

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	N5OMG	486	479	470	W3UR
AA0MZ	N6JV	KY7M	N7ZO	K4SO	
AA5AM	N7NW	N0KE	W5WVO	K5RT	460
AA5C	N9LB	N7KA	W9RN	WO7R	K5OMC
AA7A	N9UM	W5ZN	WB9CIF		K8ZM
AI5I	ND0B	WD5COV		469	KF0M
K0GU	W0FY		478	AJ4F	
K0SIX	W0JW	485	AD1C	K4MY	458
K0TPP	W0LGQ	AD6D	AE5B	K7PI	K9NW
K1TO	W3CP	K1USA	K6ZH	N7BAV	KG5THG
K1TOL	W4UDH	K9MU			N9BCA
K4PI	W5ADD	N0POH	477	467	NE1B
K4XO	W5AFY	N5WS	N5KO	K3SX	
K5ND	W5AJ	W5VY	NC6K	KB9DAK	457
K5RK	W5EME		W6XK	NY0V	K4HB
K5UR	W5FF	484		W5THT	W9WO
K5WE	W5KI	AF5CC	476		
K7BG	W5OZI	AI1K	K5XI	466	456
K7CW	W5TRL	WQ0P	N4SIX	KA0JGH	AJ4A
K7ULS	W7GJ			KB6NAN	
K8SIX	W7JW	483	475	N4QS	455
K9CT	W7KNT	AC0RA	ND4X	NA6MG	K9MK
KA9CFD	W7MEM	W0VTT		WX7M	KF8MY
KA9FOX	W9FF	WA7HQD	474		WA9DU
KD5M	W9JN	WB0ULX	K7KQA	465	XE2X
KG5CCI	W9RM			N4JQQ	
KM0A	W9XX	482	473	XE2K	454
KM0T	WD5K	K0BJ	NQ7R		WB7CJO
KO9A	WQ5S	N4WW	VE3EK	464	
KR7O	WS9V	W9VHF	WB0O	KB9OWD	453
KV5W		481	472		K4YMQ
KX4R	487	KC7QY	KB7ME	463	K6EID
N0LL	K7MAC		WD8JJA	KB8VAO	N9FN
N0LWF	K9YY		WE9R	NI0G	
N0PB	N0AKC	480		W5XC	452
N0TB	N7CW	K5GZR			KK4MA
N1AV	N7IR	KC7V	471	462	N5BO
N3SL	N9ISN	N4TB	N9PGG	N6ORB	N8YO
N3XX	NA6L	N5EKO	W0RH		N9BX
N5DG	W3IP	XE2OR		461	
N5NA	XE2CQ			NA9RB	

451 K1HTV K5WBM KD3CQ WA1EAZ	440 AE5FM W2IRT	424 K6JJ N4UFP N9AKR W3EP W5PR WB8BPU	413 WA9LFO	402 K3FM	391 W4AVY W6TMD
450 NE9U W0MU	439 K8ROX N4QWZ N5TJ NM5U	423 W4DR	412 VE2XK 6M FN07R4	401 K5CKS KM3V	390 KZ2I WF7T
449 KF6HI N8OC W8TN	436 NZ3M W3TC WB8ART	422 K0DD VE6WQ WB5JID	411 N1EVK N9EAT WR7X	400 KT8O W0JRP W3UUM W7FI	389 W5MO
448 K4XP KP4AJ KV7N W3LPL WB8ZBT	435 KF6A	421 NE6I NP4EI/W7	410 K3UA KB0V KE7SW KI8G	399 NN4R	388 K0IP W4WRL
447 AH0U KS7S N2NL N4SC	434 AA1ON K1SIX VE3LYC	420 AD5A	409 K5PI N5SYV N9JR VE3DS	398 N8IEZ W1NG	387 KV4T N0FJP N4CH
445 KG7CW KU7Z N4LR	433 AB9BH KE8KMX WW1L	419 K7NN W0GN W5AL	408 K7SMA NY1V W7BA WA1NLG	397 AB4EJ KE4TH KI0E W8LMG	386 JA7QVI N7IJ W5TFW W7AH WE4S
444 K4SSO W3LL	432 K3FRK K6GXO N6KK	418 N4UFO	407 W4AS W5CIA W7Yaq	396 AB4SF AG4W KB8U N3OC	385 K0JDD NK1K VE6MB W4WTA
443 AB4IQ N4MM	431 K0TLM	417 AA5JF N4HN	406 AK3E K6FG K8EB	395 AA5XE K0AZ K5XM KF7CQ WB4EVH	384 K8ROK N2WK W8OP
442 AG9S K4ZOT N2QT N4TL NJ6D	430 K1TEO	416 AC9DX K4RWP K7ND KO4MA NI0P	405 AA4SC K1GG K5CKS	394 K6RO	382 N8LRG VE3YXO
441 K8TB K9KLD	429 K5TA K8ZR WA5JCI	415 K7AWB K8JH W0GJ	404 KF9UG N2ZX NH6T/W4 VE4EAR W5SUM	393 K7XB K7XC KD5XB	381 NK0S W3VZ
	428 K9APW	414 K0DEQ K2TER KM8V N0GZ W4TV	403 K6VHF	392 AF4HX K5HPT W6OMF	380 K7MCX WA5LFD
	426 N5OK W5JAY				379 N8WNA
	425 K6ML				

