

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 (09 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	469	458
AA0MZ	N6JV	KY7M	W5WVO	AJ4F	K9NW
AA5AM	N7NW	N0KE	W9RN	K4MY	KG5THG
AA5C	N9LB	N7KA	WB9CIF	K7PI	N9BCA
AA7A	N9UM	W5ZN		N7BAV	NE1B
AI5I	ND0B	WD5COV	478		
K0GU	W0FY		AD1C	467	457
K0SIX	W0JW	485	AE5B	K3SX	K4HB
K0TPP	W0LGQ	K1USA	K6ZH	NY0V	W9WO
K1TO	W3CP	K9MU		W5THT	
K1TOL	W4UDH	N0POH	477		456
K4PI	W5ADD	N5WS	N5KO	466	AJ4A
K4XO	W5AFY	W5VY	N7ZO	KA0JGH	N4QS
K5ND	W5AJ		NC6K	KB6NAN	
K5RK	W5EME	484	W6XK	NA6MG	455
K5UR	W5FF	AD6D		WX7M	K9MK
K5WE	W5KI	AF5CC	474		KF8MY
K7BG	W5OZI	AI1K	K7KQA	465	WA9DU
K7CW	W5TRL	WQ0P	ND4X	N4JQQ	XE2X
K7ULS	W7GJ			XE2K	
K8SIX	W7JW	483	473		454
K9CT	W7KNT	AC0RA	NQ7R	464	WB7CJO
KA9CFD	W7MEM	W0VTT	VE3EK	KB9OWD	
KA9FOX	W9FF	WA7HQD	WB0O		453
KD5M	W9JN	WB0ULX		463	K4YMQ
KG5CCI	W9RM		472	KB8VAO	K6EID
KM0A	W9XX	482	KB7ME	NI0G	KB9DAK
KM0T	WD5K	K0BJ	WD8JJA	W5XC	N9FN
KO9A	WQ5S	N4WW	WE9R		
KR7O	WS9V			462	452
KV5W		481	471	N6ORB	KK4MA
KX4R	487	KC7QY	N9PGG		N5BO
N0LL	K7MAC	W9VHF	W0RH	461	N8YO
N0LWF	K9YY			NA9RB	N9BX
N0PB	N0AKC	480	470	W3UR	
N0TB	N7CW	K5GZR	K4SO		451
N1AV	N7IR	KC7V	K5RT	460	K1HTV
N3SL	N9ISN	N4TB	N4SIX	K5OMC	K5WBM
N3XX	NA6L	N5EKO	WO7R	K8ZM	KD3CQ
N5DG	W3IP	XE2OR		KF0M	WA1EAZ
N5NA	XE2CQ				

450 W0MU	436 NZ3M W3TC WB8ART	423 W4DR	411 N1EVK N9EAT WR7X	KM3V	390 KZ2I WF7T
449 KF6HI N8OC W8TN	435 KF6A	422 K0DD VE6WQ WB5JID	410 K3UA KB0V KE7SW KI8G	400 KT8O W0JRP W3UUM W7FI	389 W5MO
448 K4XP KP4AJ W3LPL WB8ZBT	434 AA1ON K1SIX VE3LYC	421 NE6I NP4EI/W7	399 NN4R	388 K0IP W4WRL	
447 AH0U KS7S N2NL N4SC	433 AB9BH KE8KMX WW1L	420 AD5A	409 K5PI N5SYV N9JR VE3DS	398 N8IEZ W1NG	387 KV4T N0FJP N4CH
445 KG7CW KU7Z N4LR	432 K3FRK K6GXO N6KK	419 K7NN W0GN W5AL	408 K7SMA W7BA WA1NLG	397 AB4EJ KE4TH KI0E W8LMG	386 JA7QVI KF9UG N7IJ W5TFW W7AH WE4S
444 K4SSO W3LL	431 K0TLM	418 N4UFO	407 W4AS W5CIA W7Yaq	396 AB4SF AG4W KB8U N3OC	385 K0JDD NK1K VE6MB W4WTA
