

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 (05 Oct 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	N5OMG	486	479	470	461
AA0MZ	N6JV	KY7M	N7ZO	K4SO	NA9RB
AA5AM	N7NW	N0KE	W5WVO	K5RT	W3UR
AA5C	N9LB	N7KA	WB9CIF	WO7R	
AA7A	N9UM	W5ZN			460
AI5I	ND0B	WD5COV	478	469	K5OMC
K0GU	W0FY		AD1C	AJ4F	K8ZM
K0SIX	W0JW	485	AE5B	K4MY	KF0M
K0TPP	W0LGQ	AD6D	K6ZH	K7PI	
K1TO	W3CP	K1USA		XE2K	458
K1TOL	W4UDH	K9MU	477		K9NW
K4PI	W5ADD	N0POH	N5KO	468	KG5THG
K4XO	W5AFY	N5WS	NC6K	K9MK	N9BCA
K5ND	W5AJ	W5VY	W6XK		NE1B
K5RK	W5EME			467	
K5UR	W5FF	484	476	K3SX	457
K5WE	W5KI	AF5CC	K5XI	KB9DAK	K4HB
K7BG	W5OZI	AI1K	N4SIX	NY0V	W9WO
K7CW	W5TRL	WQ0P		W5THT	WB7CJO
K7ULS	W7GJ		475		
K8SIX	W7JW	483	ND4X	466	456
K9CT	W7KNT	AC0RA		KA0JGH	AJ4A
KA9CFD	W7MEM	W0VTT	474	KB6NAN	
KA9FOX	W9FF	WA7HQD	K7KQA	N4QS	455
KD5M	W9JN	WB0ULX		NA6MG	KF8MY
KG5CCI	W9RM		473	WX7M	WA9DU
KM0A	W9XX	482	NQ7R		XE2X
KM0T	WD5K	K0BJ	VE3EK	465	
KO9A	WQ5S	N4WW	WB0O	N4JQQ	453
KR7O	WS9V	W9RN			K4YMQ
KV5W		W9VHF	472	464	K6EID
KX4R	487		KB7ME	KB9OWD	N9FN
N0LL	K7MAC	481	N7BAV		
N0LWF	K9YY	KC7QY	WD8JJA	463	452
N0PB	N0AKC		WE9R	KB8VAO	KK4MA
N0TB	N7CW	480		NI0G	KV7N
N1AV	N7IR	K5GZR	471	W3UUM	N5BO
N3SL	N9ISN	KC7V	N9PGG	W5XC	N8YO
N3XX	NA6L	N4TB	W0RH		N9BX
N5DG	W3IP	N5EKO		462	
N5NA	XE2CQ	XE2OR		N6ORB	

451 K1HTV K5WBM KD3CQ WA1EAZ	W2IRT WB8BPU	425 K6ML	413 WA9LFO	403 K6VHF	391 W4AVY W6TMD
450 NE9U W0MU	439 K8ROX N4QWZ N5TJ NM5U	424 K6JJ N4UFP N9AKR W3EP W5PR	412 KT8O VE2XK 6M FN07PJ	402 K3FM	390 WF7T
449 KF6HI N8OC W8TN	436 NZ3M W3TC WB8ART	423 W4DR	411 N1EVK N9EAT WR7X	401 K4CKS KM3V	389 W5MO
448 K4XP KP4AJ W3LPL WB8ZBT	435 KF6A	422 VE6WQ WB5JID	410 K3UA KB0V KE7SW K18G	400 W0JRP W7FI	388 K0IP W4WRL
447 AH0U KS7S N2NL N4SC	434 AA1ON K1SIX VE3LYC	421 NP4EI/W7	409 K5PI N5SYV N9JR VE3DS	399 N3PS NN4R	387 KV4T N0FJP N4CH
445 KG7CW KU7Z N4LR	433 AB9BH KE8KMX WW1L	420 AD5A	408 K7SMA KZ2I NY1V W7BA WA1NLG	398 N8IEZ W1NG	386 JA7QVI N7IJ W5TFW W7AH WE4S
444 K4SSO W3LL	432 K3FRK K6G XO N6KK	419 K7NN W0GN W5AL	407 W4AS W5CIA W7YAAQ	397 AB4EJ KE4TH KI0E W8LMG	385 K0JDD NK1K VE6MB W4WTA
443 AB4IQ N4MM	431 K0TLM	418 AA5JF N4HN	406 AK3E K6FG K8EB	396 AB4SF AG4W KB8U N3OC	384 K8ROK N2WK W8OP
442 AG9S K4ZOT N2QT N4TL NJ6D	430 K0DD K1TEO	417 AA5JF N4HN	405 AA4SC K1GG K5CKS	395 AA5XE K0AZ K5XM KF7CQ WB4EVH	383 N8LRG VE3YXO
441 K8TB K9KLD	429 K5TA K8ZR WA5JCI	416 AC9DX K4RWP K7ND KO4MA NI0P	404 KF9UG N2ZX NH6T/W4 VE4EAR W5SUM	394 K6RO	382 N8LRG VE3YXO
440 AE5FM	428 K9APW	415 K7AWB K8JH W0GJ		393 K7XB K7XC KD5XB	381 NK0S W3VZ
	426 N5OK NE6I W5JAY	414 K0DEQ K2TER KM8V N0GZ W4TV		392 AF4HX K5HPT W6OMF	380 K7MCX WA5LFD

