

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 (17 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	464
AA0MZ	W0FY	K1USA	N5KO	KB9OWD
AA5AM	W0JW	K9MU	N7ZO	W0RH
AA5C	W0LGQ	N0POH	NC6K	
AA7A	W3CP	W5VY	W6XK	463
AI5I	W4UDH			NI0G
K0GU	W5ADD	484	474	W5XC
K0SIX	W5AFY	AD6D	K7KQA	
K0TPP	W5AJ	AF5CC		462
K1TO	W5EME	AI1K	473	N6ORB
K1TOL	W5FF	N5WS	NQ7R	
K4PI	W5KI	WQ0P	WB0O	461
K4XO	W5OZI			N4JQQ
K5ND	W5TRL	483	472	NA9RB
K5RK	W7GJ	AC0RA	KB7ME	
K5UR	W7JW	W0VTT	WD8JJA	460
K5WE	W7KNT	WA7HQD	WE9R	K5OMC
K7BG	W7MEM	WB0ULX		K8ZM
K7CW	W9FF		470	KF0M
K7ULS	W9JN	482	K4SO	W3UR
K8SIX	W9RM	K0BJ	K5RT	
K9CT	W9XX	N4WW	N4SIX	458
KA9CFD	WD5K		WO7R	K9NW
KA9FOX	WQ5S	481		KG5THG
KD5M	WS9V	KC7QY	469	N9BCA
KG5CCI		W9VHF	AJ4F	NA6MG
KM0A	487		K4MY	NE1B
KM0T	K7MAC	480		
KO9A	K9YY	K5GZR	468	457
KR7O	N0AKC	KC7V	VE3EK	K4HB
KV5W	N7CW	N4TB		KB8VAO
N0LL	N7IR	XE2OR	467	N9PGG
N0LWF	N9ISN		NY0V	W9WO
N0PB	NA6L	479		
N0TB	W3IP	N5EKO	466	456
N1AV	XE2CQ	W5WVO	KA0JGH	AJ4A
N3SL		W9RN	KB6NAN	N4QS
N3XX	486	WB9CIF	W5THT	
N5DG	KX4R		WX7M	455
N5NA	KY7M	478		K9MK
N5OMG	N0KE	AD1C	465	WA9DU
N6JV	N7KA	AE5B	K3SX	XE2X
N7NW	W5ZN	K6ZH	XE2K	
N9LB	WD5COV			454
N9UM				WB7CJO

453 K4YMQ K6EID K7PI KB9DAK	N2QT N4TL NJ6D	425 K6ML	413 AE5FM WA9LFO	400 KT8O W0JRP W3UUM W7YAQ
452 KK4MA N5BO N8YO N9BX	441 K8TB K9KLD	424 K6JJ N4UFP N9AKR W3EP W5PR WB8BPU	412 VE2XK 6M FN07PJ	399 NN4R
451 K1HTV K5WBM KD3CQ WA1EAZ	440 W2IRT	423 W4DR	411 N9EAT WR7X	398 N8IEZ W1NG
450 KF8MY N9FN W0MU	439 K4ZOT K8ROX N4QWZ N5TJ NM5U	422 K0DD VE6WQ WB5JID	410 KB0V KE7SW KI8G	397 AB4EJ KE4TH KI0E W8LMG
449 KF6HI N8OC W8TN	436 NZ3M W3TC WB8ART	421 NE6I	409 K5PI N1EVK N5SYV	396 AB4SF AG4W KB8U W7FI
448 K4XP KP4AJ W3LPL WB8ZBT	435 KF6A	420 AD5A	408 K7SMA W7BA	395 AA5XE K0AZ K5XM KF7CQ NP4EI/W7 WB4EVH
447 AH0U KS7S N2NL N4SC	434 K1SIX VE3LYC	419 K7NN W0GN W5AL	407 W4AS W5CIA	394 K6RO
445 KG7CW KU7Z N4LR	433 KE8KMX	418 N4UFO	406 AK3E K6FG K8EB	393 K7XB K7XC KD5XB KV7N
444 K4SSO N7BAV	432 K3FRK K6GXO N6KK WW1L	417 AA5JF N4HN	405 AA4SC K1GG K5CKS NE9U WA1NLG	392 AF4HX K5HPT W6OMF
443 AB4IQ K5XI N4MM W3LL	431 K0TLM	416 AC9DX K4RWP K7ND KO4MA NI0P	404 N2ZX VE4EAR W5SUM	391 W4AVY W6TMD
442 AG9S	430 AA1ON K1TEO	415 K7AWB K8JH ND4X W0GJ	403 K6VHF NH6T/W4 NY1V	390 KZ2I WF7T
	429 K5TA K8ZR WA5JCI	414 K0DEQ K2TER KM8V N0GZ W4TV	402 K3FM	389 W5MO
	428 K9APW			
	426 N5OK W5JAY			

