

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 (27 Nov 2024). 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	484	474	462	N4SC
AA0MZ	W4UDH	K0SIX	N4WW	K6ZH	W5EME
AA5AM	W5ADD	W5VY	W6XK	N6ORB	
AA5C	W5AFY	W5ZN		WE9R	446
AA7A	W5AJ		473		K6EID
A15I	W5FF	483	NQ7R	461	N4QS
K0GU	W5KI	AC0RA	WB0O	NA9RB	NV4B
K1TOL	W5OZI	K0TPP			
K4PI	W7GJ	K1USA	472	458	445
K4XO	W7JW	W0VTT	A11K	K4MY	KU7Z
K5RK	W7KNT		KB7ME	KG5THG	N5NA
K5UR	W7MEM	482	N7ZO	N9BCA	
K5WE	W9FF	AD6D	WD8JJA	WB9CIF	444
K7CW	W9JN	KX4R			N7BAV
K7ULS	W9RM		471	456	NI0G
K8SIX	W9XX	481	AF5CC	N4JQQ	W4DR
K9CT	WD5K	W9VHF	N5KO		
KA9CFD	WQ5S		WD5COV	455	443
KA9FOX	WS9V	480		K4SO	AB4IQ
KD5M		K5GZR	469		K4XP
KG5CCI	487	N7KA	K7BG	453	N4MM
KM0A	K7MAC	WB0ULX	KM0T	K4YMQ	
KO9A	K7TM	XE2OR	N4TB		442
KR7O	K9YY			452	N8OC
KV5W	N0AKC	479	467	W3UR	NE1B
N0LL	N7CW	W5WVO	AD1C		
N0LWF	N7IR	WA7HQD	WO7R	450	440
N0PB	N7NW			AJ4F	AG9S
N0TB	N9ISN	478	466	N9BX	K8TB
N1AV	NA6L	AE5B	KA0JGH		KB8VAO
N3SL		N5WS	KB6NAN	449	W2IRT
N3XX	486		N5EKO	KF6HI	W3LPL
N5DG	K1TO	477	ND4X	W8TN	W5THT
N5OMG	KY7M	NC6K	WX7M		
N6JV	N0KE	W9RN		448	439
N9LB		XE2CQ	464	W5XC	WB8ZBT
N9UM	485		KB9OWD	XE2K	
ND0B	K5ND	476			438
W0FY	K9MU	K0BJ	463	447	KB9DAK
W0JW	N0POH	KC7QY	VE3EK	K4HB	
W0LGQ	W3IP	KC7V		KS7S	

437 N9PGG NY0V	426 K4ZOT K8ZR N5OK	411 K9MK N9EAT	396 KB8U	382 K5PI K6VHF VE3YXO	369 KF8UN N2DPF
436 K3SX K7PI KD3CQ W3TC WB8ART	425 K6ML XE2X	410 KE7SW K18G	395 AA5XE K0AZ K5WBM KF7CQ	381 W3VZ	368 KB0V W5RCI W6GMT
435 K9KLD KF6A WB7CJO	424 N4UFP N9AKR W3EP	409 N4HN	393 K7XC KK4MA NJ6D W4TV	380 K7MCX NM5U WA5LFD	367 KC4HW KR4BD NT9E W7Yaq
434 K1HTV K1SIX	423 AJ4A NA6MG	408 W7BA	392 AF4HX VE4EAR W6OMF	379 N8WNA	366 AA4ZZ K17JA N4LR
433 N9FN W9WO	422 VE6WQ	407 W4AS W5CIA	391 W4AVY	378 WR7X	365 K4JJW KG7CW KZ2I WB4EVH
432 K6GXO N6KK W5TRL	421 K8ROX WB8BPU	406 AK3E K6FG VE2XK 6M FN07	388 K0IP W4WRL	376 AA5JF K8GI K8VfV N1EVK N2WK	
431 K0TLM N2QT	420 VE3LYC	405 AA4SC K5CKS	387 K2TER KV4T N4CH	375 K6QG WB4OQX	364 AB5EB JA7QVI N6QQ W7FI
430 K1TEO KF8MY N5TJ	419 K7NN W5AL	403 KE8KMX NH6T/W4	386 N7IJ NN4R W5TFW W7AH WE4S	374 AB1OC N6GP N7DB	363 W4NH
429 WA5JCI	416 K4RWP K7ND	402 K3FM	385 KF0M NK1K VE6MB W4WTA	373 K4SSO	362 WA5OLT
428 K9APW KP4AJ N2NL N4TL	415 K5OMC K7AWB KO4MA N5SYV W0GJ WB5JID	401 K4CKS	384 AA1ON AB4SF K1GG K8ROK	372 W5MO	361 K7XB K8BL K9NR N7MB N8KOL NE9U NG4C
427 N4QWZ W3LL WA1EAZ	414 AH0U K7KQA W0GN	400 W0JRP W3UUM	383 N4UFO	371 WA6BYA	360 AA4FF K6UM (CN85) N3OC
	413 WA9LFO	399 WA9DU			
		398 K7SMA N5BO N8IEZ W1NG W5JAY			
		397 K5RT			