378 KR4BD	K6EME WA7PDC	353 AF2K K0CS	NX7U WA7YAZ	W3ATV WB5TOI	K6TDI NG7M W0PR W3HDH W7JLC
377 AB1OC NT9E	364 AB5EB K0RAR K5KEW N6QQ	352 K7LOL VE3XN W0KKK XE2ML	340 N0AN WA9M	333 AA4LR K0TC KM4HI N0IGZ W3GQ XE1YY	325 KF2T WA2AEY WX0Z
376 K8GI K8VFX	363 VE7BV W1JR W4NH	351 W7IMC	339 KE4BKL N2ZZ VA7FC W5VAS WB0OQV	332 AA7UN N4JDB N7KDT VA3IKE W9GM	324 HC2FG K9SH KU4A N2BJ VE3TMG
375 K6QG WB4OQX	362 WA5OLT	350 N6VI WB4KTF	338 AI9L NA5Z VE3SXE W4MAY W9XA WA5KBH	331 K0SRL K8WDA KC0UDO N4MW W3TI	323 N8II W8KEN WO2T
374 K0TT KV7K N6GP N7DB	361 K8BL K9NR KB1EFS N1KDO N8KOL NG4C W4ER	349 K1GJQ KA0BAD	337 K8ZES W9EWZ WA5RT WW0E	330 KB8MBC KG6AY W8PI	322 JG1TSG N3ALN VA6SZ
371 AA4ZZ N3PS WA6BYA	360 K6UM (CN85) W0NOZ	348 N1JFU NJ7G	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S	329 AA1QD N2JJ W2OR W8WG W9DCT WX4G	321 N0LD N7RO NC7B NS4C W9VA
370 K5TN KG8P KN4SM KS4YT N3MK NN9X NT0V W4FC	359 AA4FF K0CAO	347 W2HRO	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA	328 K6ME N5PT W2CNS WB3LHD	320 KG5EIU N4DW
369 KF8UN N2DPF	358 K5RLA	346 N9XG	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC	327 KJ5RC N0YO W2JU W7YA	319 N7US
368 N4JP W5RCI W6GMT	357 K4LVV WA9PWP	345 AA8SW W3XY XE2YWH	341 KD7DCR N9LF	326 K2ZD K6LMN	318 W4HY
367 KC4HW	356 K7PT	344 K6FW KB0PE W1OW			317 KA8SYV W1SKU
366 KI7JA	355 AA4FL N3AIU (DM45) W1DYJ	343 K1ST K5EK KK0DX N3RC N3YT N6KZ N8HRZ			316 DK8NE K3FN KA0ABA
365 K4JJW	354 KE8Y NP4EI NU6S				

W4UCK W9BWR	KL7HBK WV9L	297 N8YQX	287 K8DP KC7MRQ N8CGY W7CT WA4NVM	YV1DIG	W7JY WZ9B
315 K0PG K5VH KM3T NY2NY WA8ZID XE1AO	305 K3VAT K6UM (CM88) KT1J N4SV	296 K4XR K6YUI KC7RW XE1EE	285 AB0S K5CZD K9UO NS7K	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N	269 K2IE K3ZO KD5R KF6XA N5EPA N5WD VA2CY
314 KU4XO	304 K6IPF NS4T WA0GUD WA8MCD	295 KE4P N6AR N7NT	284	277 AC7JM PV8DX	268 K6OJ KI0HA N9ZTS W0KAN WB9PNU
313 JE1BMJ N6NR N7UVH NF4A W4GLV W5RKN	303 EA8DBM K8TGC K8TL N7LAN	294 K6JSV	AB0RX AD4ES K0KP K4DET KL0S NJ2F (EL96)	276 HC1BI K2CS K5TWJ K7TAB KD8JSP W9OO	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB
312 AF6O K4NNX KA2GOJ N3KN	302 K2UU KB2TGU	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	283 N5OHL NA5DX WA0FQK WB0CQO	275 K1MAA K2NJ N4GG W0FK	
311 AC9S KS4XQ W2BZY W5DB	301 N0HJZ W3SW W7IB W9OBG WB0TVY	292 KJ6P N4ST W1SSN	282 AA0ZP K1DT N8JCM W4WM	274 KB1DMX	266 K1OA K1WVX K3HPA TG9AJR VE3MSC WB8EJN
310 N1NK W9KVR WO4DX	300 AA4V K0PHP KB6VFC N1RR WA2BAH WX2S	291 W1WHL W2CCC WI7P	281 AA8MA JR1LZK K4OY NL7CO W2YE	273 KM4H KV1J VE6SH	
