXV	W5UC	K6KLY	SP5APW	E75AA
WA8ZNC	WP4NEG	KK4YEL	WA2EMF	
XE1EE	ZL3AAU	UX1UA		40
	74	65	54	JR0QFA
80	AK8B	JA1XEC	AG4KI	WB8TGY
AC6BW			JR2SQZ	
K7FR				

39 AA5PK	JR7ILA K0FMI OH3DP	KJ4EU W0HBH	JA6QHQ KA5WRG PY2DV PY2GM	PY2VA
38 DD3KF DG7RO DU1EV HL4GAV K8YSE	27 E70A KC9ELU WP4NIX	17 G3LZQ PY2XAT SP5XMU SV8CKM	10 DL4CF HB9BOS JH7IMX JH8RZJ JI2UDK PA5KT SV2DCD TF3Y UR7DWW	5 DL5LH 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 GM4KHE 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)
35 GI4OWA LU9DO UR5WA	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	7 DL1TRK G8APB IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX	
34 G4SEU JL3LSF LA2QM	23 GM4ILS K4SLC KP4EIT W8MK	13 JA2LWD K4AKX K4WY PY2MC W4PWF		
33 W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB		
32 DM2RM N3LRH SM6WET ZL3TE	21 EA1YN	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB		
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			
28 CT8/K0RUI JA6CRP				

YB1TJ	G7SQS
YL2CA	G8TTI
YL2MU	IK5BSC
	IW0AFS
2	IZ0BTV
5B4ALJ	IZ2CSX
6K5XZE	IZ3DBA
9A2GA	IZ5FSA
9K2NO	JA1GZK
BV6CC	JA7DPC
CO6CBF	JA7VXB
DF3VG	JH8XVT
DF8FT	JI1HNC
DK1CO	JJ1PFC
EH4BPJ	JL2ULM
ES8JX	JN3ONX
F5TMJ	KC3KJQ
G0THY	KG4JSZ
G4DDL	KH6WI
G8GNI	KP4DER
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