359 NI0P	344 K6FW KB0PE KG8P W1OW	N4UFO (EM95) N9DR N9XG WB5TOI	K6TDI KD5XB NG7M W7JLC WF7T	W4UCK W9BWR	KF2T KT1J WA9M
358 K5RLA		333 KM4HI KN4NN N0IGZ W3GQ	325 WA2AEY	315 K5VH KG6AY NY2NY	304 K6IPF W4FC WA0GUD
357 K4LVV W5PR	343 AB4EJ K5EK		324 K9SH KU4A N2BJ N8HRZ VE3TMG	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN
356 NY1V	341 KD7DCR WA7YAZ	332 AA7UN N4JDB N7KDT VA3IKE W9GM	323 K10E N8II W4MAY W8KEN WW0E	313 K0TC N6NR NF4A W4GLV W5RKN WA1NLG	302 KB2TGU W3TI
355 N2ZX	340 N0AN	331 K8WDA KC0UDO N4MW N6KZ VE7BV	322 VA6SZ	312 AF6O KA2GOJ WB3LHD	301 N0HJZ N2ZZ VE1JBC W7IB W9OBG WB0TVY
354 K0DEQ	339 KE4BKL VA7FC W5VAS	330 KB8MBC NK0S	321 NC7B NS4C W9VA	311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S
353 AF2K K0CS K8EB	338 N3RC VE3SXE WA5KBH	329 AA1QD N2JJ W1DYJ W2OR W8WG W9XA WX4G	320 K0VG N4DW	310 AA8SW NJ7G VA2WA W9KVR WO4DX	
352 NZ3M W0KKK W1JR WA9PWP XE2ML	337 K8ZES NU6S W9EWZ WA5RT	328 K6ME N5PT W2CNS	319 N7US W4ER	309 VE3XN	299 VE6WK W1LE W5SUM W8UV WB5GVY
351 AA4FL K5DTC	336 AC9DX FG8OJ K5KDX K7BV K9QVB/9 VE3DS WO9S	327 K6EME KJ5RC N0YO W2JU W9DCT	318 N3ALN W4HY	307 KE5K W3ATV W9RPM WB4KTF	298 KD4WSC N1NK N4IQ
350 AB9BH N6VI N8YO	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	326 K2ZD K6LMN	317 N3PS W1SKU WA7PDC WO2T	306 K6RO WV9L	
349 K8JH KA0BAD			316 K3FN KA0ABA N1KDO	305 K6UM (CM88)	297 N8YQX N9LF
347 KT8O					
346 W8LMG					
345 W3XY XE2YWH	334 K0OOK K3TRM				

296 K6YUI KC7RW	286 AG1A	N8BJQ NN1N WA4HFN	269 K1GJQ K2IE K3ZO KD5R N5EPA N5WD	ND4DX WA0KBZ	253 KG4ERR N2XQM W9TA
295 KE4P N7NT W2HRO	285 K5CZD K9UO N0LD	277 AC7JM JR1LZK NS4T PV8DX		261 AF2F K3TWK KB8UUZ N3EW	252 AB5A K1ACL NN4RR VE6NTT VE6SH
294 K6JSV NA5Z	284 AB0RX K0KP K4DET KX7L NJ2F (EL96) RETIRED	276 K2CS K2UU K5TWJ K7TAB KE8Y	268 K6OJ N9ZTS W0KAN	260 K6JAD N6HC W0PR	
293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	283 K1ST W8OP WA0FQK WB0CQO	275 K1MAA K2NJ N4GG W0FK W8PI WA4NVM	267 K8DP KG6EG KX9N N2AMC N7UVH N8EHW W4FSO W5WP W9DRB	259 AK0MR KD4ADC KG6I KN5O N1RR NS7K NY1E VE6BMX	251 AD5JK K1NJ K3NK KG7NV NN4SS
292 KJ6P W1SSN	282 AA0ZP DK8NE K5TA N0GZ N8JCM W4WM	274 KB1DMX	266 K1OA K1WVX TG9AJR WB8EJN	258 K1BD K2HAT NA2NY WB7ECS	250 AA9LC K0CCM N8LRG NW6R
291 KS4S W1WHL		273 K2BLA KM4H KV1J WB0OQV			249 CT1IUA K8AO KQ5U N1GC
290 W3HDH WA8EFK	281 K4OY NL7CO W2YE		265 N5KS	257 K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/0	248 K1ZZ W6VFA
289 K4MM K9FA N5BCA NQ7G W4LTJ	280 JG1TSG N0KV NM5Z	272 K0PG XE1AO	264 AC8L K4JAF N0TK N9JR NF1O		247 W1FKF W3TEF
288 AA4LR HC2FG K1NU N6AR W1DU W4HLR	279 AA8MA KF9UG N3JPU W0RH W0VHF (EL87) XE1FAS	271 K4NNX K7NII KB7FUV W3HHN	263 AK4PR K3VAT K4XR K9AAA W7CT WB7QBS	256 K3WA N8ZJN	246 K0DAS KK8X N5TIT W4FRA WI7P
287 JE1BMJ N8CGY	278 AA9D AJ4W K3JT N0LNO	270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B	262 AE5FM K3CWH KL7HBK N4ST	255 K8MVZ KG4JPL W0NOZ WA8KNE	245 N1IA N3XF VA3CW W3SW WA8ZID