309 AA9RR	299 KX7L VE6WK W1LE W8UV WB5GVY	290 VE6TA (DO33) WA8EFK	280 N0KV NM5Z W1FKF	272 KF8QL KO4PRE	265 N5KS
308 WA4HFN		289 K2BLA K4MM K9FA N5BCA NQ7G W4LTJ		271 K7NII KB7FUV W3HHN	264 AC8L K4JAF N0TK N5AO NF1O
307 AG1A KE5K KS4S W9RPM	298 K0MLD KD4WSC KK8MM N4IQ W0JM	288 K1NU W1DU W4HLR	279 N3JPU N6PM W0PPA W0VHF (EL87) W8GJ XE1FAS	270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT	263 AK4PR K0NO K7MDL K9AAA WB7QBS
306 K4QE					

262 K3CWH K5VR N5PA ND4DX WA0KBZ	N8ZJN	248 K1ZZ W6VFA	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD	230 K1ZE KO4MM VA3XJ WB0WAO/8	223 K7UA N2ZA NJ7A
261 AF2F K3TWK KB8UUZ N3EW W6TCP W9TA	255 K8MVZ KG4JPL W4HFZ WA8KNE	247 JA1UAV N5DD W3TEF		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	254 KG9Z N4GBK N5SIX N7QOZ NR0Q VE3OTL W8FIB WD5ITW	246 K0DAS K8YC KK8X N5TIT W4FRA	238 AA3GM JP1LRT W1MJC		221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW
259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA	253 F4BKV KG4ERR N2XQM	245 AE4M N1IA N3XF VA3CW	237 K3KO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 K7BTW N7XCZ
258 AB5GU K1NJ K2HAT NA2NY NA5C WB7ECS	252 AB5A CT1EEB K1ACL K3NK N9ATF NN4RR VE6NTT	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)
257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/0	251 AD5JK AE4WG K9QJ KG7NV NN4SS W2LV	243 JA1QJI K3TC W4EJ	234 JR2HCB KE6FCT	226 AF5WN N7CNH N8UR NM5S W0VX W8RD WQ6Q	218 K1XH K4IJQ KB8KVJ
256 JM1IGJ KL7NW	250 AA9LC KS9J NW6R	242 IT9IPQ K3WW KA3TCC VE3SMA	233 K1AFC K3EA N9NJS VE7VZ W8PAT W9TD XE1L	225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	217 ND4V W4DEE
	249 CT1IUA JR3REX K8AO KQ5U N1GC N5SMQ	241 N6NU W5LO	232 K5FO N9NJY	224 JA8ISU K2RET NJ8J	216 K7RB N0IS NE1F W1AW W5RWF
		240 KK4ZUU KO6LU VA3HP W1VT WA2VJL	231 K4MIJ K6HEW KF6GYM W9XT	215 AL7OC K2SX	

K9OHI	207	KO9V	194	WU9Q	K5HDE
KI5FJ	K6US	KR0I	K2MRK	WX9M	KB8YKR
N2YU	N1BCL	NN0K	N3FA		N3XJX
N6KW	N8NJA	NR2C	N9NFT	187	N9MSG
		WA1MKE	WF1H	AA8R	NY0A
		WA9ASZ	WK8A	KQ0J	W4RBO
214	206			N2WM	W9BS
JA7MSQ	AB0CT				WJ1B
KB9PJL	AK4Y	200	193		
KC7OD	CT3MD	4A2MAX	K9AB	186	
VE3SYK	DJ5FI	K4YJ	KC5N	K8PT	180
WA7AJ	K4GHS	K5DB	KD2NF	K9SG	K0OST
	K9YC (EN61)	K6ZZ		KN7K	K4LYN
213	KB0LYL	LU4FW	192	N0XLR	KC1MMC
K3DFL	NA5Q	N7PHY	AA6AA	N6ZE	N1RK
KI6X	W0BNE	N9AG	N1LF		N6PEQ
W0NBC	W4EJG	VA3VU	N2NB	185	N6VH
	XE1J	WB2AA	N3CAL	AD6W	W5HI
212			N3NR	KD5BQT	
AB5C	205	199	N4LXB	KU4UC	179
JF8QNF	AF4OD	N3KfV	N4TV	N8XE	K1EP
KF7NN	K8SD	W4OEP	W6MTR	NA2R	KU4WD
N1SV	KE4HOA	WB0YEA	W8FN	PY5CC	N0LIE
