

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 (30 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	W6XK	462
AA0MZ	W4UDH	K9MU		K6ZH
AA5AM	W5ADD	N0POH	474	N6ORB
AA5C	W5AFY	W5VY	K7KQA	W5THT
AA7A	W5AJ			
A15I	W5EME	484	473	461
K0GU	W5FF	AD6D	NQ7R	N4JQQ
K1TO	W5KI	AF5CC	WB0O	NA9RB
K1TOL	W5OZI	AI1K		
K4PI	W5TRL	N5WS	472	460
K4XO	W7GJ	WQ0P	KB7ME	K5OMC
K5RK	W7JW		WD8JJA	K5RT
K5UR	W7KNT	483	WE9R	KF0M
K5WE	W7MEM	AC0RA		W3UR
K7CW	W9FF	K1USA	470	
K7ULS	W9JN	W0VTT	N4SIX	458
K8SIX	W9RM	WB0ULX	WO7R	K9NW
K9CT	W9XX			KG5THG
KA9CFD	WD5K	482	469	N9BCA
KA9FOX	WQ5S	K0BJ	AJ4F	NA6MG
KD5M	WS9V			
KG5CCI		481	468	457
KM0A	487	KC7QY	N5EKO	K3SX
KM0T	K0SIX	N4WW	VE3EK	K4HB
KO9A	K0TPP	W9VHF		N9PGG
KR7O	K7MAC	WA7HQD	467	
KV5W	K9YY		NY0V	456
N0LL	N0AKC	480		AJ4A
N0LWF	N7CW	K5GZR	466	N4QS
N0PB	N7IR	N4TB	K4MY	
N0TB	N9ISN	XE2OR	K4SO	455
N1AV	NA6L		KA0JGH	K8ZM
N3SL	W3IP	479	KB6NAN	K9MK
N3XX	XE2CQ	W5WVO	WB9CIF	WA9DU
N5DG		W9RN	WX7M	
N5NA	486			454
N5OMG	K5ND	478	465	WB7CJO
N6JV	K7BG	AD1C	XE2K	
N7NW	KX4R	AE5B		453
N9LB	KY7M		464	K4YMQ
N9UM	N0KE	477	KB9OWD	K7PI
ND0B	N7KA	KC7V		KB9DAK
W0FY	W5ZN	N5KO	463	
W0JW	WD5COV	N7ZO	NI0G	452
W0LGQ		NC6K	W5XC	N5BO

N8YO	K9KLD	424	408	395
N9BX	W3LL	N4UFP	K7SMA	AA5XE
NE1B		N9AKR	W7BA	K0AZ
	440	W3EP		K5XM
451	W2IRT	WB8BPU	407	KF7CQ
K5WBM			K8JH	NP4EI/W7
KD3CQ	439	423	W4AS	WB4EVH
XE2X	K4ZOT	W4DR	W5CIA	
	K8ROX		W5PR	394
450	N4QWZ	422		AA5JF
KF8MY	NM5U	VE6WQ	406	K6RO
		WB5JID	AK3E	
449	438		K6FG	393
KF6HI	N5TJ	419	K8EB	K1GG
KK4MA		K7NN	N4UFO	K7XC
N8OC	436	W0GN		KV7N
W8TN	N9FN	W5AL	405	WR7X
	W3TC		AA4SC	
448	WB8ART	416	K3FRK	392
KP4AJ		K4RWP	K5CKS	AB4SF
W3LPL	435	K7ND	NE9U	AF4HX
	KF6A	KO4MA	W0MU	K5HPT
447		NI0P		W6OMF
AH0U	434		404	
KS7S	K1SIX	415	N2ZX	391
N2NL	VE3LYC	K7AWB	VE4EAR	AD5A
N4SC		ND4X	W5SUM	W4AVY
	432	W0GJ		W6TMD
446	K6GXO		403	
K1HTV	N6KK	414	K6VHF	390
K6EID		K0DEQ	NH6T/W4	AB4EJ
WB8ZBT	431	K2TER		KZ2I
	K0TLM	KM8V	402	W7FI
445	NZ3M	N0GZ	K3FM	
K4XP		W4TV		389
KU7Z	430		401	W5MO
N4LR	K1TEO	413	K4CKS	
WA1EAZ		AE5FM		388
	429	WA9LFO	400	K0IP
444	K8ZR		KT8O	W4WRL
K4SSO	WA5JCI	412	W0JRP	
N7BAV	WW1L	VE2XK 6M FN07PJW3UUM		387
W9WO				AC9DX
	428	411	399	KV4T
443	K9APW	N9EAT	NN4R	N0FJP
AB4IQ				N4CH
K5XI	427	410	398	
N4MM	W0RH	KB0V	N8IEZ	386
		KE7SW	W1NG	KF9UG
442	426	KE8KMX		N7IJ
AG9S	N5OK	KI8G	397	W5TFW
N2QT	W5JAY	N4HN	KE4TH	W7AH
N4TL			KI0E	WE4S
NJ6D	425	409		
	AA1ON	N1EVK	396	385
441	K6ML	N5SYV	KB8U	K7XB
K8TB			WA1NLG	NK1K