378 KR4BD	365 K4JJW K6EME WA7PDC	NU6S	341 KD7DCR N9LF NX7U WA7YAZ	N9DR VE1JBC W3ATV WB5TOI XE1YY	326 K2ZD K6LMN K6TDI NG7M W0PR W3HDH W7JLC
377 AB1OC NT9E W1DYJ	364 AB5EB K0RAR K5KEW N6QQ	353 AF2K K0CS	340 N0AN WA9M	333 AA4LR K0TC KM4HI N0IGZ W3GQ	
376 K8GI K8VFX	363 VE7BV W1JR W4NH	352 K7LOL VE3XN W0KKK XE2ML	339 KE4BKL N2ZZ VA7FC W5VAS WB0OQV		325 KF2T WA2AEY WX0Z
375 K6QG WB4OQX		351 W7IMC		332 AA7UN N4JDB N7KDT VA3IKE W9GM	324 HC2FG K9SH KU4A N2BJ VE3TMG
374 K0TT KV7K N6GP N7DB	362 KB1EFS WA5OLT	350 N6VI WB4KTF	338 AI9L NA5Z VE3SXE W4MAY W9XA WA5KBH		
371 AA4ZZ WA6BYA	361 K8BL K9NR N1KDO N8KOL NG4C W4ER	349 K1GJQ KA0BAD	337 K8ZES W9EWZ WA5RT WW0E	331 K0SRL K8WDA KC0UDO N4MW W3TI	323 N8II W8KEN WO2T
370 K5TN KG8P KN4SM KS4YT N3MK NN9X NT0V W4FC	360 K6UM (CN85) W0NOZ	348 N1JFU NJ7G		330 KB8MBC KG6AY W8PI	322 JG1TSG N3ALN VA6SZ
369 K0VG KF8UN N2DPF	359 AA4FF K0CAO	347 W2HRO	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S		321 N0LD N7RO NC7B NS4C W9VA
368 N4JP W5RCI W6GMT	358 K5RLA	346 N9XG	335 AK0MR K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA	329 AA1QD N2JJ W2OR W8WG W9DCT WX4G	320 KG5EIU N4DW
367 KC4HW	357 K4LVV WA9PWP	344 K6FW KB0PE W1OW		328 K6ME N5PT W2CNS WB3LHD	319 N7US
366 KI7JA	356 K7PT	343 K1ST K5EK KK0DX N3RC N3YT N6KZ N8HRZ	334 AD7OV K0OOK K3TRM N4UFO (EM95)		318 W4HY
	355 AA4FL N3AIU (DM45)				317 KA8SYV W1SKU
	354 KE8Y NP4EI				

316 DK8NE K3FN KA0ABA W4UCK W9BWR	W9RPM	298 K0MLD KD4WSC KK8MM N4IQ W0JM	NQ7G W4LTJ	280 N0KV NM5Z W1FKF	271 K7NII KB7FUV W3HHN
315 K0PG K5VH KM3T NY2NY WA8ZID XE1AO	306 K4QE KL7HBK WV9L	297 N8YQX	288 K1NU W1DU W4HLR	279 N3JPU N6PM W0PPA W0VHF (EL87) W8GJ XE1FAS YV1DIG	270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT W7JY WZ9B
314 KU4XO	305 K3VAT K6UM (CM88) KT1J N4SV	296 K4XR K6YUI KC7RW XE1EE	287 K8DP KC7MRQ N8CGY W7CT WA4NVM	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N	269 K2IE K3ZO KD5R KF6XA N5EPA N5WD VA2CY
313 JE1BMJ N6NR N7UVH NF4A W4GLV W5RKN	304 K6IPF NS4T WA0GUD WA8MCD	295 KE4P N6AR N7NT	286 CT1IUA		
312 AF6O K4NNX KA2GOJ N3KN	303 EA8DBM K8TGC K8TL N7LAN	294 K6JSV	285 AB0S K5CZD K9UO NS7K		
311 AC9S KS4XQ W2BZY W5DB	302 K2UU KB2TGU W0ADL	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	284 AB0RX AD4ES K0KP K4DET KL0S NJ2F (EL96)	277 AC7JM PV8DX	268 K6OJ KI0HA N9ZTS W0KAN WB9PNU
310 N1NK W9KVR WO4DX	301 N0HJZ W3SW W7IB W9OBG WB0TVY	292 KJ6P N4ST W1SSN	283 N5OHL NA5DX WA0FQK WB0CQO	276 HC1BI K2CS K5TWJ K7TAB KD8JSP W9OO	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB
309 AA9RR	300 AA4V CT1EEB K0PHP KB6VFC N1RR WA2BAH WX2S	291 W1WHL W2CCC WI7P	282 AA0ZP K1DT N8JCM W4WM	275 K1MAA K2NJ N4GG W0FK	
308 WA4HFN	299 KX7L VE6WK W1LE W8UV WB5GVY	290 AF2F VE6TA (DO33) WA8EFK	281 AA8MA JR1LZK K4OY NL7CO W2YE	274 K8YC KB1DMX	266 K1OA K1WVX K3HPA TG9AJR VE3MSC WB8EJN
307 AG1A KE5K KS4S		289 K2BLA K4MM K9FA N5BCA		273 KM4H KV1J VE6SH	265 N5KS
				272 KF8QL KO4PRE	

264 AC8L K4JAF N0TK N5AO NF1O	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/O	250 AA9LC KS9J NW6R	241 N6NU W5LO	232 K5FO N9NJY	N2WSY PV8AZ W8AKS WN6W
263 AK4PR K0NO K7MDL K9AAA WB7QBS	256 JM1IGJ KL7NW KN4PPD N8ZJN	249 JR3REX K8AO KQ5U N1GC N5SMQ	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL	231 K4MIJ K6HEW KF6GYM W9XT	224 K2RET NJ8J
262 K3CWH K5VR N5PA ND4DX WA0KBZ	255 K8MVZ KG4JPL W4HFZ WA8KNE	248 K1ZZ W6VFA	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD	230 K1ZE KO4MM VA3XJ WB0WAO/8	223 K7UA N2ZA NJ7A
261 K3TWK KB8UUZ N3EW W6TCP W9TA	254 KG9Z N4GBK N5SIX N7QOZ NR0Q VE3OTL W8FIB WD5ITW	247 JA1UAV N5DD W3TEF	238 AA3GM JP1LRT W1MJC	229 GD0TEP K6RG KB9RUG KC0VDY KD5IKG KE4UW N4NX NN5DX W5LUA	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT
260 JM1SZY K6JAD K9MQ N6HC NT7C W3DF XE1YD	253 F4BKV KG4ERR N2XQM	246 K0DAS KK8X N5TIT W4FRA	237 K3KO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW
259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA	252 AB5A K1ACL K3NK N9ATF NN4RR VE6NTT	245 AE4M N1IA N3XF VA3CW	236 K0SU K4NK N3FTI N9ATD W5AJX		220 K7BTW N7XCZ
258 AB5GU K1NJ K2HAT NA2NY NA5C WB7ECS	251 AD5JK AE4WG K9QJ KG7NV NN4SS W2LV	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	235 ND0C VO1GO WB6RJH WT2P WZ9W	227 K8ZT K9TF KS9A W4KXY XE1GLL	219 K2RKJ K6ZZ (EM78) KE5RV W6DPD W7ZSL WB2WIH (FN20)
		243 JA1QJI JA8ISU K3TC W4EJ	234 JR2HCB KE6FCT	226 AF5WN N7CNH N8UR NM5S W0VX W8RD WQ6Q	218 K1XH K4IJQ KB8KVJ
		242 IT9IPQ K3WW KA3TCC VE3SMA	233 K1AFC K3EA N9NJS VE7VZ W8PAT W9TD XE1L	225 AC9O KX9X (EN50)	217 ND4V W4DEE

216 K7RB N0IS NE1F W1AW W5RWF	209 AA4IB W5WGF WA4NFO XE2N	W9VOB WA1KPD	K0NR N5DUW W2AMR XE2ED XE2W	189 AC0W KC0MEA WA5VKS	FP/KV1J K5GMX K8WK NZ1I W9JJ XE1CL
215 AL7OC K2SX K9OHI KI5FJ N2YU N6KW	208 AI2N CO8DM KD5HIO PV8ABC	202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W K2WJ K6VDP KG6WIK	188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N9MSG NY0A W4RBO W9BS WJ1B
214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ	207 K6US N1BCL N8NJA	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ	194 K2MRK N3FA N9NFT WF1H WK8A	187 AA8R KQ0J N2WM	