388 K0IP W4WRL	WB4OQX	WA5OLT	348 N1JFU NJ7G	WW0E
387 KV4T N0FJP N4CH	374 K0TT KV7K N6GP N7DB	361 K8BL K9NR KB1EFS N1KDO N8KOL NG4C W4ER	347 W2HRO	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3XN WO9S
386 KF9UG N7IJ W5TFW W7AH WE4S	372 JA7QVI		346 N9XG	
385 NK1K VE6MB W4WTA	371 AA4ZZ N3PS WA6BYA	360 K6UM (CN85) W0NOZ	345 AA8SW W3XY XE2YWH	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA
384 K8ROK N2WK	370 K5TN KG8P KN4SM KS4YT N3MK NT0V W4FC	359 AA4FF K0CAO	344 K6FW KB0PE W1OW	
382 VE3YXO	369 KF8UN N2DPF	358 K5RLA	343 K5EK KK0DX N3RC N6KZ N8HRZ	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC W3ATV WB5TOI
381 W3VZ	368 N4JP W5RCI W6GMT	357 K4LVV WA9PWP	341 KD7DCR N9LF NX7U WA7YAZ	
380 K7MCX NK0S W8OP WA5LFD	367 KC4HW	356 K7PT	340 K0JDD K1ST N0AN WA9M	333 AA4LR K0TC KM4HI N0IGZ W3GQ XE1YY
379 AB9BH N8WNA	366 KI7JA	355 AA4FL N3AIU (DM45)		
378 KR4BD	365 K4JJW K6EME WA7PDC	354 NU6S	339 KE4BKL N2ZZ VA7FC W5VAS WB0OQV	332 AA7UN N4JDB N7KDT VA3IKE W9GM
377 AB1OC N8LRG NT9E	364 AB5EB K0RAR K5KEW N6QQ	353 AF2K K0CS		
376 K8GI K8VFX N3OC N9JR	363 VE7BV W4NH	352 K7LOL VE3DS W0KKK W1DYJ XE2ML	338 NA5Z VE3SXE W4MAY W9XA WA5KBH	331 K0SRL K8WDA KC0UDO N4MW W3TI
375 K6QG	362 W1JR	351 W7IMC	337 K8ZES W9EWZ WA5RT	330 KB8MBC KG6AY W8PI
		350 N6VI WB4KTF		
		349 K1GJQ KA0BAD		

329 AA1QD N2JJ W2OR W8WG W9DCT WX4G	320 N4DW	309 AA9RR	VE6WK W1LE W8UV WB5GVY	W4LTJ
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	287 K8DP KC7MRQ N8CGY W7CT WA4NVM
326 K2ZD K6LMN K6TDI NG7M W0PR 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 N7RO NC7B NS4C W9VA	312 AF6O K4NNX KA2GOJ N3KN	301 N0HJZ W3SW W7IB W9OBG WB0TVY	291 W1WHL W2CCC	280 N0KV NM5Z W1FKF
	311 AC9S KS4XQ W2BZY W5DB	300 AA4V K0PHP KB6VFC N1RR WA2BAH WX2S	290 VE6TA (DO33) WA8EFK	279 N3JPU W0PPA W0VHF (EL87) W8GJ
	310 N1NK W9KVR WO4DX	299 KX7L	289 K2BLA K4MM K9FA N5BCA NQ7G	