N2OA	N5ITO			W3OU	N0MMA
	W8QID			W5BPT	NH7RO
211		198	191	XE1R	VA3DPB
K9FOH	204	4O3A	K0ITC		W8LHP
KD3HN	KO0Z	AC8TO	K9CS	184	WA4QMQ
NE8S	LU2DX	N0UK	KK6OH	AF5Q	
PV8BR	WA3DRC	N7EPD	N9AMW	K0DEW	178
W2ZDP		W8DM	WA2BKN	KR4M	HB9EFK
W5HNK	203	WA7KYM	WA5CAM	N1IBM	KA2AYR
W6AER	K0VSV		WD4JHD	N3FX	KB0EO
W6KAP	K5HYT	197		N4BG	KB1RZA
	K5LOW	I0WTD	190	N4DTF	KG5RJ
210	N0HF	K3EGE	K5ER		N1ZUK
K3MSB	N8SYF	N4BAF	KC2DLD	183	NQ2O
K9YC	NX0I	W3TW	KN4PPD	K5RQ	VE3NRT
KL7NO	W1RM	W5CTV	N9UA	N0UBL	W0ZY
N1TQ	W3SZ		W1ATV	W2UDT	W1MAD
N6UK	W9GFB	196	W2OO	WC4H	WY7FD
WQ9T	W9VOB	K0AIZ	W4GE		
	WA1KPD	K0NR	W8SP	182	177
209		N5DUW	WB0DBS	AJ6T CM87	AG4ZE
AA4IB	202	W2AMR		FP/KV1J	K2QQ
W5WGF	K1BZ	XE2ED	189	K5GMX	KI4BWW
WA4NFO	K5GJR	XE2W	AC0W	K8WK	NY4I
XE2N	WC7X		KC0MEA	NZ1I	SM7FJE
	WF8Z	195	WA5VKS	W9JJ	W5ZG
208	WQ5W	AA4W		XE1CL	WA8UEG
AI2N		K2WJ	188		
CO8DM	201	K6VDP	AD7KI	181	176
KD5HIO	AA7WB	KG6WIK	KD4HLG	AB9FN	AD5ZA
PV8ABC	KC5FP		W4AZR	K4CMS	EA5BY
			WA7VHF		

JA1OVD	170	W4CSW	KB8GC	151	VA2RC
K0DI	K3LL	WK7G	KC2WUF	W1ZT	VE1VOX
KX9X	K9TVG	WQ7F	WA7NB	W2DXE	
N5QGH	N8CN				145
N8URE (FM19)	NA2U	163	156	150	KD7YZ
N9ARX	W0PE	K2JF	IZ8FFA	KW4BY	V31MD
NP4BM	W4IHI	K2YSY	K2KJ	N9LAH	VA3TTX
W5AFD	W4JKC	N5XZ	N3RN	VE3OAT	WA4JA
WA5IPS	WK3V	OE6IMD	N9KO	W7APM	
WW2R			VE7VDX		144
	169	162		149	K0TLG
175	K6XC	AF4GK	155	AB6CF	K5TDW
K3MD	KD5OMJ	K0QB	CT1BWU	IK7EOT	K6JRA
NE5TX	N2BEG	KA1R	K3TD	K4SAN	K8MN
	N5XES	KD4TDI	K6XN	KK9H	K8WU
174	VE3HHT	UW5ZM	N5RMS	W3UA	N9DI
K6WRL	W8KNO	W9JJB	N7AU	WB4VHF	W5MPC
KC0IYT		W9VS	N9OBE		WO7GI
KC6ZWT	168	WA1Z	TG9ANF	148	YV4NN
KG7P	KG5ZMQ	WB0WAO	VA3NQ	AC0DQ	
KU0A	W2PD		WV8DX	AG0A	143
N1MGO	W8WEJ	161		K0RU	K6JBH
NA2NY (ex-NA1W)	W7PHT	K0KVR	154	K7IU	K9QFR
NA6O		K4EA	AE4NT	KB2YSI	KB8RJS
W3SO	167	KB3CWQ	KB9VMW	N0TM	W0HNM
WA2PNI	K4MQG	KK9M	KW4OV	N1TOR	W0UHL
	KB1YNT	N2YBB	NZ6N	N5ZBI	WB0MMC
173	KB9REV	V44KAI	W3ZQN	PV8AJ	WM5H
IC8TEM	KE5EP	VE3LC	W4DWS	W5DM	
K2ZZ	N0NHW	W4HOG		W6VNQ (CM88)	142
K5YPV	NO0T	WA1LAD	153	WB6RAB	NA2X
KE4SCY	TG9ADQ		AA4NC		NC4VA
	W1BAT	160	AB4GG	147	W5SWV
172		AB1QB	K7AD	AF6AV	WA5TKU
AB9KZ	166	JA1AFR	K7ZD	IZ1LBG	WS4V
K5ZED	JA3LZS	K5IQ	N1OFZ	JR1BAS	
KI4PKW	KC2GHT	WL7OU	N2ADV	K6PSP	141
KJ6HI	N5VU		N6DHz	KC1BUF	K4AR
VE2PN	NA1VT	159	W3DQS	N8IK	K9ATX
W4ABC	NC4RY	G0OIL	W5FI	VE3CX	KT8TD
	VA3WEB	K4MZ	W9DHI	W4YCC	N9FIV
171	WB4KXS	NS7B	W9ILY	W5WOX	NV4B
AA4PB		W1EME	WB5ZAM	WA0VPJ	W4FS
HP2AT	165	W4TTO		WA3YGQ	W4POT
JA6RJK	K4DXT	WB8NUT	152		W6ZI
KC5GSK	KD5HPT		AA6I	146	WB9WHQ
KC5YCH	W0RIC	158	N0RC	K2GW	WR7AY
KI4TZ		K8CR	N1NUM	K8YTO	
NS3L	164	KI0D	NU1T	KB0YH	140
W1PX	K2SD	N2CG	UT7QF	KB5ZEA	AC5DK