213 K3DFL KI6X W0NBC	206 AB0CT AK4Y CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	200 4A2MAX K4YJ K5DB K6ZZ LU4FW N7PHY N9AG VA3VU WB2AA	193 K9AB KC5N KD2NF	186 K8PT K9SG KN7K N0XLR N6ZE	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI
212 AB5C JF8QNF KF7NN N1SV N2OA	205 AF4OD K3LL K8SD KE4HOA N5ITO W8QID	199 N3KFB W4OEP WB0YEA	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
211 K9FOH KD3HN NE8S PV8BR W2ZDP W5HNC W6AER W6KAP	204 KO0Z LU2DX WA3DRC	198 4O3A AC8TO N0UK N7EPD W8DM WA7KYM	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q K0DEW KR4M N1IBM N3FX N4BG N4DTF	178 HB9EFK JR2LJO KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD
210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	203 K0VSV K5HYT K5LOW N0HF N8SYF NX0I W1RM W3SZ W9GFB	197 I0WTD K3EGE N4BAF W3TW W5CTV	190 K5ER KC2DLD N9UA W1ATV W2OO W4GE W8SP WB0DBS	183 K5RQ N0UBL W2UDT WC4H	
		196 K0AIZ		182 AJ6T CM87	

177 AG4ZE K2QQ KI4BWW NY4I SM7FJE W5ZG WA8UEG	171 AA4PB HP2AT JA6RJK KC5GSK KC5YCH KI4TZ NS3L W1PX W6IA WA2KBZ	165 K4DXT KD5HPT W0RIC	W4TTO WB8NUT	152 AA6I N0RC N1NUM NU1T UT7QF WO4G	146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX
176 AD5ZA EA5BY JA1OVD K0DI KX9X N5QGH N8URE (FM19) N9ARX NP4BM W5AFD WA5IPS WW2R	170 K9TVG N8CN NA2U W0PE W4IHI W4JKC WK3V	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	157 K4FX KB8GC KC2WUF WA7NB	151 W1ZT W2DXE	145 KD7YZ V31MD VA3TTX WA4JA
175 IZ8FFA K3MD NE5TX	169 K6XC KD5OMJ N2BEG N5XES VE3HHT W8KNO	163 K2JF K2YSY N5XZ OE6IMD	156 K2KJ N3RN N9KO VE7V DX	150 KW4BY N9LAH VE3OAT W7APM	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI YV4NN
174 K6WRL KC0IYT KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1V67) NA6O W3SO WA2PNI	168 KG5ZMQ W2PD W8WEJ W9HT	162 AF4GK K0QB KA1R KD4TDI UW5ZM W9JJB W9VS WA1Z WB0WAO	155 CT1BWU K3TD K6XN N5RMS N7AU N9OBE TG9ANF VA3NQ WV8DX	149 AB6CF IK7EOT K4SAN KK9H W3UA WB4VHF	143 K6JBH K9QFR KB8RJS W0HNM W0UHL WB0MMC WM5H
173 IC8TEM K2ZZ K5YPV KE4SCY	167 K4MQG KB1YNT KB9REV KE5EP N0NHW NO0T TG9ADQ W1BAT	161 K0KVR K4EA KB3CWQ KK9M N2YBB V44KAI VE3LC W4HOG WA1LAD	154 AE4NT KB9VMW KW4OV NZ6N W3ZQN W4DWS	148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N1TOR N5ZBI PV8AJ W5DM W6VNQ (CM88) WB6RAB	142 NA2X NC4VA W5SWV WA5TKU WS4V
172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	166 JA3LZS KC2GHT N5VU NA1VT NC4RY VA3WEB WB4KXS	160 AB1QB JA1AFR K5IQ WL7OU	153 AA4NC AB4GG K7AD K7ZD N1OFZ N2ADV N6DHz W3DQS W5FI W9DHI W9ILY WB5ZAM	147 AF6AV IZ1LBG JR1BAS K6PSP KC1BUF N8IK VE3CX W4YCC W5WOX WA0VPJ WA3YGG	141 K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI

WB9WHQ	KV1E	KT3X	VE2JWH	W8KHP	KW7N
WR7AY	NO1R	N2CJ	W1FLD	WA8WV	N4UPX
	W2JCN		WA6BIL	WB2RVX	W0QC
140	W4AVV	130			W4SW
AC5DK	W7UV	AB0X	126	122	W7QQ
BA4SI	XE2JS	G4BWP	KJ7G	K7AED	WI4T
CO2WF		K0GUR	N0BDS	K7OGW	WM9M
K7SAM	135	K4JKB	N7DGI	KA9JAC	
KC0MEZ	CU3EQ	K8LG	WB4HUC	KB4UF	118
KC8TMU	K4MWB	KC4NX	YL2AO	KB5WFE	J68AS
KJ4KVC	K8ZIZ	NG9R		KC5UGX	K4AZV
N1EN	LY3W	NO8D	125	N5HYV	KA4LBD
N3VOP	N4DB	VE1DX	AA7DK	VE6PY	KF6MXK
NJ0U	W6BXQ	VE2TZT	K3PU	VE7JAC	KI7BP
VA3FLF	WB8BZK	W0PHX	KC5DRI	WD0GTY	KT8X
VE3KY	WW2DX	W2LES	W2AJM		N1QDQ
W4GPM	XE1H	W3FEY	W3UQH	121	N3JNX
W4TUN		WA2SEI	W4DFU	AE1P	N5EIL
W6DQ	134	WB4YDL	WA6POZ	K0MFI	W2AC / WB2ABK
WA4KXY	AB1NS	WW5W	WB4OMM	K4HBI	W2AC/WB2ABK
	AB4GE		WE1P	KB2WAL	WB2KSK
	C6ABB	129		KB5MH	
139	GM4UYE	8P6ET	124	KE4JFS	117
KC7JPC	HK3W	JF4VZT	K0DLW	NE0P/9	AB5J
KM2O	KE5FXE	K0KD	KB0HH (EM06)	UR0MC	K4WS
KU0G	KF6UFO	K5QWO	KD5FTD	W8DN	N4USG
N7T	N3AIU (DN70)	KC8KSK	KM1C	WB9TFH	N5JEH*
NA2AA	N8GOU	KF4NEF	KT5MR		N5LPT
TF3JB	W4TKI	KM5LY	N0SL	120	NA7L
W4OV	WA3WZR	KM5SC	N8MR	EA1YO	NU6V
WB2JIL		N9WBR	N9AZZ	K2CYE	W6WE
WY0V			PV8AAS	K4AU	WA1TBV
	133		W1TAM	K4CGY	XE2PXN
138	KA5ETS	128	W3KN	KD0R	
AC0XY	KC1RET	KC7QAG	W5KMK	KD4MZM	116
AI6O	KE1VT	KJ6SDF	W6SCQ	KD5BRF	EA4DEI
KD7WPJ	W0RT	KN4DMN	W7YM	KE4SCY (FM06)	K4RGN
KE0A	WI5D	N1SFE	W9CDL	N3YPJ	KI6QDH
KE3D	WW7Q	NR1R		VE1JC	KU5B
KE8RO	XE2O	W0WT	123	VE3XK	N0VR
KQ4KX		W5ZO	AC7AF	WA6RAY	NO0B
N3XH	132	W8FR	K9SM	WD4OHD	W0DHB
	AB3CV	WB2WEO	KB0GT		
137	K5VG		KB0STN	119	115
N1SZ	KW4G	127	KG6DHQ	AE5AU	K9AAN
N5JGK	N4PPH	AA9RK	VE3TG	K0AWU	K9MMS
SM7AED	N7TP	K3GYK	W1HS	K1ZN	KE6TVM
	NE1I	K7UV	W3DIY	K2SQS	KF0QS
136	VE3TM	K8AC	W3SE	K4MSG	KF9AF
K0XXX	WN6K	K8OS	W4PRZ	K7JIZ	KM5FA
K4SX		KB3OZC	W5EWF	KF7PCL	N7VGO
KC5LK	131	KB9TLV	W7MHW	KP3V	VK9DX
KC9AXZ	K3NAT	KC0RQH	W8BI	KT0P	WA3BZT
KJ5RM	KG9R	N6UTC			

WC7V	PC3T	107	W9RVG	W3LEO	N9DVS
114	W8GBH	JA3EGE	WA4MYO	W6IT	ON9CMR/WO
AC8HU	WZ8P	K5UIC	104	W6XU	VA2LGQ
K3RTU	110	KF7PG	AB9YC	XE1RBV	W4LLP
KC4GCK	K5KR	KI9A	AC5K	102	W5KBD
NF8M	K7LD	KK4LUM	AC5RN	AA9MY	W7ISG
VE1WOW	KD5J	N3TTT	AC9QR	AB8JH	WB8IMY
VE3IRR	KI0F	N9OI	IK4DRY	AD6KH	WD5IYT
W2JLK	KP4JRS	NF0T	K5PPP	K0HAQ	100
W2ZQ	KQ4LA	US0KW	KB9RNO	K3HW	AC0FT
W4ALF	KX5U	W2TTT	KC1LXO	K9AM	AI2S
W4UFO	N5TIF	WB4PPW	KC2TR	KA3ZLS	AI9U
W5DWA	N5YM	106	KD9GKL	KB8CR	K2UA
WO2C	W7JET	K0MEI	KJ7OG	KC6WFS	K4UQC
WX4US	W7UP	K5BJW	KM6WXB	KC8DMN	K5GM
113	109	K7BWH	KO4LZ	KD8NYO	K5KV
AB4PM	AK6ZZ	K7JE	N0STP	KE1AU	K8IJ
AD5MD	IW1ARB	KB0TIJ	N1LDY	KJ4M	K9CC
HB9BZA	K2DSW	KC7ICM	N2FBQ	KR5V	KB9ZLB
K3DQB	K2JGL	KE5JXC	N3UPS	N1HOQ	KC2HLI
KD4BPZ	K2OO	KJ6MBW	N7AGF	VE7ZD	KC8CC
KD6VCD	K5DNL	KK2DOG	NJ1H	W4RVZ	KC9CMT
KM5OL	K9GY	N0RQ	VE2PIJ	W5DPT	KD3SW