VE6MB W4WTA	370 K5TN KG8P KN4SM KS4YT N3MK NT0V W4FC	359 AA4FF K0CAO	W3XY XE2YWH	K9QVB KB4MRX KM3V KN4NN W4ER W9GKA
384 K8ROK N2WK		358 K5RLA	344 K6FW KB0PE W1OW	
382 K5PI VE3YXO	369 KF8UN N2DPF W8LMG	357 K4LVV WA9PWP	343 K5EK N3RC N6KZ N8HRZ	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC WB5TOI
381 AG4W W3VZ		356 K7PT		
380 K7MCX NE6I WA5LFD	368 K0DD W5RCI W6GMT	355 KD5XB N3AIU (DM45)	341 KD7DCR NX7U W7IMC WA7YAZ	333 AA4LR K0TC KK0DX KM4HI N0IGZ W3GQ XE1YY
379 AB9BH N8WNA	367 KC4HW W7YAQ	354 NU6S	340 K0JDD N0AN	
378 KR4BD	366 KI7JA	353 AF2K K0CS	339 KE4BKL VA7FC W5VAS WB0OQV	332 AA7UN N4JDB N7KDT VA3IKE W9GM
377 AB1OC N8LRG NT9E	365 K4JJW K6EME KG7CW WA7PDC	352 VE3DS W0KKK W1DYJ XE2ML		
376 K8GI K8VFF N3OC N9JR	364 AB5EB K0RAR K5KEW N6QQ	351 AA4FL	338 NA5Z VE3SXE W4MAY W9XA WA5KBH	331 K8WDA KC0UDO N4MW W3TI
375 K6QG WB4OQX	363 W4NH	350 KB1EFS N6VI WB4KTF	337 K8ZES W9EWZ WA5RT WW0E	330 KB8MBC KG6AY W8PI
374 K0TT KV7K N6GP N7DB NY1V	362 W1JR WA5OLT	349 K1GJQ KA0BAD		
372 JA7QVI	361 K8BL K9NR N1KDO N8KOL NG4C	348 N1JFU NJ7G	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3XN WO9S	329 AA1QD N2JJ W2OR W8WG W9DCT WX4G
371 AA4ZZ N3PS NK0S WA6BYA	360 K6UM (CN85) W0NOZ	347 W2HRO	335 AK0MR K0VG K5FUV K5FZ	328 K6ME N5PT W2CNS WB3LHD
		346 N9XG W8OP		
		345 AA8SW VE7BV		