443 AB4IQ K5XI N4MM	430 K1TEO	416 AC9DX K4RWP K7ND KO4MA NI0P	406 AK3E K6FG K8EB	395 AA5XE K0AZ K5XM KF7CQ WB4EVH	384 K8ROK N2WK W8OP
442 AG9S K4ZOT N2QT N4TL NJ6D	428 K9APW	415 K7AWB K8JH W0GJ	405 AA4SC K1GG K5CKS NE9U	394 K6RO	382 N8LRG VE3YXO
441 K8TB K9KLD	426 N5OK W5JAY	414 K0DEQ K2TER KM8V N0GZ W4TV	404 N2ZX NH6T/W4 VE4EAR W5SUM	393 K7XB K7XC KD5XB KV7N	381 W3VZ
440 W2IRT	425 K6ML	413 AE5FM WA9LFO	403 K6VHF NY1V	392 AF4HX K5HPT W6OMF	380 K7MCX NK0S WA5LFD
439 K8ROX N4QWZ N5TJ NM5U	424 K6JJ N4UFP N9AKR W3EP W5PR WB8BPU	412 VE2XK 6M FN07401	402 K3FM	391 W4AVY W6TMD	379 N8WNA
			401 K4CKS		378 KR4BD

377 AB1OC NT9E	364 AB5EB K0RAR K5KEW N6QQ	K0CS	340 N0AN WA9M	333 AA4LR K0TC KM4HI N0IGZ W3GQ XE1YY	W3HDD W7JLC
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 WA5OLT	350 N6VI WB4KTF	338 AI9L NA5Z VE3SXE W4MAY W9XA WA5KBH		
371 AA4ZZ N3PS WA6BYA	361 K8BL K9NR KB1EFS N1KDO N8KOL NG4C W4ER	349 K1GJQ KA0BAD		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	337 K8ZES W9EWZ WA5RT WW0E	330 KB8MBC KG6AY W8PI	322 JG1TSG N3ALN VA6SZ
369 KF8UN N2DPF	359 AA4FF K0CAO	347 W2HRO	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S	329 AA1QD N2JJ W2OR W8WG W9DCT WX4G	321 N0LD N7RO NC7B NS4C W9VA
368 N4JP W5RCI W6GMT	358 K5RLA	346 N9XG	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA		320 KG5EIU N4DW
367 KC4HW	357 K4LVV WA9PWP	345 AA8SW W3XY XE2YWH		328 K6ME N5PT W2CNS WB3LHD	319 N7US
366 KI7JA	356 K7PT	344 K6FW KB0PE W1OW	334 AD7OV K0OOK K3TRM N4UFO (EM95)	327 KJ5RC N0YO W2JU W7YA	318 W4HY
365 K4JJW K6EME WA7PDC	355 AA4FL N3AIU (DM45) W1DYJ	343 K1ST K5EK KK0DX N3RC N3YT N6KZ N8HRZ			317 KA8SYV W1SKU
	354 KE8Y NP4EI NU6S	341 KD7DCR N9LF NX7U WA7YAZ		326 K2ZD K6LMN K6TDI NG7M W0PR	316 DK8NE K3FN KA0ABA W4UCK W9BWR

315 K0PG K5VH KM3T NY2NY WA8ZID XE1AO	305 K3VAT K6UM (CM88) KT1J N4SV	296 K4XR K6YUI KC7RW XE1EE	N8CGY W7CT WA4NVM	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	285 AB0S K5CZD K9UO NS7K	277 AC7JM PV8DX	268 K1DT 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	W2GKR W4VC WA2IIE	283 N5OHL NA5DX WA0FQK WB0CQO	275 K1MAA K2NJ N4GG W0FK	266 K1OA K1WVX K3HPA TG9AJR VE3MSC WB8EJN