XE1FAS YV1DIG	269 K2IE K3ZO KD5R KF6XA N5EPA N5WD VA2CY WI7P	WA0KBZ	N4GBK N5SIX N7QOZ NR0Q VE3OTL W8FIB WD5ITW	245 AE4M N1IA N3XF VA3CW
278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N	268 K1DT K6OJ KI0HA N9ZTS W0KAN WB9PNU	261 AF2F K3TWK KB8UUZ N3EW W6TCP W9TA	253 F4BKV KG4ERR N2XQM	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD
277 AC7JM PV8DX	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	260 JM1SZY K6JAD K9MQ N6HC NT7C W3DF XE1YD	252 AB5A CT1EEB K1ACL K3NK N9ATF NN4RR VE6NTT	243 JA1QJI K3TC W4EJ
276 HC1BI K2CS K5TWJ K7TAB KD8JSP W9OO	266 K1OA K1WVX K3HPA TG9AJR VE3MSC WB8EJN	259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA	251 AD5JK AE4WG K9QJ KG7NV NN4SS W2LV	242 IT9IPQ K3WW KA3TCC VE3SMA
275 K1MAA K2NJ N4GG W0FK	265 N5KS	258 AB5GU K1NJ K2HAT NA2NY WB7ECS	250 AA9LC KS9J NW6R	241 N6NU W5LO
274 KB1DMX	264 AC8L K4JAF N0TK N5AO NF1O	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/O	249 CT1IUA K8AO KQ5U N1GC N5SMQ	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL
273 KM4H KV1J VE6SH	263 AK4PR K7MDL K9AAA WB7QBS	256 JM1IGJ KL7NW N8ZJN	248 K1ZZ W6VFA	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD
272 KF8QL KO4PRE	262 K3CWH K5VR N5PA ND4DX	255 K8MVZ KG4JPL W4HFZ WA8KNE	247 JA1UAV N5DD W3TEF	238 AA3GM JP1LRT W1MJC
271 K7NII KB7FUV W3HHN		254 KG9Z	246 K0DAS K8YC KK8X N5TIT W4FRA	237 K3KO
270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT W7JY WZ9B				236 K0SU K4NK N3FTI

N9ATD W5AJX	W5HEZ	219 K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	PV8BR W2ZDP W5HNC 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	218 K1XH K4IJQ KB8KVJ NA5C	210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	
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 A12N CO8DM KD5HIO PV8ABC	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ
232 K5FO N9NJY WA2OTC	224 JA8ISU K2RET NJ8J	215 AL7OC K2SX K9OHI KI5FJ N2YU N6KW	207 K6US N1BCL N8NJA	
231 A19L K4MIJ K6HEW KF6GYM W9XT	223 K7UA N2ZA NJ7A	214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ	206 AA9JC AB0CT AK4Y CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	200 4A2MAX K4YJ K5DB K6ZZ LU4FW N7PHY N9AG VA3VU
230 K1ZE KO4MM VA3XJ WB0WAO/8	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	213 K3DFL KI6X W0NBC		199 N3KFV W4OEP WB0YEA
229 GD0TEP K6RG KB9RUG KC0VDY KD5IKG KE4UW N4NX NN5DX W5LUA	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	212 AB5C JF8QNF JR3REX KF7NN N1SV N2OA	205 AF4OD K8SD KE4HOA N5ITO W8QID	198 4O3A AC8TO JR2HCB N0UK N7EPD W8DM WA7KYM
228 K5RUS K7HSJ KF2ZQ N8AIA	220 K7BTW N7XCZ	211 K9FOH KD3HN NE8S	204 KO0Z LU2DX WA3DRC	197 I0WTD K3EGE