327 KJ5RC N0YO N2ZZ W2JU W7YA	W1SKU	WV9L	296 K4XR K6YUI KC7RW	WA4NVM
326 K2ZD K6LMN K6TDI NG7M W3HDH W7JLC WF7T	316 DK8NE K3FN KA0ABA W4UCK W9BWR	305 K3VAT K6UM (CM88) KT1J N4SV WA9M	295 KE4P N6AR N7NT	285 AB0S K5CZD K9UO NS7K
325 WA2AEY WX0Z	315 K5VH NY2NY WA8ZID XE1AO	304 K6IPF NS4T WA0GUD	294 K2UU K6JSV	284 AB0RX K0KP K4DET KL0S NJ2F (EL96)
324 HC2FG K9SH KU4A N2BJ VE3TMG	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN	293 K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	283 N5OHL NA5DX WA0FQK WB0CQO
323 K1ST N8II W8KEN WO2T	313 JE1BMJ N6NR N7UVH NF4A W4GLV W5RKN	302 KB2TGU N3KN	292 KJ6P N4ST W1SSN	282 AA0ZP K5TA N8JCM W4WM
322 JG1TSG N3ALN VA6SZ	312 AF6O KA2GOJ	301 N0HJZ W7IB W9OBG WB0TVY	291 KS4S W1WHL W2CCC	281 AA8MA JR1LZK K4OY NL7CO W2YE
321 N0LD NC7B NS4C W9VA	311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH WX2S	290 WA8EFK	280 N0KV NM5Z W1FKF
320 K7LOL N4DW	310 N1NK W9KVR WO4DX	299 KX7L VE6WK W1LE W8UV WB5GVY	289 K2BLA K4MM K9FA N5BCA N7RO NQ7G W3SW W4LTJ	279 N3JPU W0PPA W0VHF (EL87) W8GJ XE1FAS YV1DIG
319 KF2T N7US	309 AA9RR	298 K0MLD K0PG KD4WSC N4IQ	288 K1NU W1DU W4HLR	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N
318 W4HY	308 WA4HFN	297 KG5EIU N8YQX N9LF	287 K8DP KC7MRQ N8CGY W7CT	
317 KA8SYV	307 AG1A KE5K W3ATV W9RPM			
	306 K4QE KE8Y			

277 AC7JM PV8DX	268 K1DT K6OJ KI0HA N9ZTS W0KAN WB9PNU	K9MQ N5PA N6HC NT7C W3DF XE1YD	252 AB5A CT1EEB K1ACL K3NK N9ATF NN4RR VE6NTT	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	251 AD5JK K9QJ KG7NV NN4SS W2LV	243 JA1QJI K3TC W4EJ
275 K1MAA K2NJ N4GG VE6TA (DO33) W0FK		258	250 AA9LC KS9J NW6R	242 IT9IPQ K3WW KA3TCC VE3SMA
274 KB1DMX WA8MCD	266 K1OA K1WVX TG9AJR VE3MSC WB8EJN	AB5GU K1NJ K2HAT NA2NY WB7ECS	249 CT1IUA K8AO KQ5U N1GC N5SMQ	241 N6NU W5LO
273 KM4H KV1J VE6SH	265 N5KS	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/O	248 K1ZZ W6VFA	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL
272 KF8QL KO4PRE	264 AC8L K4JAF N0TK N5AO NF1O		247 JA1UAV N5DD W3TEF	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD
271 K7NII KB7FUV W3HHN	263 AK4PR K9AAA KK8MM WB7QBS	256 JM1IGJ KL7NW N8ZJN	246 K0DAS K8YC KK8X N5TIT W4FRA	238 AA3GM JP1LRT
270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT W7JY WZ9B	262 K3CWH K5VR ND4DX WA0KBZ	255 K8MVZ KG4JPL W4HFZ WA8KNE		237 K3KO
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 AE4WG N1IA N3XF VA3CW	236 K0SU K4NK N3FTI N9ATD W5AJX
	260 K6JAD	253 F4BKV KG4ERR N2XQM	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W
				234 KE6FCT

233 K1AFC K3EA 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 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	200 4A2MAX K4YJ K5DB K6ZZ LU4FW N7PHY N9AG VA3VU
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	199 N3KFV W4OEP WB0YEA
229 GD0TEP K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX W5LUA	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	213 K3DFL KI6X W0NBC	205 AF4OD K8SD KE4HOA N5ITO W1MJC W8QID	198 AC8TO JR2HCB K9OHI N0UK N7EPD W8DM WA7KYM
228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	212 AB5C JF8QNF JR3REX KF7NN N1SV N2OA	204 KO0Z LU2DX WA3DRC	197 I0WTD K3EGE N4BAF W3TW W5CTV
227 K3HPA K8ZT K9TF KS9A W4KXY XE1GLL	220 K7BTW N7XCZ	211 K9FOH KD3HN NE8S W2ZDP W5HNK W6AER W6KAP	203 K0VSV K5HYT K5LOW N0HF N8SYF NX0I W1RM W3SZ W9GFB W9VOB WA1KPD	196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W
226 AF5WN N7CNH N8UR	219 K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T		
	218 K1XH K4IJQ KB8KVJ KC0VDY NA5C			