311 AC9S KS4XQ W2BZY W5DB	301 N0HJZ W3SW W7IB W9OBG WB0TVY	292 KJ6P N4ST W1SSN	282 AA0ZP N8JCM W4WM	274 KB1DMX	265 N5KS
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	264 AC8L K4JAF N0TK N5AO NF1O
309 AA9RR	299 KX7L VE6WK W1LE W8UV WB5GVY	289 K2BLA K4MM K9FA N5BCA NQ7G W4LTJ	280 N0KV NM5Z W1FKF	271 K7NII KB7FUV W3HHN	263 AK4PR K0NO K7MDL K9AAA WB7QBS
308 WA4HFN	298 K0MLD KD4WSC KK8MM N4IQ W0JM	288 K1NU W1DU W4HLR	279 N3JPU N6PM W0PPA W0VHF (EL87) W8GJ XE1FAS YV1DIG	270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT W7JY WZ9B	
307 AG1A KE5K KS4S W9RPM	297 N8YQX	287 K8DP KC7MRQ	278 AA9D		
306 K4QE KL7HBK WV9L					

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	KC5FP	194	WU9Q	K5HDE
KI5FJ	K6US	KO9V	K2MRK	WX9M	KB8YKR
N2YU	N1BCL	KR0I	N3FA		N3XJX
N6KW	N8NJA	NN0K	N9NFT	187	N9MSG
		NR2C	WF1H	AA8R	NY0A
214	206	WA1MKE	WK8A	KQ0J	W4RBO
JA7MSQ	AA9JC	WA9ASZ		N2WM	W9BS
KB9PJL	AB0CT		193		WJ1B
KC7OD	AK4Y	200	K9AB	186	
VE3SYK	CT3MD	4A2MAX	KC5N	K8PT	180
WA7AJ	DJ5FI	K4YJ	KD2NF	K9SG	K0OST
	K4GHS	K5DB		KN7K	K4LYN
213	K9YC (EN61)	K6ZZ	192	N0XLR	KC1MMC
K3DFL	KB0LYL	LU4FW	AA6AA	N6ZE	N1RK
KI6X	NA5Q	N7PHY	N1LF		N6PEQ
W0NBC	W0BNE	N9AG	N2NB	185	N6VH
	W4EJG	VA3VU	N3CAL	AD6W	W5HI
212	XE1J	WB2AA	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	198	191	W5BPT	NH7RO
211		4O3A	K0ITC	XE1R	VA3DPB
K9FOH	204	AC8TO	K9CS		W8LHP
KD3HN	KO0Z	N0UK	KK6OH	184	WA4QMQ
NE8S	LU2DX	N7EPD	N9AMW	AF5Q	
PV8BR	WA3DRC	W8DM	WA2BKN	K0DEW	178
W2ZDP		WA7KYM	WA5CAM	KR4M	HB9EFK
W5HNK	203		WD4JHD	N1IBM	KA2AYR
W6AER	K0VSV	197		N3FX	KB0EO
W6KAP	K5HYT	I0WTD	190	N4BG	KB1RZA
	K5LOW	K3EGE	K5ER	N4DTF	KG5RJ
210	N0HF	N4BAF	KC2DLD		N1ZUK
K3MSB	N8SYF	W3TW	KN4PPD	183	NQ2O
K9YC	NX0I	W5CTV	N9UA	K5RQ	VE3NRT
KL7NO	W1RM		W1ATV	N0UBL	W0ZY
N1TQ	W3SZ	196	W2OO	W2UDT	W1MAD
N6UK	W9GFB	K0AIZ	W4GE	WC4H	WY7FD
WQ9T	W9VOB	K0NR	W8SP		