W6IA	K5VWW		WO4G	KC2TN	BA4SI
WA2KBZ	KD0UHN	157		KM5TY	CO2WF
	KF9US	K4FX		N4HID	K7SAM

KC0MEZ	135	K4JKB	N0BDS	KA9JAC	118
KC8TMU	CU3EQ	K8LG	N7DGI	KB4UF	J68AS
KJ4KVC	K4MWB	KC4NX	WB4HUC	KB5WFE	K4AZV
N1EN	K8ZIZ	NG9R	YL2AO	KC5UGX	KA4LBD
N3VOP	LY3W	NO8D		N5HYV	KF6MXK
NJ0U	N4DB	VE1DX	125	VE6PY	KI7BP
VA3FLF	W6BXQ	VE2TZX	AA7DK	VE7JAC	KT8X
VE3KY	WB8BZK	W0PHX	K3PU	WD0GTU	N1QDQ
W4GPM	WW2DX	W2LES	KC5DRI		N3JNX
W4TUN	XE1H	W3FEY	W2AJM	121	N5EIL
W6DQ		WA2SEI	W3UQH	AE1P	W2AC / WB2ABK
WA4KXY	134	WB4YDL	W4DFU	K0MFI	W2AC/WB2ABK
	AB1NS	WW5W	WA6POZ	K4HBI	WB2KSK
	AB4GE		WB4OMM	KB2WAL	
139	C6ABB	129	WE1P	KB5MH	117
KC7JPC	GM4UYE	8P6ET		KE4JFS	AB5J
KM2O	HK3W	JF4VZT	124	NE0P/9	K4WS
KU0G	KE5FXE	K0KD	K0DLW	UR0MC	N4USG
N7T	KF6UFO	K5QWO	KB0HH (EM06)	W8DN	N5JEH*
NA2AA	N3AIU (DN70)	KC8KSK	KD5FTD	WB9TFH	N5LPT
TF3JB	N8GOU	KF4NEF	KM1C		NA7L
W4OV	W4TKI	KM5LY	KT5MR	120	NU6V
WB2JIL	WA3WZR	KM5SC	N0SL	EA1YO	W6WE
WY0V		N9WBR	N8MR	K2CYE	WA1TBV
			N9AZZ	K4AU	XE2PXN
138	133	128	PV8AAS	K4CGY	
AC0XY	KA5ETS	JR2LJO	W1TAM	KD0R	116
AI6O	KC1RET	KC7QAG	W3KN	KD4MZM	EA4DEI
KD7WPJ	KE1VT	KJ6SDF	W6SCQ	KD5BRF	K4RGN
KE0A	W0RT	KN4DMN	W7YM	KE4SCY (FM06)	KI6QDH
KE3D	WI5D	N1SFE	W9CDL	N3YPJ	KU5B
KE8RO	WW7Q	NR1R		VE1JC	N0VR
KQ4KX	XE2O	W0WT	123	VE3XK	NO0B
N3XH		W5ZO	AC7AF	WA6RAY	W0DHB
	132	W8FR	K9SM	WD4OHD	
137	AB3CV	WB2WEO	KB0GT		115
N1SZ	K5VG		KB0STN	119	K9AAN
N5JGK	KW4G	127	KG6DHQ	AE5AU	K9MMS
SM7AED	N4PPH	AA9RK	VE3TG	K0AWU	KE6TVM
	N7TP	K3GYK	W1HS	K1ZN	KF0QS
136	NE1I	K7UV	W3DIY	K2SQS	KF9AF
K0XXX	VE3TM	K8AC	W3SE	K4MSG	KM5FA
K4SX	WN6K	K8OS	W4PRZ	K7JIZ	N7VGO
KC5LK		KB3OZC	W5EWF	KF7PCL	VK9DX
KC9AXZ	131	KB9TLV	W7MHW	KP3V	WA3BZT
KJ5RM	K3NAT	KC0RQH	W8BI	KT0P	WC7V
KV1E	KG9R	N6UTC	W8KHP	KW7N	
NO1R	KT3X	VE2JWH	WA8WV	N4UPX	114
W2JCN	N2CJ	W1FLD	WB2RVX	W0QC	AC8HU
W4AVV		WA6BIL		W4SW	K3RTU
W7UV	130		122	W7QQ	KC4GCK
XE2JS	AB0X		K7AED	WI4T	NF8M
	G4BWP	126	K7OGW	WM9M	VE1WOW
	K0GUR	KJ7G			

VE3IRR	KI0F	N9OI	AC9QR	AB8JH	WD5IYT
W2JLK	KP4JRS	NF0T	IK4DRY	AD6KH	
W2ZQ	KQ4LA	US0KW	K5PPP	K0HAQ	100
W4ALF	KX5U	W2TTT	KB9RNO	K3HW	AC0FT
W4UFO	N5TIF	WB4PPW	KC1LXO	K9AM	AI2S
W5DWA	N5YM		KC2TR	KA3ZLS	AI9U
WO2C	W7JET	106	KD9GKL	KB8CR	K2UA
WX4US	W7UP	K0MEI	KJ7OG	KC6WFS	K4UQC
		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		N5RZK
WU3U	W1OP	VA3OKG	WB8BZK/VE3	101	N5XTR
	W4ZRZ	VE3AJY		AE7V	N7EME
112	W5MPC/1	WB6VYH	103	AI5WW	N8COP
K2MLS	W7RJR	WQ9F	AA5CK	K0IN	N8XS
K3GD	WB6YIY		AB0YM	K0SBV	VP2MRM
K5WTA	WB9W	105	AB5SS	K0WJ	W2CH
KA7T		AC4Q	K2OY	K2NUD	W4/KL7GLL
N5HMH	108	DS4EOI	K4MVL	K5DWI	W4OZK
W1TR	CF3VRQ	K4SJA	K8ZEE	K5HX	W8BZY