195 AA4W K2WJ K6VDP KG6WIK	WU9Q WX9M	NY0A W4RBO W9BS WJ1B	WW2R	N5XES VE3HHT W8KNO
194 4O3A K2MRK N3FA N9NFT WF1H WK8A	187 AA8R KC5N KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 K3MD NE5TX PV8BR	168 KG5ZMQ W2PD W8WEJ
193 K9AB KD2NF	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 N0NHW NO0T TG9ADQ W1BAT
192 AA6AA N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	185 AD6W KD5BQT KU4UC N8XE NA2R PY5CC W3OU W5BPT XE1R	178 KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	173 IC8TEM K2ZZ K5YPV KE4SCY	166 JA1OVD KC2GHT N5VU NC4RY VA3WEB WB4KXS
191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q K0DEW KR4M N1IBM N3FX N4BG	177 AG4ZE K2QQ KI4BWW N2ZA NY4I SM7FJE W5ZG WA8UEG	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT W0RIC
190 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	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F
189 KC0MEA WA5VKS	182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I W9JJ XE1CL			163 K2JF K2YSY N5XZ
188 AD7KI KD4HLG W4AZR WA7VHF	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF N9MSG		170 K9TVG N8CN NA2U W0PE W4IHI W4JKC WK3V	162 AF4GK K0QB KA1R KD4TDI OE6IMD W9JJB W9VS WA1Z WB0WAO

161 K0KVR K4EA KB3CWQ KK9M N2YBB V44KAI VE3LC W4HOG WA1LAD	KW4OV 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 JA3LZS 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	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	143 K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	133 KA5ETS KC1RET KE1VT W0RT WI5D WW7Q XE2O
156 IZ8FFA K2KJ N3RN N9KO VE7VDX	149 AB6CF K4SAN KK9H W3UA WB4VHF	142 NA2X NC4VA W5SWV	137 N1SZ	132 AB3CV K5VG KW4G N4PPH N7TP NE1I
155 CT1BWU K3TD K6XN N5RMS N7AU N9OBE TG9ANF VA3NQ WV8DX	148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N1TOR N5ZBI PV8AJ W5DM W6VNQ (CM88) WB6RAB			
154 AE4NT KB9VMW				

VE3TM WN6K	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	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
130 AB0X K0GUR K4JKB K8LG KC4NX NG9R NO8D VE1DX VE2TZX W0PHX W2LES W3FEY W4DWS 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	116 EA4DEI IK7EOT K4RGN KI6QDH KU5B N0VR NO0B W0DHB	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	119 AE5AU K0AWU K1ZN K2SQS K4MSG K7JIZ KF7PCL KP3V KT0P KW7N N4UPX W0QC W4SW W7QQ WI4T WM9M	115 K9AAN K9MMS KE6TVM KF0QS KF9AF KM5FA N7VGO UW5ZM VK9DX WA3BZT WC7V	111 N0SLT PC3T W8GBH WZ8P
128 JR2LJO KC7QAG KJ6SDF KN4DMN N1SFE W0WT W5ZO W8FR WB2WEO	123 AC7AF K9SM KB0GT KB0STN KG6DHQ VE3TG W1HS W3DIY W3SE W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX		114 AC8HU K2RET K3RTU KC4GCK NF8M VE1WOW VE3IRR	110 G4BWP K5KR K7LD KD5J KI0F KP4JRS KQ4LA KX5U N5TIF N5YM
127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC				