N3JDQ	KE6GLA	N1USB	W1TE	W5OV	KE5CVM
N4YCI	KJ6CA	N2IPH	W1ZE	W7UT	KF0Q
N5YK	KZ7N	N4CE	W4KVS	W9NFL	KG5X
W0BM	N8TMW	N5FPW	W6ZQ	WA4IOB	KJ5OA
W8MSP	N9TTX	N5YHF	W9EBK	WA8EQP	N3TBB
W8VW	VE3AAQ	N8HM	W9MDB	WB5FDP	N4NIA
WD0ENC	W0YJT	N9XMU	WB2VUO	101	N5RZK
WU3U	W1OP	VA3OKG	WB8BZK/VE3	AE7V	N5XTR
112	W4ZRZ	VE3AJY	103	AI5WW	N7EME
K2MLS	W5MPC/1	WB6VYH	AA5CK	K0IN	N8COP
K3GD	W7RJR	WQ9F	AB0YM	K0SBV	N8XS
K5WTA	WB6YIY	105	AB5SS	K0WJ	VP2MRM
KA7T	WB9W	AC4Q	K2OY	K2NUD	W2CH
N5HMH	108	DS4EOI	K4MVL	K5DWI	W4/KL7GLL
W1TR	CF3VRQ	K4SJA	K8ZEE	K5HX	W4OZK
W5DQ	JA9IPF	K9MAL	KA1W	K7SYS	W8BZY
W6OAT	JP7EIP	KB3JGS	KB0FHP	KB1JDX	W9DQ
W7IV	K5OPB	KC0JYT	KB2SGX	KB4KBS	WA5TLP
W9PN	N3MWQ	KC4KK	KC9FFV	KC6AWX	WV9E
WA8TWM	VE3SUB	KF4DGS	KF0AIJ	KC8CSD	99
WG3K	VE7IG	KJ7TH	KF4DVG	KG8WB	AB0SD
WX3P	VY2RU	N4NQY	KR4NO	KG9IL	AB3TM
XE1GK	W4AMP	N5SAN	N0YXE	KL2R	DL5XJ
111	W4CRN	N7YY	N1JIF	KR4WM	G4FKA
K8BB	W5AAJ	NE9O	NF6P	KR7LD	K0YO
N0SLT	W8EH	PU4JOE	NN2D	N1IX	K4KEW
	W9VNE	VE3VRQ	VE7DXG	N4AOE	K4WQ
		W8MIL	W0TF	N8VEA	K4ZO

K5VPQ	N5TEY	WA9LEY	K1PNQ	K9SUL	K2AK
K7DD	N8AID	WB8RVK	K4ED	KA2F	K2MTS
K7PAP	NO5X	WB8ZTV	K8KFJ	KA9UVY	K4DAM
K9ZZE	NO8R	WE8L	K8ME	KB4YKC	K5TRI
KA0ZEE	VA3VF		K8VD	KB7AK	K6RM
KC2IEB	VE4XTZ	96	KD7WH	KC0AUJ	K7IP
KC6X	W2KRP	AD5OW	KD8DR	KC3AK	K7TRK
KD4MWO	W6TE	AE4TQ	KD9ZR	KD4VRZ	KB0USF
KD6RUH	WA2FGK	AK4F	KI0SK	KE3WM	KC5TGT
KG9AP	WA3TLT	K2CK	KW9U	KF0LA	KC5TT
KR4UA	WB1GQR	K2UF	N1XK	KG4NLZ	KC9TTR
M5MYH	WB2YDS	K2UNK	N2SLO	KU4JZ	KC9UL
N4FV	WD0E	K4EQH	N2WLS	KV3W	KD0QG
N7HRT	WH6LR	K5CRJ	N3WAV	N0LNE	KE6AZX
N7JPF	WT5H	K8EMR	N4ET	N0LP	KE6UMW
N7TE	WV5Y	K9OT	N5BLY	N2SU	KE8RPJ
N8GHZ		KA2NDX	N5ENU	N3JBH	KI0J
N8YV	97	KA3HED	N5KI	N3XBG	KK7MNC
N9MKC	AB8M	KB5GI	N9IV	N3YUG	N2BX
NB5R	AJ9C	KB8PNS	N9LJX	N5ZMP	N2YTF
NH6CJ	K0HB	KC0HBP	OE9KFV	N6HY	N3AO
NI5W	K0JQZ	KD6PY	PY2KP	N6MXU	N3ZBK
NS2P	K0QEI	KI5TE	VA3KS	N7NH	N4GOA
VE2HAY	K0SH	KM5NU	VA3PZ	N7UN	N4YHC
W2HOG	K0YQ	KR4EE	VE3KZ	N8WWM	N7EGY
W2VU	K3HZO (FN20)	KS4V	VE3SPW	N9DD	N7JI
W5JLC	K4GTR	KT3S	W4YZJ	N9UNX	N7KSI
W6TJU	K4JQU	KT5RR	W5ADA	VA3MA	NA9D
WA5TRX	K8XF	N0WVU	W5CBF	VE3RX	VA3JFF
WB5NHX	KA2BSK	N2LID	W5RCQ	VE5MX	VA7QI
WB7VVD	KA7EII	N2VHZ	W7JWC	VE7AB	VE3WMD
WK5X	KC0YBM	N2XK	W9SX	W2GR	VK5PJ
WW2R (EL09)	KD5CKP	N8PAQ	WA2ONK	W3IPA	W0MHK
	KF4KSN	N8YBY	WA3I	W3TA	W2VTV
98	KM4NYI	NT2A	WA4WR	W4LNG	W3ZGD
AC2RL	KT5WB	NW5Q	WB2SIH	W5ODD	W4VG
AD8Y	N1VMJ	NY2Z	WD8DOT	W5PUF	W5DMT
K0KC	N3UMA	VE2DCP	WS4S	W7NX	W7EIR
K0UD	N4BH	VE6RGU	XE2AT	WA7LHZ	W7TRX
K3IXD	N6MA	W1HMM		WA9BXB	W9IFW
K3QIA	N9APK	W3VHF	94	WT9U	W9NED
K4OP	N9IO	W4KK	AA4RP	WV2I	W9WI
K5HOB	N9KY	W4TMR	AB4VT	WV7S	WA5ICA
KA1EKR	NK7C	W7JHS	AD1DX		WB5CON
KE4LGL	NU0Y	WA3EEC	AK8CW	93	