N4BAF W3TW W5CTV	W8SP WB0DBS	K8WK NZ1I W9JJ XE1CL	W5ZG WA8UEG	WA2KBZ
196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	189 AC0W KC0MEA WA5VKS	181 AB9FN K4CMS K5HDE KB8YKR N2WM N3XJX N4DTF N9MSG NY0A W4RBO W9BS WJ1B	176 AD5ZA EA5BY JA1OVD K0DI K6ZZ (EM78) 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			169 K6XC KD5OMJ N2BEG N5XES VE3HHT W8KNO
194 K2MRK N3FA N9NFT WF1H WK8A	187 AA8R KC5N KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 K3MD NE5TX	168 KG5ZMQ W2PD W8WEJ W9HT
193 K9AB KD2NF	186 K8PT K9SG KN7K N0XLR N6ZE		174 K6WRL KC0IYT KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI	167 K4MQG KB1YNT KB9REV KE5EP N0NHW NO0T TG9ADQ W1BAT
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	173 IC8TEM K2ZZ K5YPV KE4SCY	166 JA3LZS KC2GHT N5VU NA1VT NC4RY VA3WEB WB4KXS
191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q K0DEW KR4M N1IBM N3FX N4BG	178 HB9EFK KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT W0RIC
190 K5ER KC2DLD KN4PPD N9UA W1ATV W2OO W4GE	183 K5RQ N0UBL W2UDT WC4H	177 AG4ZE K2QQ KI4BWW NY4I SM7FJE	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX W6IA	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G

WQ7F	K2KJ	149	W5MPC	TF3JB
163	N3RN	AB6CF	WO7GI	W4OV
K2JF	N9KO	K4SAN	YV4NN	WB2JIL
K2YSY	VE7VDX	KK9H		WY0V
N5XZ	155	W3UA	143	138
OE6IMD	CT1BWU	WB4VHF	K6JBH	AC0XY
162	K3TD	148	K9QFR	AI6O
AF4GK	K6XN	AC0DQ	KB8RJS	KD7WPJ
K0QB	N5RMS	AG0A	W0HNM	KE0A
KA1R	N7AU	K0RU	W0UHL	KE3D
KD4TDI	N9OBE	K7IU	WB0MMC	KE8RO
UW5ZM	TG9ANF	KB2YSI	WM5H	KQ4KX
W9JJB	VA3NQ	N0TM	142	N3XH
W9VS	WV8DX	N1TOR	NA2X	137
WA1Z	154	N5ZBI	NC4VA	N1SZ
WB0WAO	AE4NT	PV8AJ	W5SWV	N5JGK
161	KB9VMW	W5DM	WA5TKU	SM7AED
K0KVR	KW4OV	W6VNQ (CM88)	WS4V	
K4EA	NZ6N	WB6RAB	141	136
KB3CWQ	W3ZQN	147	JA6RJK	K0XXX
KK9M	W4DWS	AF6AV	K4AR	K4SX
N2YBB	153	IZ1LBG	K9ATX	KC5LK
V44KAI	AA4NC	K6PSP	KT8TD	KC9AXZ
VE3LC	AB4GG	KC1BUF	N9FIV	KJ5RM
W4HOG	K7AD	N8IK	NV4B	KV1E
WA1LAD	K7ZD	VE3CX	W4FS	NO1R
160	N1OFZ	W4YCC	W4POT	W2JCN
AB1QB	N1OFZ	W5WOX	W6ZI	W4AVV
JA1AFR	N2ADV	WA0VPJ	WB9WHQ	W7UV
K5IQ	N6DHz	WA3YGQ	WR7AY	XE2JS
WL7OU	W3DQS	146	140	135
159	W5FI	K2GW	AC5DK	CU3EQ
G0OIL	W9DHI	K8YTO	BA4SI	K4MWB
K4MZ	W9ILY	KB0YH	CO2WF	K8ZIZ
NS7B	WB5ZAM	KB5ZEA	K7SAM	LY3W
W1EME	152	KC2TN	KC0MEZ	N4DB
W4TTO	AA6I	KM5TY	KC8TMU	W6BXQ
WB8NUT	N0RC	N4HID	KJ4KVC	WB8BZK
158	N1NUM	VA2RC	N1EN	WW2DX
K8CR	NU1T	VE1VOX	N3VOP	XE1H
KI0D	UT7QF	145	NJ0U	134
N2CG	WO4G	KD7YZ	VA3FLF	AB1NS
157	151	V31MD	VE3KY	AB4GE
K4FX	W1ZT	VA3TTX	W4GPM	AD4TT
KB8GC	W2DXE	WA4JA	W4TUN	C6ABB
KC2WUF	150	144	W6DQ	GM4UYE
WA7NB	KW4BY	K0TLG	WA4KXY	KE5FXE
156	N9LAH	K5TDW	139	KF6UFO
IZ8FFA	VE3OAT	K6JRA	KC7JPC	N3AIU (DN70)
	W7APM	K8MN	KM2O	N8GOU
		K8WU	KU0G	W4TKI
		N9DI	N7T	WA3WZR
			NA2AA	