W7JET	K7BWH	N3UPS	W5OV	N3TBB
W7UP	K7JE	N7AGF	W7UT	N4NIA
	KB0TIJ	NJ1H	W9NFL	N5RZK
109	KC7ICM	VE2PIJ	WA4IOB	N5XTR
AK6ZZ	KE5JXC	W1TE	WA8EQP	N7EME
IW1ARB	KJ6MBW	W1ZE	WB5FDP	N8COP
K2DSW	KK2DOG	W4KVS		N8XS
K2JGL	N0RQ	W6ZQ	101	VP2MRM
K2OO	N1USB	W9EBK	AE7V	W2CH
K5DNL	N2IPH	W9MDB	A15WW	W4/KL7GLL
K9GY	N4CE	WB2VUO	K0IN	W4OZK
KE6GLA	N5FPW	WB8BZK/VE3	K0SBV	W8BZY
KJ6CA	N5YHF		K0WJ	W9DQ
KZ7N	N8HM	103	K2NUD	WA5TLP
N8TMW	N9XMU	AA5CK	K5DWI	WV9E
N9TTX	VA3OKG	AB0YM	K5HX	
VE3AAQ	VE3AJY	AB5SS	K7SYS	99
W0YJT	WB6VYH	K2OY	KB1JDX	AB0SD
W1OP	WQ9F	K4MVL	KB4KBS	AB3TM
W4ZRZ		K8ZEE	KC6AWX	K0YO
W5MPC/1	105	KA1W	KC8CSD	K4KEW
W7RJR	AC4Q	KB0FHP	KG8WB	K4WQ
WB6YIY	DS4EOI	KB2SGX	KG9IL	K4ZO
WB9W	K4SJA	KC9FFV	KL2R	K5VPQ
	K9MAL	KF0AIJ	KR4WM	K7DD
108	KB3JGS	KF4DVG	KR7LD	K7PAP
CF3VRQ	KC0JYT	KR4NO	N1IX	K9ZZE
JA9IPF	KC4KK	N0YXE	N4AOE	KA0ZEE
JP7EIP	KF4DGS	N1JIF	N8VEA	KC2IEB
K5OPB	KJ7TH	NF6P	N9DVS	KC6X
K7MDL	N4NQY	NN2D	ON9CMR/W0	KD4MWO
N3MWQ	N5SAN	VE7DXG	VA2LGQ	KD6RUH
VE3SUB	N7YY	W0TF	W4LLP	KG9AP
VE7IG	NE9O	W3LEO	W5KBD	KR4UA
VY2RU	PU4JOE	W6IT	W7ISG	M5MYH
W4AMP	VE3VRQ	W6XU	WB8IMY	N4FV
W4CRN	W8MIL	XE1RBV	WD5IYT	N7HRT
W5AAJ	W9RVG			N7JPF
W8EH	WA4MYO	102	100	N7TE
W9VNE		AA9MY	AC0FT	N8GHZ
	104	AB8JH	A12S	N8YV
107	AB9YC	AD6KH	A19U	N9MKC
JA3EGE	AC5K	K0HAQ	K2UA	NB5R
K5UIC	AC5RN	K3HW	K4UQC	NH6CJ
KF7PG	AC9QR	K9AM	K5GM	NI5W
KI9A	IK4DRY	KA3ZLS	K5KV	NS2P
KK4LUM	K5PPP	KB8CR	K8IJ	VE2HAY
N3TTT	KB9RNO	KC6WFS	K9CC	W2HOG
N9OI	KC1LXO	KC8DMN	KB9ZLB	W2VU
NF0T	KC2TR	KD8NYO	KC2HLI	W5JLC
US0KW	KD9GKL	KE1AU	KC8CC	W6TJU
W2TTT	KJ7OG	KJ4M	KC9CMT	WA5TRX
WB4PPW	KM6WXB	KR5V	KD3SW	WB5NHX
	KO4LZ	N1HOQ	KE5CVM	WB7VVD
106	N0STP	VE7ZD	KF0Q	WK5X
K0MEI	N1LDY	W4RVZ	KG5X	WW2R (EL09)
K5BJW	N2FBQ	W5DPT	KJ5OA	