	WA1KPD	N5DUW	WB0DBS	182	177
209		W2AMR		AJ6T CM87	AG4ZE
AA4IB	202	XE2ED	189	FP/KV1J	K2QQ
W5WGF	K1BZ	XE2W	AC0W	K5GMX	KI4BWW
WA4NFO	K5GJR		KC0MEA	K8WK	NY4I
XE2N	WC7X	195	WA5VKS	NZ1I	SM7FJE
	WF8Z	AA4W		W9JJ	W5ZG
208	WQ5W	K2WJ	188	XE1CL	WA8UEG
AI2N		K6VDP	AD7KI		
CO8DM	201	KG6WIK	KD4HLG	181	176
KD5HIO	AA7WB		W4AZR	AB9FN	AD5ZA
PV8ABC			WA7VHF	K4CMS	EA5BY

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	KB4UF	118
KC8TMU	CU3EQ	K8LG	N7DGI	KB5WFE	J68AS
KJ4KVC	K4MWB	KC4NX	WB4HUC	KC5UGX	K4AZV
N1EN	K8ZIZ	NG9R	YL2AO	N5HYV	KA4LBD
N3VOP	LY3W	NO8D		VE6PY	KF6MXK
NJ0U	N4DB	VE1DX	125	VE7JAC	KI7BP
VA3FLF	W6BXQ	VE2TZX	AA7DK	WD0GTU	KT8X
VE3KY	WB8BZK	W0PHX	K3PU		N1QDQ
W4GPM	WW2DX	W2LES	KC5DRI	121	N3JNX
W4TUN	XE1H	W3FEY	W2AJM	AE1P	N5EIL
W6DQ		WA2SEI	W3UQH	K0MFI	W2AC / WB2ABK
WA4KXY	134	WB4YDL	W4DFU	K4HBI	W2AC/WB2ABK
	AB1NS	WW5W	WA6POZ	KB2WAL	WB2KSK
139	AB4GE		WB4OMM	KB5MH	
KC7JPC	AD4TT	129	WE1P	KE4JFS	117
KM2O	C6ABB	8P6ET		NE0P/9	AB5J
KU0G	GM4UYE	JF4VZT	124	UR0MC	K4WS
N7T	KE5FXE	K0KD	K0DLW	W8DN	N4USG
NA2AA	KF6UFO	K5QWO	KB0HH (EM06)	WB9TFH	N5JEH*
TF3JB	N3AIU (DN70)	KC8KSK	KD5FTD		N5LPT
W4OV	N8GOU	KF4NEF	KM1C	120	NA7L
WB2JIL	W4TKI	KM5LY	KT5MR	EA1YO	NU6V
WY0V	WA3WZR	KM5SC	N0SL	K2CYE	W6WE
		N9WBR	N9AZZ	K4AU	WA1TBV
138	133	128	PV8AAS	K4CGY	XE2PXN
AC0XY	KA5ETS	JR2LJO	W1TAM	KD0R	
AI6O	KC1RET	KC7QAG	W3KN	KD4MZM	116
KD7WPJ	KE1VT	KJ6SDF	W6SCQ	KD5BRF	EA4DEI
KE0A	W0RT	KN4DMN	W7YM	KE4SCY (FM06)	K4RGN
KE3D	WI5D	N1SFE	W9CDL	N3YPJ	KI6QDH
KE8RO	WW7Q	NR1R		VE1JC	KU5B
KQ4KX	XE2O	W0WT	123	VE3XK	N0VR
N3XH		W5ZO	AC7AF	WA6RAY	NO0B
137	132	W8FR	K9SM	WD4OHD	W0DHB
N1SZ	AB3CV	WB2WEO	KB0GT		
N5JGK	K5VG		KB0STN	119	115
SM7AED	KW4G		KG6DHQ	AE5AU	K9AAN
	N4PPH	127	VE3TG	K0AWU	K9MMS
136	N7TP	AA9RK	W1HS	K1ZN	KE6TVM
K0XXX	NE1I	K3GYK	W3DIY	K2SQS	KF0QS
K4SX	VE3TM	K7UV	W3SE	K4MSG	KF9AF
KC5LK	WN6K	K8AC	W4PRZ	K7JIZ	KM5FA
KC9AXZ		K8OS	W5EWF	KF7PCL	N7VGO
KJ5RM	131	KB3OZC	W7MHW	KP3V	VK9DX
KV1E	K3NAT	KB9TLV	W8BI	KT0P	WA3BZT
NO1R	KG9R	KC0RQH	W8KHP	KW7N	WC7V