133 KA5ETS KC1RET KE1VT W0RT WI5D WW7Q XE2O	KC7QAG KJ6SDF KN4DMN N1SFE NR1R W0WT W5ZO W8FR WB2WEO	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	KE6TVM KF0QS KF9AF KM5FA N7VGO VK9DX WA3BZT WC7V
132 AB3CV K5VG KW4G N4PPH N7TP NE1I VE3TM WN6K	127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N6UTC VE2JWH W1FLD WA6BIL	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	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	121 AE1P K0MFI K4HBI KB2WAL KB5MH KE4JFS NE0P/9 UR0MC W8DN WB9TFH	117 AB5J K4WS N4USG N5JEH* N5LPT NA7L NU6V W6WE WA1TBV XE2PXN	113 AB4PM AD5MD HB9BZA K3DQB KD4BPZ KD6VCD KM5OL N3JDQ N4YCI N5YK W0BM W8MSP W8VW WD0ENC WU3U
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	120 EA1YO K2CYE K4AU K4CGY KD0R KD4MZM KD5BRF KE4SCY (FM06) N3YPJ VE1JC VE3XK WA6RAY WD4OHD		112 K2MLS K3GD K5WTA KA7T N5HMH W1TR W5DQ W6OAT W7IV W9PN WA8TWM WG3K WX3P XE1GK
129 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR	124 K0DLW KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N9AZZ PV8AAS W1TAM W3KN W6SCQ W7YM W9CDL		116 EA4DEI IK7EOT K4RGN KI6QDH KU5B N0VR NO0B W0DHB	
128 JR2LJO			115 K9AAN K9MMS	

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	AB8JH AD6KH K0HAQ K3HW K9AM KA3ZLS KB8CR KC6WFS KC8DMN KD8NYO KE1AU KJ4M KR5V N1HOQ VE7ZD W4RVZ W5DPT W5OV W7UT W9NFL WA4IOB WA8EQP WB5FDP	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 XE1RBV	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 N7JPF N7TE
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 WA4MYO	102 AA9MY	100 AC0FT	
108 CF3VRQ JA9IPF JP7EIP K5OPB N3MWQ VE3SUB VE7IG VY2RU W4AMP W4CRN W5AAJ W8EH W9VNE				

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
98	N3UMA	W4TMR	HK4SAN	K0IW
AC2RL	N4BH	W7JHS	K0ARM	K0RM
AD8Y	N6MA	WA3EEC	K3BEE	K1PTF
K0KC	N9APK	WB0M	K3TUF	K1ZK
K0UD	N9IO	WB5KJE	K4JRK	K2AK
K3IXD	N9KY	WP4LNY	K4LDC	K2MTS
K3QIA	NK7C	95	K8GT	K4DAM
K4OP	NU0Y	AB9AI	K9DOG	K5TRI
K5HOB	NV3K	AE0G	K9SUL	K6RM
KA1EKR	VA3FIN	AE5EO	KA2F	K7IP
KE4LGL	W3QT	IK8YTA	KA9UVY	K7TRK
KG4YOU	W4CWA	K1PNQ	KB4YKC	KB0USF
KG7E	W4DAS	K4ED	KB7AK	KC5TGT
KJ2G	W4ID	K8KFJ	KC0AUY	KC5TT
KK0CQ	W7DN	K8ME	KC3AK	KC9TTR
KY0Q	WA6OSX	K8VD	KD4VRZ	KC9UL
N0JJQ	WA9LEY	KD7WH	KE3WM	KD0QG
N1JHJ	WB8RVK	KD8DR	KF0LA	KE6AZX
N3LRP	WB8ZTV	KD9ZR	KG4NLZ	KE6UMW
N5TEY	WE8L	KI0SK	KU4JZ	KE8RPJ
N8AID	96	KW9U	KV3W	KE9V
NO5X	AD5OW	N1XK	N0LNE	KI0J
NO8R	AE4TQ	N2SLO	N0LP	KK7MNC
VA3VF	AK4F	N2WLS	N2SU	N2BX
VE4XTZ	K2CK	N3WAV	N3JBH	N2YTF
W2KRP	K2UF	N4ET	N3XBG	N3AO
W6TE	K2UNK	N5BLY	N3YUG	N3ZBK
WA2FGK	K4EQH	N5ENU	N5ZMP	N4GOA
WA3TLT	K5CRJ	N5KI	N6HY	N4YHC
WB1GQR	K8EMR	N9IV	N6MXU	N7EGY
WB2YDS	K9OT	N9LJX	N7NH	N7JI
WD0E	KA2NDX	OE9KFV	N7UN	N7KSI
WH6LR	KA3HED	PY2KP	N8WWM	NA9D
WT5H	KB5GI	VA3KS	N9DD	VA3JFF
WV5Y	KB8PNS	VA3PZ	N9UNX	VA7QI
97	KC0HBP	VE3KZ	VA3MA	VE3WMD
AB8M	KD6PY	VE3SPW	VE3RX	VK5PJ
AJ9C	KI5TE	W4YZJ	VE5MX	W0MHK
	KM5NU	W5ADA	VE7AB	W2VTV
			W2GR	W3ZGD