98	N4BH	W7JHS	HK4SAN	K1PTF
AC2RL	N6MA	WA3EEC	K0ARM	K1ZK
AD8Y	N9APK	WB0M	K3BEE	K2AK
K0KC	N9IO	WB5KJE	K3TUF	K2MTS
K0UD	N9KY	WP4LNY	K4JRK	K4DAM
K3IXD	NK7C		K4LDC	K5TRI
K3QIA	NU0Y	95	K4NNX	K6RM
K4OP	NV3K	AB9AI	K8GT	K7IP
K5HOB	VA3FIN	AE0G	K9DOG	K7TRK
KA1EKR	W3QT	AE5EO	K9SUL	KB0USF
KE4LGL	W4CWA	IK8YTA	KA2F	KC5TGT
KG4YOU	W4DAS	K1PNQ	KA9UVY	KC5TT
KG7E	W4ID	K4ED	KB4YKC	KC9TTR
KJ2G	W7DN	K8BB	KB7AK	KC9UL
KK0CQ	WA6OSX	K8KFJ	KC0AUY	KD0QG
KY0Q	WA9LEY	K8ME	KC3AK	KE6AZX
N0JJQ	WB8RVK	K8VD	KD4VRZ	KE6UMW
N1JHJ	WB8ZTV	KD7WH	KE3WM	KE8RPJ
N3LRP	WE8L	KD8DR	KF0LA	KE9V
N5TEY		KD9ZR	KG4NLZ	KI0J
N8AID	96	KI0SK	KU4JZ	KK7MNC
NO5X	AD5OW	KW9U	KV3W	N2BX
NO8R	AE4TQ	N1XK	N0LNE	N2YTF
VA3VF	AK4F	N2SLO	N0LP	N3AO
VE4XTZ	K2CK	N2WLS	N2SU	N3ZBK
W2KRP	K2UF	N3WAV	N3JBH	N4GOA
W6TE	K2UNK	N4ET	N3XBG	N4YHC
WA2FGK	K4EQH	N5BLY	N3YUG	N7EGY
WA3TLT	K5CRJ	N5ENU	N5ZMP	N7JI
WB1GQR	K8EMR	N5KI	N6HY	N7KSI
WB2YDS	K9OT	N9IV	N6MXU	NA9D
WD0E	KA2NDX	N9LJX	N7NH	VA3JFF
WH6LR	KA3HED	OE9KFV	N7UN	VA7QI
WT5H	KB5GI	PY2KP	N8WWM	VE3WMD
WV5Y	KB8PNS	VA3KS	N9DD	VK5PJ
	KC0HBP	VA3PZ	N9UNX	W0MHK
97	KD6PY	VE3KZ	VA3MA	W2VTV
AB8M	KI5TE	VE3SPW	VE3RX	W3ZGD
AJ9C	KM5NU	W4YZJ	VE5MX	W4VG
K0HB	KR4EE	W5ADA	VE7AB	W5DMT
K0JQZ	KS4V	W5CBF	W2GR	W7EIR
K0QEI	KT5RR	W5RCQ	W3IPA	W7TRX
K0SH	N0WVU	W7JWC	W3TA	W9IFW
K0YQ	N2LID	W9SX	W4LNG	W9NED
K3HZO (FN20)	N2VHZ	WA2ONK	W5ODD	W9WI
K4GTR	N2XK	WA3I	W5PUF	WA5ICA
K4JQU	N8PAQ	WA4WR	W7NX	WB5CON
K8XF	N8YBY	WB2SIH	WA7LHZ	
KA2BSK	NT2A	WD8DOT	WA9BXB	92
KA7EII	NW5Q	WS4S	WT9U	K1EY
KC0YBM	NY2Z	XE2AT	WV7S	K5GDX
KD5CKP	VE2DCP			K5TDA
KF4KSN	VE6RGU	94	93	K7FU
KM4NYI	W1HMM	AA4RP	AG2A	K7HKR
KT5WB	W3VHF	AB4VT	AG6CV	K7UWR
N1VMJ	W4KK	AD1DX	AI8F	KB0PQP
N3UMA	W4TMR	AK8CW	K0IW	KC4JNW