W5DQ	JA9IPF	K9MAL	KA1W	K7SYS	W9DQ
W6OAT	JP7EIP	KB3JGS	KB0FHP	KB1JDX	WA5TLP
W7IV	K5OPB	KC0JYT	KB2SGX	KB4KBS	WV9E
W9PN	N3MWQ	KC4KK	KC9FFV	KC6AWX	
WA8TWM	VE3SUB	KF4DGS	KF0AIJ	KC8CSD	99
WG3K	VE7IG	KJ7TH	KF4DVG	KG8WB	AB0SD
WX3P	VY2RU	N4NQY	KR4NO	KG9IL	AB3TM
XE1GK	W4AMP	N5SAN	N0YXE	KL2R	G4FKA
	W4CRN	N7YY	N1JIF	KR4WM	K0YO
111	W5AAJ	NE9O	NF6P	KR7LD	K4KEW
K8BB	W8EH	PU4JOE	NN2D	N1IX	K4WQ
N0SLT	W9VNE	VE3VRQ	VE7DXG	N4AOE	K4ZO
PC3T		W8MIL	W0TF	N8VEA	K5VPQ
W8GBH	107	W9RVG	W3LEO	N9DVS	K7DD
WZ8P	JA3EGE	WA4MYO	W6IT	ON9CMR/W0	K7PAP
	K5UIC		W6XU	VA2LGQ	K9ZZE
110	KF7PG	104	XE1RBV	W4LLP	KA0ZEE
K5KR	KI9A	AB9YC		W5KBD	KC2IEB
K7LD	KK4LUM	AC5K	102	W7ISG	KC6X
KD5J	N3TTT	AC5RN	AA9MY	WB8IMY	KD4MWO

KD6RUH	WA2FGK	AK4F	KW9U	KF0LA	KC5TT
KG9AP	WA3TLT	K2CK	N1XK	KG4NLZ	KC9TTR
KR4UA	WB1GQR	K2UF	N2SLO	KU4JZ	KC9UL
M5MYH	WB2YDS	K2UNK	N2WLS	KV3W	KD0QG
N4FV	WD0E	K4EQH	N3WAV	N0LNE	KE6AZX
N7HRT	WH6LR	K5CRJ	N4ET	N0LP	KE6UMW
N7JPF	WT5H	K8EMR	N5BLY	N2SU	KE8RPJ
N7TE	WV5Y	K9OT	N5ENU	N3JBH	KI0J
N8GHZ		KA2NDX	N5KI	N3XBG	KK7MNC
N8YV	97	KA3HED	N9IV	N3YUG	N2BX
N9MKC	AB8M	KB5GI	N9LJX	N5ZMP	N2YTF
NB5R	AJ9C	KB8PNS	OE9KFV	N6HY	N3AO
NH6CJ	K0HB	KC0HBP	PY2KP	N6MXU	N3ZBK
NI5W	K0JQZ	KD6PY	VA3KS	N7NH	N4GOA
NS2P	K0QEI	KI5TE	VA3PZ	N7UN	N4YHC
VE2HAY	K0SH	KM5NU	VE3KZ	N8WWM	N7EGY
W2HOG	K0YQ	KR4EE	VE3SPW	N9DD	N7JI
W2VU	K3HZO (FN20)	KS4V	W4YZJ	N9UNX	N7KSI
W5JLC	K4GTR	KT5RR	W5ADA	VA3MA	NA9D
W6TJU	K4JQU	N0WVU	W5CBF	VE3RX	VA3JFF
WA5TRX	K8XF	N2LID	W5RCQ	VE5MX	VA7QI
WB5NHX	KA2BSK	N2VHZ	W7JWC	VE7AB	VE3WMD
WB7VVD	KA7EII	N2XK	W9SX	W2GR	VK5PJ
WK5X	KC0YBM	N8PAQ	WA2ONK	W3IPA	W0MHK
WW2R (EL09)	KD5CKP	N8YBY	WA3I	W3TA	W2VTV
	KF4KSN	NT2A	WA4WR	W4LNG	W3ZGD
98	KM4NYI	NW5Q	WB2SIH	W5ODD	W4VG
AC2RL	KT5WB	NY2Z	WD8DOT	W5PUF	W5DMT
AD8Y	N1VMJ	VE2DCP	WS4S	W7NX	W7EIR
K0KC	N3UMA	VE6RGU	XE2AT	WA7LHZ	W7TRX
K0UD	N4BH	W1HMM	94	WA9BXB	W9IFW
K3IXD	N6MA	W3VHF	AA4RP	WT9U	W9NED
K3QIA	N9APK	W4KK	AB4VT	WV2I	W9WI
K4OP	N9IO	W4TMR	AD1DX	WV7S	WA5ICA
K5HOB	N9KY	W7JHS	AK8CW	93	WB5CON
KA1EKR	NK7C	WA3EEC	HK4SAN	AG2A	92
KE4LGL	NU0Y	WB5KJE	K0ARM	AG6CV	K1EY
KG4YOU	NV3K	WP4LNY	K3BEE	AI8F	K5GDX
KG7E	VA3FIN	95	K3TUF	IZ4DPV	K5TDA
KJ2G	W3QT	AB9AI	K4JRK	K0IW	K7FU
KK0CQ	W4CWA	AE0G	K4LDC	K0RM	K7HKR
KY0Q	W4DAS	AE5EO	K8GT	K1PTF	K7UWR
N0JJQ	W4ID	IK8YTA	K9DOG	K1ZK	KB0PQP
N1JHJ	W7DN	K1PNQ	K9SUL	K2AK	KC4JNW
N3LRP	WA6OSX	K4ED	KA2F	K2MTS	KD4QMY
N5TEY	WA9LEY	K8KFJ	KA9UVY	K4DAM	KE4WBO
N8AID	WB8RVK	K8ME	KB4YKC	K5TRI	KG4URP
NO5X	WB8ZTV	K8VD	KB7AK	K6RM	KR7X
NO8R	WE8L	KD7WH	KC0AUY	K7IP	N2SG
VA3VF	96	KD8DR	KC3AK	K7TRK	N3GH
VE4XTZ	AD5OW	KD9ZR	KD4VRZ	KB0USF	N4VN
W2KRP	AE4TQ	KI0SK	KE3WM	KC5TGT	N5QO
W6TE					