KG4YOU	NV3K	WB5KJE	HK4SAN	AG2A	92
KG7E	VA3FIN	WP4LNY	K0ARM	AG6CV	K1EY
KJ2G	W3QT		K3BEE	AI8F	K5GDH
KK0CQ	W4CWA	95	K3TUF	IZ4DPV	K5TDA
KY0Q	W4DAS	AB9AI	K4JRK	K0IW	K7FU
N0JJQ	W4ID	AE0G	K4LDC	K0RM	K7HKR
N1JHJ	W7DN	AE5EO	K8GT	K1PTF	K7UWR
N3LRP	WA6OSX	IK8YTA	K9DOG	K1ZK	KB0PQP

KC4JNW	KM7N	WM7C	KC1GWX	K7FB	K4EZY
KD4QMY	KM9I	WT4C	KC3MLC	KA9OKH	KE6NDG
KE4WBO	KQ6K	XE3/K5ENS	KE8UM	KB7JJG	N1KI
KG4URP	N3PPH		KI2D	KI6HQT	N2NWS
KR7X	N3WCM	89	KI4RFM	KN4MMH	VE2WBK
N2SG	N6DW	AB1TZ	KJ4KW	KP4TB	W8PU
N3GH	N7CZ	AG2AA	KQ4AJI	KT1R	W8SGR
N4VN	N8DEZ	AG7NR	KU4S	N2NF	ZS6NK
N5QO	NR4J	G4NBS	N0OK	N3MVF	
N6FD	NU4N	JQ1TIV	N1CEO	N8TFD	83
N6RPM	VA2BBW	K4BMM	N2MKT	NZ3O	AA6E
N7DED	W2SUB	K5CX	N2ZN	SV1RK	K1LH
NS6E	W4MLN	K5JAZ	N4CAG	UT9FJ	K4SQC
UT5JAJ	W5KDA	KA0MWA	N4GN	VA3MDB	K8SIA
W1PV	WB0NRV	KF4TVL	N4KIN	VA7LM	KB3HHA
W2ACY	WB7X	KI0G	N4UC	VE7IRU	KB9LIE
W2CVW	WC4V	KI4FW	N5VBK	W8IW	KK7BV
W3ACO	XE1GZU	KI4US	NS3X	WA1PMA	KU4WW
W3GP		KR4U	NT4TN	WB4GCS	N5PD
W3HZU	90	N2GZ	VE2VLJ	XE2AU	N6KTH
W4BP	AA0LM	N5KAE	W2BZR		SV2AEL
W4LIA	AB4WL	N8YSZ	W3YX	85	TG9AKH
W6NS	AB9DU	N9RG	W4DL	AC3KE	W7USB
W8JV	AF5BG	N9UDX	W4RXR	AC9GK	WD6T
W9HBH	DL1SMA	NE2U	W7HDD	EI3IO	WD9IOK
WA3JKB	JH4JNG	VE3VCF	WA2BTR	K1UU	WI6Z
WA4EEZ	K1HC	W0HRO	WA5MD	K4LRP	XE1MM
WG8E	K1KA	W1HY	WK3N	K5MJP	
WM3O	K3CWF	W2JEK	WV8O	KB3MXK	82
	K3UAL	W2OK	XE1SOV	KC0V	AD4IE
91	K4AAP	W4ZMM		KE4DRF	CB0ZA
AA0CW	K4FTP	W6VNI	87	KK4AND	K3RJK
AD3Y	K4XZ	WA7SDI	AC0A	N2RJ	K4JMX
CO2WZ	K6UIP	WB3IAL	AG4I	N4LS	KA5WSS
HB9ALO	K8EAB	WM6Y	K4JC	NJ1Q	KC5YKX
JL1UXH	KA5TJI	WQ5C	K5UZ	NM4SH	KG4KVZ
K0CFI	KB5FHK	WR5AY	K5WO	VE3GFN	N1SF
K1UR	KB7BSA	XE2NL	KB1VUN	VE7DAY	PU8TEP
K4SPA	KK4DZP	XE3DX	KC8NAH	W1WV	W5DAS
K6YK	KW3DX		KE6WOX	W3STU	W7YOZ
K7HPN	N2ULL	88	KI6RRD	W4IT	W8GG
K8OI	N4BRF	AA4QE	N0ELA	W4RA	WA2ONG
KB2YWU	N5BA	AE0DX	N2CJN	W6ST	
KB3IAI	N9JJ	AE4OF	NE5S	W7SIR	81
KB3NDS	VA3XOV	AF4MI	NI5F	W8DQ	AB4I
KB7AZ	W9CPV	K1RS	NN7RM	W9QY	DF3CB
KC5POV	W9CSY	K3TN	W8GOC	WA4WKL	KE4DZU
KC8LGL	WA2BEV	K4XD	WB3IGR	WD4LSS	N6MM
KE1IU	WA8OJR	K7CTV	WB8JAY	WF4R	N7NEV
KE7RTB	WD9HCF	K7WV	WF4W		NI4Y
KG4QWC	WE7H	K7ZYV		84	W3MC
KI3O	WEST SEATTLE	KA7ATEUR	86	CT3FT	WA4ZXV
KI5BLU	WH6LE	KB2KIR	AG1T	DS2JJV	WA8ZNC

80 AC6BW K7FR KE4PT KR4Q KW1DX N2NS VY2HF W2DEN W5TTY W7AM	W4LVH W5UC WP4NEG ZL3AAU	67 JG2TSL KF4JHG KK4YEL W7YED	56 HB9HIT KI5WA LU8ADX NI6T	43 8P6SH CT1EEN HB9AOF K4ZIN LA6OP	32 N3LRH SM6WET ZL3TE
79 JF1LMB K4RW K5JBT KB4DSL KP4N N2COP N5YJZ N9RC VE3CFK W2GW W2SKI WN0L	74 AK8B CX4AAJ KF2TI LU4FPZ VE6SO VK4CZ WC6DX	66 K6KLY UX1UA	55 LA3MHA SP5APW WA2EMF	42 HA5PT	31 K7TM
78 IZ8EDJ K2QPN SP5QWB TG9AWS W4NE	73 JF1IRW VP2MJD W4WT	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	54 AG4KI JR2SQZ	41 E75AA	30 E72X JO7WXN WA6DNR