W2JCN	KT3X	N6UTC	WA8WV	N4UPX	
W4AVV	N2CJ	VE2JWH	WB2RVX	W0QC	114
W7UV		W1FLD		W4SW	AC8HU
XE2JS	130	WA6BIL	122	W7QQ	K3RTU
	AB0X		K7AED	WI4T	KC4GCK
	G4BWP	126	K7OGW	WM9M	NF8M
	K0GUR	KJ7G	KA9JAC		VE1WOW

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	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	KE9V
N8YV	97	KA3HED	N5KI	N3XBG	KI0J
N9MKC	AB8M	KB5GI	N9IV	N3YUG	KK7MNC
NB5R	AJ9C	KB8PNS	N9LJX	N5ZMP	N2BX
NH6CJ	K0HB	KC0HBP	OE9KFV	N6HY	N2YTF
NI5W	K0JQZ	KD6PY	PY2KP	N6MXU	N3AO
NS2P	K0QEI	KI5TE	VA3KS	N7NH	N3ZBK
VE2HAY	K0SH	KM5NU	VA3PZ	N7UN	N4GOA
W2HOG	K0YQ	KR4EE	VE3KZ	N8WWM	N4YHC
W2VU	K3HZO (FN20)	KS4V	VE3SPW	N9DD	N7EGY
W5JLC	K4GTR	KT5RR	W4YZJ	N9UNX	N7JI
W6TJU	K4JQU	N0WVU	W5ADA	VA3MA	N7KSI
WA5TRX	K8XF	N2LID	W5CBF	VE3RX	NA9D
WB5NHX	KA2BSK	N2VHZ	W5RCQ	VE5MX	VA3JFF
WB7VVD	KA7EII	N2XK	W7JWC	VE7AB	VA7QI
WK5X	KC0YBM	N8PAQ	W9SX	W2GR	VE3WMD
WW2R (EL09)	KD5CKP	N8YBY	WA2ONK	W3IPA	VK5PJ
	KF4KSN	NT2A	WA3I	W3TA	W0MHK
98	KM4NYI	NW5Q	WA4WR	W4LNG	W2VTV
AC2RL	KT5WB	NY2Z	WB2SIH	W5ODD	W3ZGD
AD8Y	N1VMJ	VE2DCP	WD8DOT	W5PUF	W4VG
K0KC	N3UMA	VE6RGU	WS4S	W7NX	W5DMT
K0UD	N4BH	W1HMM	XE2AT	WA7LHZ	W7EIR
K3IXD	N6MA	W3VHF		WA9BXB	W7TRX
K3QIA	N9APK	W4KK	94	WT9U	W9IFW
K4OP	N9IO	W4TMR	AA4RP	WV2I	W9NED
K5HOB	N9KY	W7JHS	AB4VT	WV7S	W9WI
KA1EKR	NK7C	WA3EEC	AD1DX		WA5ICA
KE4LGL	NU0Y	WB0M	AK8CW	93	WB5CON
KG4YOU	NV3K	WB5KJE	HK4SAN	AG2A	
KG7E	VA3FIN	WP4LNY	K0ARM	AG6CV	92
KJ2G	W3QT		K3BEE	AI8F	K1EY
KK0CQ	W4CWA	95	K3TUF	IZ4DPV	K5GDX
KY0Q	W4DAS	AB9AI	K4JRK	K0IW	K5TDA
N0JJQ	W4ID	AE0G	K4LDC	K0RM	K7FU
N1JHJ	W7DN	AE5EO	K8GT	K1PTF	K7HKR
N3LRP	WA6OSX	IK8YTA	K9DOG	K1ZK	K7UWR
N5TEY	WA9LEY	K1PNQ	K9SUL	K2AK	KB0PQP
N8AID	WB8RVK	K4ED	KA2F	K2MTS	KC4JNW
NO5X	WB8ZTV	K8KFJ	KA9UVY	K4DAM	KD4QMY
NO8R	WE8L	K8ME	KB4YKC	K5TRI	KE4WBO
VA3VF		K8VD	KB7AK	K6RM	KG4URP
VE4XTZ	96	KD7WH	KC0AUY	K7IP	KR7X
W2KRP	AD5OW	KD8DR	KC3AK	K7TRK	N2SG
W6TE	AE4TQ	KD9ZR	KD4VRZ	KB0USF	N3GH

N4VN	NR4J	G4NBS	N0OK	N3MVF	83
N5QO	NU4N	JQ1TIV	N1CEO	N8TFD	AA6E
N6FD	VA2BBW	K4BMM	N2MKT	NZ3O	DL5XJ