W4VG	K7HPN	VA3XOV	K7CTV	86
W5DMT	K8OI	W9CPV	K7WV	AG1T
W7EIR	KB2YWU	W9CSY	K7ZYV	K7FB
W7TRX	KB3IAI	WA2BEV	K9JF	KA9OKH
W9IFW	KB3NDS	WA8OJR	KB2KIR	KB7JJG
W9NED	KB7AZ	WD9HCF	KC1GWX	KI6HQT
W9WI	KC5POV	WE7H	KC3MLC	KN4MMH
WA5ICA	KC8LGL	WEST SEATTLE AM	KA8EVR	KP4TB
WB5CON	KE1IU	WH6LE	KI2D	KT1R
92	KE7RTB	WM7C	KI4RFM	N2NF
K1EY	KG4QWC	WT4C	KJ4KW	N3MVF
K5GDX	KI3O	XE3/K5ENS	KQ4AJI	N8TFD
K5TDA	KI5BLU	89	KU4S	NZ3O
K7FU	KM7N	AB1TZ	N0OK	SV1RK
K7HKR	KM9I	AG2AA	N1CEO	UT9FJ
K7UWR	KQ6K	AG7NR	N2MKT	VA3MDB
KB0PQP	N3PPH	G4NBS	N2ZN	VA7LM
KC4JNW	N3WCM	JQ1TIV	N4CAG	VE7IRU
KD4QMY	N6DW	K4BMM	N4GN	W8IW
KE4WBO	N7CZ	K5CX	N4KIN	WA1PMA
KG4URP	N8DEZ	K5JAZ	N4UC	WB4GCS
KR7X	NR4J	KA0MWA	N5VBK	XE2AU
N2SG	NU4N	KF4TVL	NS3X	85
N3GH	VA2BBW	KI0G	NT4TN	AC3KE
N4VN	W2SUB	KI4FW	VE2VLJ	AC9GK
N5QO	W4MLN	KI4US	W2BZR	EI3IO
N6FD	W5KDA	KR4U	W3YX	K1UU
N6RPM	WB0NRV	N2GZ	W4DL	K4LRP
N7DED	WB7X	N5KAE	W4RXR	K5MJP
NS6E	WC4V	N8YSZ	W7HDD	KB3MXK
UT5JAJ	XE1GZU	N9RG	WA2BTR	KC0V
W1PV	90	N9UDX	WA5MD	KE4DRF
W2ACY	AA0LM	NE2U	WK3N	KK4AND
W2CVW	AB4WL	VE3VCF	WV8O	N2RJ
W3ACO	AB9DU	W0HRO	XE1SOV	N4LS
W3GP	AF5BG	W1HY	87	NJ1Q
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	K4EZY
K1UR	N2ULL	K1RS	WB8JAY	KE6NDG
K4SPA	N4BRF	K3TN	WF4W	N1KI
K6YK	N5BA	K4XD		N2NWS
	N9JJ			