77 K1IFJ MI0AYR US5WE	72 N4II PV8ADI	64 K3BQ WD5GRW (EM13CQ)	53 K0BBC PP1CZ	40 JR0QFA WB8TGY	29 HL2WA OE4VIE
76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	63 EA1DR HL2EIZ KB0RFY	51 N8OFS OH4UI VE9FCP	39 AA5PK	28 CT8/K0RUI E70A JA6CRP JR7ILA K0FMI OH3DP
75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	62 K4DXA N6ZDH	49 HB9RUZ	38 DD3KF DG7RO DU1EV HL4GAV K8YSE	27 KC9ELU WP4NIX
	69 K3WGR W1YM WD4LBR YL2JZ	61 CU3AN K4MLB N0GVK	48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA	37 BA7NQ DS4AOW HL4CJG JA9APS JH9DRL OE3SGU	26 WB7QXU
	68 AA4S EH7CD K6CF KJ7TEA	60 HB9BIN KP4JFR S55DX UR9QQ	47 HB9RYZ JE1VTZ N6PAZ	36 JA1WSK	25 EA4/K1WE
		58 KC6NBI SV8CS WA2MUA	45 JA6WJL K4TXJ	35 GI4OWA LU9DO UR5WA	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO
		57 IK1ZOF JL3MCM N5LJL WD5GRW	44 DM2RM WO3T XE2YWH/1	34 G4SEU JL3LSF LA2QM	23 GM4ILS K4SLC KP4EIT W8MK
				33 W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH

21 EA1YN	W9TTY	KD3UY S51NM	YL2CZ	F5TMJ G0THY G8GNI	JJ1PFC JL2ULM JN3ONX
20 CX1FK I1FQH JM1KVW N1WC PY5EW W8LR	13 JA2LWD K4AKX K4WY PY2MC W4PWF	8 DF1ZN DH0GSU DK2LO G1VDP JA1CPU JE3PCP JG1JPE JJ2NWI N8RO OH8LXT	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS IV3GOW JH7IPR JK6DXD UT5EL VK4ZP XE1SAX	GI4ONL IK1IYU IZ8XQC JA6AVT JA6SZV JA9FAI JH3MHI JP1HDK K4KZM K7LY KEN IN NEBRASKA LA2CQ OH3KAV SV1XV SV3FUO YB2DX YL2KF	KC3KJQ KG4JSZ KH6WI KP4DER MM0INH OK1UU ON6NA OZ1IKY PU5SVE SM3GBA SM6LPG SP7EXY SQ5NRY UN8G UR5EDX VR2VGM WB7VUF YO8WW
19 DL1TS EA6BB JE2UFF JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	7 DL1TRK G8APB GM4KHE IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX	3 DJ5AV DL2KQ EA1AR EA4D G3LHJ G4DDL HA9PP HL2ZN IK0WRB IK8EPC JI1CHH JM1GHT JN1BPM JR6IQI KC0Y PY5IP SA7CJO SV1VN US0YA W1CBY WD9EWK (DM43)	1 3A2MW 9A2EY AJ6T (EM66) BD4UJ CT1AHU DH8BQA DJ3ZF DL2DCX DL4ZAB DL8GAM DS5DNO DS5TOS EA2AA EA3WD EA4GQS F1VEV G4CFS G4VSS G7SQS G8TTI IK5BSC IW0AFS IZ0BTV IZ2CSX IZ3DBA IZ5FSA JA1GZK JA7DPC JA7VXB JH8XVT JI1HNC	
18 AJ6V KJ4EU W0HBH	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHJ KA5WRG PY2DV PY2GM	6 CT2FEY DU0A EI2JC IK2GOQ JA7NGE PY2VA			
17 G3LZQ PY2XAT SP5XMU SV8CKM					
16 N6VHF TI2CDA	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			
15 9K2BM EI2GLB HB9FMN LU5FF PY2RN UT3UA WC2C			2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF3VG DF8FT DK1CO EH4BPJ ES8JX		
14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC	9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL JA2FGL JE1LFX				