N6RPM	W2SUB	K5CX	N2ZN	SV1RK	K1LH
N7DED	W4MLN	K5JAZ	N4CAG	UT9FJ	K4SQC
NS6E	W5KDA	KA0MWA	N4GN	VA3MDB	K8SIA
UT5JAJ	WB0NRV	KF4TVL	N4KIN	VA7LM	KB3HHA
W1PV	WB7X	KI0G	N4UC	VE7IRU	KB9LIE
W2ACY	WC4V	KI4FW	N5VBK	W8IW	KK7BV
W2CVW	XE1GZU	KI4US	NS3X	WA1PMA	KU4WW
W3ACO		KR4U	NT4TN	WB4GCS	N5PD
W3GP	90	N2GZ	VE2VLJ	XE2AU	N6KTH
W3HZU	AA0LM	N5KAE	W2BZR		SV2AEL
W4BP	AB4WL	N8YSZ	W3YX	85	TG9AKH
W4LIA	AB9DU	N9RG	W4DL	AC3KE	W7USB
W6NS	AF5BG	N9UDX	W4RXR	AC9GK	WD6T
W8JV	DL1SMA	NE2U	W7HDD	EI3IO	WD9IOK
W9HBH	JH4JNG	VE3VCF	WA2BTR	K1UU	WI6Z
WA3JKB	K1HC	W0HRO	WA5MD	K4LRP	XE1MM
WA4EEZ	K1KA	W1HY	WK3N	K5MJP	
WG8E	K3CWF	W2JEK	WV8O	KB3MXK	82
WM3O	K3UAL	W2OK	XE1SOV	KC0V	AD4IE
	K4AAP	W4ZMM		KE4DRF	CB0ZA
91	K4FTP	W6VNQ	87	KK4AND	K3RJK
AA0CW	K4XZ	WA7SDI	AC0A	N2RJ	K4JMX
AD3Y	K6UIP	WB3IAL	AG4I	N4LS	KA5WSS
CO2WZ	K8EAB	WM6Y	K4JC	NJ1Q	KC5YKX
HB9ALO	KA5TJI	WQ5C	K5UZ	VE3GFN	KG4KVZ
K0CFI	KB5FHK	WR5AY	K5WO	VE7DAY	N1SF
K1UR	KB7BSA	XE2NL	KB1VUN	W1WV	PU8TEP
K4SPA	KK4DZP	XE3DX	KC8NAH	W3STU	W5DAS
K6YK	KW3DX		KE6WOX	W4IT	W7YOZ
K7HPN	N2ULL	88	KI6RRD	W4RA	W8GG
K8OI	N4BRF	AA4QE	N0ELA	W6ST	WA2ONG
KB2YWU	N5BA	AE0DX	N2CJN	W7SIR	
KB3IAI	N9JJ	AE4OF	NE5S	W8DQ	81
KB3NDS	VA3XOV	AF4MI	NI5F	W9QY	AB4I
KB7AZ	W9CPV	K1RS	NN7RM	WA4WKL	DF3CB
KC5POV	W9CSY	K3TN	W8GOC	WD4LSS	KE4DZU
KC8LGL	WA2BEV	K4XD	WB3IGR	WF4R	N6MM
KE1IU	WA8OJR	K7CTV	WB8JAY		N7NEV
KE7RTB	WD9HCF	K7WV	WF4W	84	NI4Y
KG4QWC	WE7H	K7ZYV		CT3FT	W3MC
KI3O	WEST SEATTLE	KA7ATEUR	86	DS2JJV	WA4ZXV
KI5BLU	WH6LE	KB2KIR	AG1T	K4EZY	WA8ZNC
KM7N	WM7C	KC1GWX	K7FB	KE6NDG	
KM9I	WT4C	KC3MLC	KA9OKH	N1KI	80
KQ6K	XE3/K5ENS	KE8UM	KB7JJG	N2NWS	AC6BW
N3PPH		KI2D	KI6HQT	VE2WBK	K7FR
N3WCM	89	KI4RFM	KN4MMH	W8PU	KE4PT
N6DW	AB1TZ	KJ4KW	KP4TB	W8SGR	KR4Q
N7CZ	AG2AA	KQ4AJI	KT1R	ZS6NK	KW1DX
N8DEZ	AG7NR	KU4S	N2NF		N2NS

VY2HF W2DEN W5TTY W7AM	CX4AAJ KF2TI LU4FPZ VE6SO VK4CZ WC6DX	UX1UA	55 LA3MHA SP5APW WA2EMF	K4ZIN LA6OP	31 K7TM
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	42 HA5PT	30 E72X JO7WXN WA6DNR