VE2WBK	KW1DX	LU4FPZ	N7UJJ	51
W8PU	N2NS	VE6SO	OK1MP	CT1ETE
W8SGR	VY2HF	VK4CZ	W4CCS	N8OFS
ZS6NK	W2DEN	WC6DX		OH4UI
	W5TTY		64	VE9FCP
83	W7AM	73	K3BQ	
AA6E		JF1IRW	WD5GRW (EM13Q50)	50
DL5XJ	79	VP2MJD		N8MR
K1LH	JF1LMB	W4WT		
K4SQC	K4RW		63	
K8SIA	K5JBT		EA1DR	49
KB3HHA	KB4DSL	72	HL2EIZ	HB9RUZ
KB9LIE	KP4N	N4II	KB0RFY	
KK7BV	N2COP	PV8ADI		48
KU4WW	N5YJZ		62	G8BQX
N5PD	N9RC	71	K4DXA	HL2IFR
N6KTH	VE3CFK	K0GW	N6ZDH	JA9KRO
SV2AEL	W2GW	K4GK		K0BBC/R
TG9AKH	W2SKI	K5WPN	61	KI5KC
W7USB	WN0L	NP4TT	CU3AN	N6DBF
WD6T		W2YR	K4MLB	NP3IR
WD9IOK	78	W3FGP	N0GVK	YL3HA
WI6Z	IZ8EDJ	WC5M		
XE1MM	K2QPN	70	60	47
	SP5QWB	GI4SJQ	HB9BIN	HB9RYZ
	TG9AWS	K4BNC	KP4JFR	JE1VTZ
82	W4NE	KC0ZRX	S55DX	N6PAZ
AD4IE		N6GEO	UR9QQ	
CB0ZA	77	W2QO	58	45
K3RJK	K1IFJ	W4GP	KC6NBI	JA6WJL
K4JMX	MI0AYR		SV8CS	K4TXJ
KA5WSS		69	WA2MUA	44
KC5YKX	76	K3WGR		WO3T
KG4KVZ	K0WYN	W1YM	57	XE2YWH/1
N1SF	K6MAA	WD4LBR	IK1ZOF	
PU8TEP	KI4CYB	YL2JZ	JL1UXH	43
W5DAS	KI7WXP		JL3MCM	8P6SH
W7YOZ	N1GNB	68	N5LJL	CT1EEN
W8GG	N2MH/4	AA4S	WD5GRW	HB9AOF
WA2ONG		EH7CD		K4ZIN
	75	K6CF	56	LA6OP
81	G4RGK	KJ7TEA	KI5WA	
AB4I	K3PP		LU8ADX	42
DF3CB	K6VHF/HR9	67	NI6T	HA5PT
KE4DZU	K8QM	JG2TSL		
N6MM	N5GH	KF4JHG	55	41
N7NEV	NP3YL	W7YED	LA3MHA	E75AA
NI4Y	US5WE		SP5APW	
W3MC	W4LVH	66	WA2EMF	40
WA4ZXV	W5UC	K6KLY		JR0QFA
WA8ZNC	WP4NEG	KK4YEL	54	WB8TGY
XE1EE	ZL3AAU	UX1UA	AG4KI	
		65	JR2SQZ	39
80	74	JA1XEC		AA5PK
AC6BW	AK8B	K4IM	53	
K7FR	CX4AAJ	K5EJ	K0BBC	38
KE4PT	KF2TI		PP1CZ	DD3KF
KR4Q				

DG7RO DU1EV HL4GAV K8YSE	27 E70A KC9ELU WP4NIX	17 G3LZQ PY2XAT SP5XMU SV8CKM	PY2DV PY2GM	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	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 PY5IP SA7CJO SV1VN US0YA W1CBY WD9EWK (DM43) YB1TJ YL2CA
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 VE6TA (DO31)	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHJ KA5WRG	6 CT2FEY DU0A EI2JC JA7NGE PY2VA	
29 HL2WA OE4VIE				
28 CT8/K0RUI JA6CRP JR7ILA K0FMI OH3DP	18 AJ6V KJ4EU W0HBH			

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
 G7SQS
 G8TTI