244 AA9RR K8DV KD8JSP N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	236 K0SU K4NK KL0S MD0CCE N3FTI N9ATD W5AJX W9OO	229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX	222 K0YY K2TV K3AJ KA1LMR KD4K W8GJ WA2BOT	N6KW NA5C	206 AB0CT AK4Y K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J
243 JA1QJI K3TC W4EJ YV1DIG	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI	213 K3DFL KI6X W0NBC W8RD	205 AF4OD K8SD KE4HOA N5ITO N9ATF W8QID
242 K3WW KA3TCC WA8MCD	234 CT1EEB KE6FCT	227 JA1UAV K8ZT K9TF KS9A W4KXY	220 HC1BI K7BTW	212 AB5C KF7NN N2OA N5PA	204 IT9IPQ W5LUA
241 N6NU W5LO	233 K1AFC N3AIU (DM45) N9NJS VE7VZ W3DF W8PAT XE1L	226 AF5WN N7CNH N8UR NM5S W0VX WQ6Q	219 AI9L K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)	K9FOH NE8S VE3SMA W5HMK	203 K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM W9GFB W9VOB
240 AB5GU KG5EIU K10HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	232 AE4WG K5FO N9NJY VE6TA (DO33) W0PPA	225 AC9O K9QJ KX9X (EN50) N2WSY N4SV VE3MSC W8AKS WN6W	218 K1XH K4IJQ K8YC KB8KVJ NI3K	210 K3MSB K9YC KL7NO N6UK PV8AZ WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W
239 F4BKV KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	231 K4MIJ K6HEW KF6GYM VA2CY W9XT	224 JM1SZY JP1LRT K9MQ WA4YA XE1YY	217 KB1HY ND4V W4DEE	209 AA4IB N1TQ W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V KR0I NN0K WA1MKE WA9ASZ
238 AA3GM KV7N	230 JM1IGJ K1ZE	223 GD0TEP K7UA NJ7A	216 K7RB N0IS NE1F W5RWF	208 AI2N CO8DM KD5HIO PV8ABC	200 4A2MAX N5AO N9AG
237 K3FRK K3KO K4QE	230 KO4MM VA3XJ WB0WAO/8		215 AL7OC K2SX KI5FJ N2YU	207 K3HPA N1BCL N8NJA	