N6FD	VA2BBW	K4BMM	N2MKT	NZ3O	83
N6RPM	W2SUB	K5CX	N2ZN	SV1RK	AA6E
N7DED	W4MLN	K5JAZ	N4CAG	UT9FJ	DL5XJ
NS6E	W5KDA	KA0MWA	N4GN	VA3MDB	K1LH
UT5JAJ	WB0NRV	KF4TVL	N4KIN	VA7LM	K4SQC
W1PV	WB7X	KI0G	N4UC	VE7IRU	K8SIA
W2ACY	WC4V	KI4FW	N5VBK	W8IW	KB3HHA
W2CVW	XE1GZU	KI4US	NS3X	WA1PMA	KB9LIE
W3ACO		KR4U	NT4TN	WB4GCS	KK7BV
W3GP	90	N2GZ	VE2VLJ	XE2AU	KU4WW
W3HZU	AA0LM	N5KAE	W2BZR		N5PD
W4BP	AB4WL	N8YSZ	W3YX	85	N6KTH
W4LIA	AB9DU	N9RG	W4DL	AC3KE	SV2AEL
W6NS	AF5BG	N9UDX	W4R XR	AC9GK	TG9AKH
W8JV	DL1SMA	NE2U	W7HDD	EI3IO	W7USB
W9HBH	JH4JNG	VE3VCF	WA2BTR	K1UU	WD6T
WA3JKB	K1HC	W0HRO	WA5MD	K4LRP	WD9IOK
WA4EEZ	K1KA	W1HY	WK3N	K5MJP	WI6Z
WG8E	K3CWF	W2JEK	WV8O	KB3MXK	XE1MM
WM3O	K3UAL	W2OK	XE1SOV	KC0V	
	K4AAP	W4ZMM		KE4DRF	82
91	K4FTP	W6VNQ	87	KK4AND	AD4IE
AA0CW	K4XZ	WA7SDI	AC0A	N2RJ	CB0ZA
AD3Y	K6UIP	WB3IAL	AG4I	N4LS	K3RJK
CO2WZ	K8EAB	WM6Y	K4JC	NJ1Q	K4JMX
HB9ALO	KA5TJI	WQ5C	K5UZ	NM4SH	KA5WSS
K0CFI	KB5FHK	WR5AY	K5WO	VE3GFN	KC5YKX
K1UR	KB7BSA	XE2NL	KB1VUN	VE7DAY	KG4KVZ
K4SPA	KK4DZP	XE3DX	KC8NAH	W1WV	N1SF
K6YK	KW3DX		KE6WOX	W3STU	PU8TEP
K7HPN	N2ULL	88	KI6RRD	W4IT	W5DAS
K8OI	N4BRF	AA4QE	N0ELA	W4RA	W7YOZ
KB2YWU	N5BA	AE0DX	N2CJN	W6ST	W8GG
KB3IAI	N9JJ	AE4OF	NE5S	W7SIR	WA2ONG
KB3NDS	VA3XOV	AF4MI	NI5F	W8DQ	
KB7AZ	W9CPV	K1RS	NN7RM	W9QY	81
KC5POV	W9CSY	K3TN	W8GOC	WA4WKL	AB4I
KC8LGL	WA2BEV	K4XD	WB3IGR	WD4LSS	DF3CB
KE1IU	WA8OJR	K7CTV	WB8JAY	WF4R	KE4DZU
KE7RTB	WD9HCF	K7WV	WF4W		N6MM
KG4QWC	WE7H	K7ZYV		84	N7NEV
KI3O	WEST SEATTLE	KA1ATEUR	86	CT3FT	NI4Y
KI5BLU	WH6LE	KB2KIR	AG1T	DS2JJV	W3MC
KM7N	WM7C	KC1GWX	K7FB	K4EZY	WA4ZXV
KM9I	WT4C	KC3MLC	KA9OKH	KE6NDG	WA8ZNC
KQ6K	XE3/K5ENS	KE8UM	KB7JJG	N1KI	
N3PPH		KI2D	KI6HQT	N2NWS	80
N3WCM	89	KI4RFM	KN4MMH	VE2WBK	AC6BW
N6DW	AB1TZ	KJ4KW	KP4TB	W8PU	K7FR
N7CZ	AG2AA	KQ4AJI	KT1R	W8SGR	KE4PT
N8DEZ	AG7NR	KU4S	N2NF	ZS6NK	KR4Q
NR4J	G4NBS	N0OK	N3MVF		KW1DX
NU4N	JQ1TIV	N1CEO	N8TFD		N2NS

VY2HF W2DEN W5TTY W7AM	CX4AAJ KF2TI LU4FPZ VE6SO VK4CZ WC6DX	UX1UA	55 LA3MHA SP5APW WA2EMF	42 HA5PT	30 E72X JO7WXN WA6DNR
79 JF1LMB K4RW K5JBT KB4DSL KP4N N2COP N5YJZ N9RC VE3CFK W2GW W2SKI WN0L	73 JF1IRW VP2MJD W4WT	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	54 AG4KI JR2SQZ	41 E75AA	29 HL2WA OE4VIE
78 IZ8EDJ K2QPN SP5QWB TG9AWS W4NE	72 N4II PV8ADI	64 K3BQ WD5GRW (EM13QC)	53 K0BBC PP1CZ	39 AA5PK	28 CT8/K0RUI E70A JA6CRP JR7ILA K0FMI OH3DP
77 K1IFJ MI0AYR US5WE	71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	63 EA1DR HL2EIZ KB0RFY	51 CT1ETE N8OFS OH4UI VE9FCP	38 DD3KF DG7RO DU1EV HL4GAV K8YSE	27 KC9ELU WP4NIX