78 IZ8EDJ K2QPN SP5QWB TG9AWS W4NE	72 N4II PV8ADI	64 K3BQ WD5GRW (EM13QC)	53 K0BBC PP1CZ	41 E75AA	29 HL2WA OE4VIE
77 K1IFJ MI0AYR	71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	63 EA1DR HL2EIZ KB0RFY	51 CT1ETE N8OFS OH4UI VE9FCP	40 JR0QFA WB8TGY	28 CT8/K0RUI E70A JA6CRP JR7ILA K0FMI OH3DP
76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	62 K4DXA N6ZDH	50 N8MR	39 AA5PK	27 KC9ELU WP4NIX
75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL US5WE W4LVH W5UC WP4NEG ZL3AAU	69 K3WGR W1YM WD4LBR YL2JZ	61 CU3AN K4MLB N0GVK	49 HB9RUZ	38 DD3KF DG7RO DU1EV HL4GAV K8YSE	26 WB7QXU
74 AK8B	70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	60 HB9BIN KP4JFR S55DX UR9QQ	48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA	37 BA7NQ DS4AOW HL4CJG JA9APS JH9DRL OE3SGU	25 EA4/K1WE
	68 AA4S EH7CD K6CF KJ7TEA	58 KC6NBI SV8CS WA2MUA	47 HB9RYZ JE1VTZ N6PAZ	36 JA1WSK	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO
	67 JG2TSL KF4JHG KK4YEL W7YED	57 IK1ZOF JL1UXH JL3MCM N5LJL WD5GRW	45 JA6WJL K4TXJ	35 GI4OWA LU9DO UR5WA	23 GM4ILS K4SLC KP4EIT W8MK
	66 K6KLY	56 HB9HIT KI5WA LU8ADX NI6T	44 DM2RM WO3T XE2YWH/1	33 W8GC WB4SON WB8TGY (EN72)IZ3ENH	22 9H1SP
			43 8P6SH CT1EEN HB9AOF	32 N3LRH SM6WET ZL3TE	21 EA1YN

20 CX1FK I1FQH JM1KVV N1WC PY5EW W8LR	13 JA2LWD K4AKX K4WY PY2MC W4PWF	8 DF1ZN DH0GSU DK2LO G1VDP JA1CPU JE3PCP JG1JPE JJ2NWI N8RO OH8LXT	DD6UAH EK/RX3DPK F1DFR GM4CFS IV3GOW JH7IPR JK6DXD UT5EL VK4ZP XE1SAX	IK1IYU IK2GOQ 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 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 JJ1PFC JL2ULM JN3ONX	
18 AJ6V KJ4EU W0HBH	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ KA5WRG PY2DV PY2GM	6 CT2FEY DU0A EI2JC 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 YL2CZ	2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF3VG DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL		
15 9K2BM EI2GLB HB9FMN LU5FF PY2RN UT3UA WC2C					
14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM	4 CT7/RC2A			