KD4QMY	N8DEZ	K5CX	N4KIN	XE2AU
KE4WBO	NR4J	K5JAZ	N4UC	
KG4URP	NU4N	KA0MWA	N5VBK	85
KR7X	VA2BBW	KF4TVL	NS3X	AC3KE
N2SG	W2SUB	KI0G	NT4TN	AC9GK
N3GH	W4MLN	KI4FW	VE2VLJ	EI3IO
N4VN	W5KDA	KI4US	W2BZR	K1UU
N5QO	WB0NRV	KR4U	W3YX	K4LRP
N6FD	WB7X	N2GZ	W4DL	K5MJP
N6RPM	WC4V	N5KAE	W4RXR	KB3MXK
N7DED	XE1GZU	N8YSZ	W7HDD	KC0V
NS6E		N9RG	WA2BTR	KE4DRF
UT5JAJ	90	N9UDX	WA5MD	KK4AND
W1PV	AA0LM	NE2U	WK3N	N2RJ
W2ACY	AB4WL	VE3VCF	WV8O	N4LS
W2CVW	AB9DU	W0HRO	XE1SOV	NJ1Q
W3ACO	AF5BG	W1HY		VE3GFN
W3GP	DL1SMA	W2JEK	87	VE7DAY
W3HZU	JH4JNG	W2OK	AC0A	W1WV
W4BP	K1HC	W4ZMM	AG4I	W3STU
W4LIA	K1KA	W6VNQ	K4JC	W4IT
W6NS	K3CWF	W9HT	K5UZ	W4RA
W8JV	K3UAL	WA7SDI	K5WO	W6ST
W9HBH	K4AAP	WB3IAL	KB1VUN	W7SIR
WA3JKB	K4FTP	WM6Y	KC8NAH	W8DQ
WA4EEZ	K4XZ	WQ5C	KE6WOX	W9QY
WG8E	K6UIP	WR5AY	KI6RRD	WA4WKL
WM3O	K8EAB	XE2NL	N0ELA	WD4LSS
	KA5TJI	XE3DX	N2CJN	WF4R
91	KB5FHK		NE5S	
AA0CW	KB7BSA	88	NI5F	84
AD3Y	KK4DZP	AA4QE	NN7RM	CT3FT
CO2WZ	KW3DX	AE0DX	W8GOC	K4EZY
HB9ALO	N2ULL	AE4OF	WB3IGR	KE6NDG
K1UR	N4BRF	AF4MI	WB8JAY	N1KI
K4SPA	N5BA	K1RS	WF4W	N2NWS
K6YK	N9JJ	K3TN		VE2WBK
K7HPN	VA3XOV	K4XD	86	W8PU
K8OI	W9CPV	K7CTV	AG1T	W8SGR
KB2YWU	W9CSY	K7WV	K7FB	ZS6NK
KB3IAI	WA2BEV	K7ZYV	KA9OKH	
KB3NDS	WA8OJR	K9JF	KB7JJG	83
KB7AZ	WD9HCF	KB2KIR	KI6HQT	AA6E
KC5POV	WE7H	KC1GWX	KN4MMH	DL5XJ
KC8LGL	WEST SEATTLE AND KCBUR	KC3BUL	KP4TB	K1LH
KE1IU	WH6LE	KE8UM	KT1R	K4SQC
KE7RTB	WM7C	KI2D	N2NF	K6JJ
KG4QWC	WT4C	KI4RFM	N3MVF	K8SIA
KI3O	XE3/K5ENS	KJ4KW	N8TFD	KB3HHA
KI5BLU		KQ4AJI	NZ3O	KB9LIE
KM7N	89	KU4S	SV1RK	KK7BV
KM9I	AB1TZ	N0OK	VA3MDB	KU4WW
KQ6K	AG2AA	N1CEO	VA7LM	N5PD
N3PPH	AG7NR	N2MKT	VE7IRU	N6KTH
N3WCM	G4NBS	N2ZN	W8IW	SV2AEL
N6DW	JQ1TIV	N4CAG	WA1PMA	TG9AKH
N7CZ	K4BMM	N4GN	WB4GCS	W7USB