76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	62 K4DXA N6ZDH	49 HB9RUZ	37 BA7NQ DS4AOW HL4CJG JA9APS JH9DRL OE3SGU	26 WB7QXU
75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL W4LVH W5UC WP4NEG ZL3AAU	69 K3WGR W1YM WD4LBR YL2JZ	61 CU3AN K4MLB N0GVK	48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA	36 JA1WSK	25 EA4/K1WE
74 AK8B	68 AA4S EH7CD K6CF KJ7TEA	60 HB9BIN KP4JFR S55DX UR9QQ	47 HB9RYZ JE1VTZ N6PAZ	35 GI4OWA LU9DO UR5WA	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO
	67 JG2TSL KF4JHG KK4YEL W7YED	58 KC6NBI SV8CS WA2MUA	45 JA6WJL K4TXJ	34 G4SEU JL3LSF LA2QM	23 GM4ILS K4SLC KP4EIT W8MK
	66 K6KLY	57 IK1ZOF JL1UXH JL3MCM N5LJL WD5GRW	44 DM2RM WO3T XE2YWH/1	33 W8GC WB4SON WB8TGY (EN72)IZ3ENH	22 9H1SP
		56 HB9HIT KI5WA LU8ADX NI6T	43 8P6SH CT1EEN HB9AOF K4ZIN LA6OP	32 N3LRH SM6WET ZL3TE	21 EA1YN
			31 K7TM		20 CX1FK I1FQH JM1KVVW

N1WC	W4PWF	G1VDP	IV3GOW	JA6SZV	MM0INH
PY5EW		JA1CPU	JH7IPR	JA9FAI	OK1UU
W8LR	12	JE3PCP	JK6DXD	JH3MHI	ON6NA
	EA3GP	JG1JPE	UT5EL	JP1HDK	OZ1IKY
19	F4ESV	JJ2NWI	VK4ZP	K4KZM	PU5SVE
DL1TS	HB9DDZ	N8RO	XE1SAX	K7LY	SM3GBA
EA6BB	IK2RPE	OH8LXT		KEN IN NEBRASKA	
JE2UFF	JK1UNZ		3	LA2CQ	SM6LPG
J14WAO	JN1RQV	7	DJ5AV	OH3KAV	SP7EXY
JR3UIC	N1IW	DL1TRK	DL2KQ	SV1XV	SQ5NRY
PY2HN	ZS6WB	G8APB	EA1AR	SV3FUO	UN8G
SP8NR		GM4KHE	EA4D	YB2DX	UR5EDX
VE6TA (DO31)	11	IZ0INX	G3LHJ	YL2KF	VR2VGM
	A65BR	JA2NDQ	HA9PP		WB7VUF
18	DL2OE	LA3DV	HL2ZN	1	YO8WW
AJ6V	EA4DAU	N5ORT	IK0WRB	3A2MW	
KJ4EU	EA4ZK	NJ4Y	IK8EPC	9A2EY	
W0HBH	G4CTY	UR5FEO	J11CHH	AJ6T (EM66)	
	IZ4GWE	ZS4TX	JM1GHT	BD4UJ	
17	JA2KVB		JN1BPM	CT1AHU	
G3LZQ	JA6QHJ	6	JR6IQI	DH8BQA	
PY2XAT	KA5WRG	CT2FEY	KC0Y	DJ3ZF	
SP5XMU	PY2DV	DU0A	PY5IP	DL2DCX	
SV8CKM	PY2GM	EI2JC	SA7CJO	DL4ZAB	
		JA7NGE	SV1VN	DL8GAM	
16	10	PY2VA	US0YA	DS5DNO	
N6VHF	DL4CF		W1CBY	DS5TOS	
T12CDA	HB9BOS	5	WD9EWK (DM43)	EA2AA	
	JH7IMX	DL5LH	YB1TJ	EA3WD	
15	JH8RZJ	EA1AAA	YL2CA	EA4GQS	
9K2BM	J12UDK	EA7ZY	YL2MU	F1VEV	
EI2GLB	PA5KT	G6MXL		G4CFS	
HB9FMN	SV2DCD	IK8GYS	2	G4VSS	
LU5FF	TF3Y	J15USJ	5B4ALJ	G7SQS	
PY2RN	UR7DWW	JJ1IDW	6K5XZE	G8TTI	
UT3UA		M1VPN	9A2GA	IK5BSC	
WC2C	9	MU0GSY	9K2NO	IW0AFS	
	DL7BA	OK1IN	BV6CC	IZ0BTV	
14	EB1EWE	ON5UE	CO6CBF	IZ2CSX	
EA8MT	EC7ZK	PP2RON	DF3VG	IZ3DBA	
IW3GJF	G6BFP	SK6QA	DF8FT	IZ5FSA	
JA2XCR	HB9GWJ	VE2NGH	DK1CO	JA1GZK	
KB8DVT	IK3ITB	VR2XMT	EH4BPJ	JA7DPC	
PA7RA	JA1MZL	W1ZR	ES8JX	JA7VXB	
PV8RR	JA2FGL	W2ZF	F5TMJ	JH8XVT	
PY2OC	JE1LFX	YL2CZ	G0THY	J11HNC	
W9TTY	KD3UY		G4DDL	JJ1PFC	
	S51NM	4	G8GNI	JL2ULM	
13		CT7/RC2A	GI4ONL	JN3ONX	
JA2LWD	8	DD6UAH	IK1IYU	KC3KJQ	
K4AKX	DF1ZN	EK/RX3DPK	IK2GOQ	KG4JSZ	
K4WY	DH0GSU	F1DFR	IZ8XQC	KH6WI	
PY2MC	DK2LO	GM4CFS	JA6AVT	KP4DER	