WD6T WD9IOK WI6Z XE1MM	78 IZ8EDJ K2QPN SP5QWB TG9AWS W4NE	WC5M	60 HB9BIN IZ4DPV KP4JFR S55DX UR9QQ	JE1VTZ N6PAZ
82 AD4IE CB0ZA K3RJK K4JMX KA5WSS KC5YKX KG4KVZ N1SF PU8TEP W5DAS W7YOZ W8GG WA2ONG	77 K1IFJ MI0AYR	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	58 KC6NBI SV8CS WA2MUA	46 HB9RUZ
81 AB4I DF3CB KE4DZU N6MM N7NEV NI4Y W3MC WA4ZXV WA8ZNC XE1EE	76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	69 K3WGR W1YM WD4LBR YL2JZ	57 IK1ZOF JL1UXH JL3MCM N5LJL WD5GRW	45 JA6WJL K4TXJ
80 AC6BW G4FKA K7FR KE4PT KR4Q KW1DX N2NS VY2HF W2DEN W5TTY W7AM	75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL US5WE W4LVH W5UC WP4NEG ZL3AAU	68 AA4S EH7CD K6CF KJ7TEA	56 KI5WA LU8ADX NI6T	44 WO3T XE2YWH/1
79 K4RW K5JBT KB4DSL KP4N N2COP N5YJZ N9RC VE3CFK W2GW W2SKI WN0L	74 AK8B CX4AAJ KF2TI LU4FPZ VE6SO VK4CZ WC6DX	67 JG2TSL KF4JHG W7YED	55 LA3MHA SP5APW WA2EMF	43 8P6SH CT1EEN K4ZIN
	73 JF1IRW VP2MJD W4WT	66 K6KLY KK4YEL UX1UA	54 AG4KI	42 HA5PT W0PR
	72 N4II PV8ADI	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	53 K0BBC PP1CZ	41 E75AA LA6OP
	71 K0GW K4GK K5WPN NP4TT W2YR W3FGP	64 K3BQ WD5GRW (EM13Q50)	51 CT1ETE N8OFS OH4UI VE9FCP	40 JF1LMB JR0QFA WB8TGY
		63 EA1DR HL2EIZ KB0RFY	50 N8MR	39 AA5PK
		62 K4DXA N6ZDH	48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA	38 DD3KF DG7RO DU1EV K8YSE
		61 CU3AN K4MLB N0GVK	47 HB9RYZ	37 BA7NQ HL4CJG JA9APS JH9DRL OE3SGU
				36 JA1WSK
				35 GI4OWA LU9DO UR5WA

34 G4SEU JL3LSF LA2QM	23 GM4ILS K4SLC KP4EIT W8MK	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	JA2FGL JE1LFX KD3UY S51NM	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS GM4KHE IV3GOW JH7IMX JH7IPR JK6DXD UT5EL VK4ZP XE1SAX
33 W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH		8 DF1ZN DH0GSU DK2LO G1VDP JA1CPU JE3PCP JJ2NWI N8RO OH8LXT	
32 DM2RM N3LRH SM6WET ZL3TE	21 EA1YN	13 K4AKX K4WY PY2MC W4PWF		
31 K7TM	20 CX1FK I1FQH JM1KVV N1WC PY5EW W8LR	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	7 DL1TRK G8APB HB9AOF IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX	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
30 E72X JO7WXN WA6DNR	19 DL1TS EA6BB JE2UFF JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHJ KA5WRG PY2DV PY2GM	6 CT2FEY DU0A EI2JC JA7NGE JG1JPE PY2VA	
29 HL2WA OE4VIE	18 AJ6V HL4GAV KJ4EU W0HBH	10 DL4CF HB9BOS JH8RZJ JI2UDK PA5KT SV2DCD TF3Y UR7DWW	5 DL5LH EA1AAA EA7ZY G6MXL IK8GYS JI5USJ JJ1IDW KB8VAO M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ	
28 CT8/K0RUI JA6CRP JR7ILA K0FMI OH3DP	17 G3LZQ PY2XAT SP5XMU SV8CKM W0JM	9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL		2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF3VG DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL
27 E70A KC9ELU WP4NIX	16 N6VHF TI2CDA			
26 DS4AOW WB7QXU	15 9K2BM EI2GLB HB9FMN HB9HIT LU5FF PY2RN UT3UA WC2C			
25 EA4/K1WE				
24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO				

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
 MM0INH