VA3VU	N2NB	KN7K	N6PEQ	KC6ZWT	W8WEJ
W1AW	N3CAL	N0XLR	N6VH	KG7P	
	N3NR	N6ZE	WA5RR	KU0A	167
199	N4LXB			N1MGO	K4MQG
JA8ISU	N4TV	185	179	NA2NY (ex-NA1V)	KB1YNT
K4GHS	W6MTR	AD6W	K1EP	NA6O	KE5EP
N3KFB	W8FN	KD5BQT	KU4WD	W3SO	LU4FW
NJ8J		KU4UC	N0LIE	WA2PNI	N0NHW
W4OEP	191	NA2R	N0MMA		NO0T
WB0YEA	JR3REX	PY5CC	NH7RO	173	TG9ADQ
	K0ITC	W3OU	VA3DPB	K2ZZ	W1BAT
	K9CS	W5BPT	W8LHP	K5YPV	
198	KK6OH		WA4QMQ	KE4SCY	166
AC8TO	N9AMW	184			KC2GHT
N0UK	WA2BKN	AF5Q	178	172	N5VU
N7EPD	WA5CAM	K0DEW	4O3A	AB9KZ	NC4RY
NX0I	WD4JHD	KR4M	JR2HCB	K5ZED	VA3WEB
WA7KYM		N1IBM	KA2AYR	KI4PKW	WB4KXS
		N4BG	KB0EO	KJ6HI	
197	190		KB1RZA	VE2PN	165
K3EGE	K2WJ		KG5RJ	W4ABC	K4DXT
N4BAF	K5ER	183	KK8MM		KD5HPT
W3TW	KC2DLD	K5RQ	N1ZUK	171	N1JFU
W5CTV	N9UA	N0FJP	NQ2O	AA4PB	W0RIC
W9TD	W1ATV	N0UBL	VE3NRT	HP2AT	
	W2OO	W2UDT	W0ZY	KC5GSK	164
196			W1MAD	KC5YCH	K2SD
K0AIZ	189	182	WY7FD	KI4TZ	K5VWW
K0NR	KC0MEA	AJ6T		NS3L	KD0UHN
N5DUW	W3SZ	DF3CB	177	W1PX	KF9US
W2AMR	WA5VKS	FP/KV1J	AG4ZE	WA2KBZ	W4CSW
XE2ED		K5GMX	K2QQ		WK7G
XE2W	188	K8WK	KI4BWW	170	
	AD7KI	W2CCC	SM7FJE	K5DB	163
195	KD4HLG	XE1CL	W5ZG	K9TVG	K2JF
AA4W	W4AZR		WA8UEG	N4GBK	K2YSY
JA7MSQ	W6AER	181		N8CN	KK0DX
K6VDP	WA7VHF	AB9FN	176	NA2U	N5XZ
KC0VDY	WU9Q	K4CMS	AD5ZA	W4IHI	
KG6WIK	WX9M	K5HDE	K0DI	W4JKC	162
		KB8YKR	KX9X	WK3V	AF4GK
194	187	N3XJX	N5QGH		K0QB
K2MRK	JF8QNF	N4DTF	NP4BM	169	KA1R
N3FA	K3EA	NY0A	W5AFD	K6XC	KD4TDI
N9NFT	KD3HN	W2ZDP	WA5IPS	KD5OMJ	W9JJB
WF1H	KQ0J	W4RBO	WW2R	N2BEG	W9VS
WK8A	N1SV	W9BS		N5XES	WA1Z
		WJ1B	175	N7PHY	
193	186		PV8BR	VE3HHT	161
K7PT	DJ5FI	180		W8KNO	K4EA
K9AB	K6ZZ	K0OST	174		KB3CWQ
	K8PT	K4LYN	K3MD	168	N2YBB
192	K9SG	KC1MMC	K6WRL	KG5ZMQ	V44KAI
N1LF	KN4PPD	N1RK			

VE3LC	N1OFZ	WA0VPJ	N9FIV	136	K5VG
W4HOG	N2ADV	WA3YGQ	W4FS	K0XXX	KW4G
	N6DHZ		W4POT	K4SX	N4PPH
160	W3DQS	146	W6ZI	KC5LK	NE1I
K5IQ	W5FI	K2GW	WB9WHQ	KC9AXZ	VE3TM
WA3DRC	W9ILY	K8YTO	WR7AY	KJ5RM	WN6K
	WB5ZAM	KB0YH		KV1E	
159		KB5ZEA	140	NO1R	131
K4MZ	152	KC2TN	AC5DK	OE6IMD	K3NAT
NS7B	N1NUM	KM5TY	CO2WF	W2JCN	KG9R
W1EME	N2WM	N4HID	CT1BWU	W4AVV	N2CJ
W4TTO	NU1T	VA2RC	JA1AFR	W7UV	
WB8NUT	UT7QF	VE1VOX	K1UO	XE2JS	130
	W6IA		K7SAM		AB0X
158	WO4G	145	KC0MEZ	135	AK8CW
K8CR		KD7YZ	KC8TMU	CU3EQ	K0GUR
KI0D	151	V31MD	KJ4KVC	K4MWB	K4JKB
N2CG	KO0Z	VA3TTX	N1EN	K8ZIZ	KC4NX
	W1ZT	WA4JA	N3VOP	LY3W	KE8RJU
157	W2DXE		NJ0U	N4DB	NG9R
K4FX		144	VE3KY	N8XE	PV8AJ
KB8GC	150	K0TLG	W4TUN	W6BXQ	VE1DX
WA7NB	N9LAH	K5TDW	W6DQ	WB8BZK	VE2TZT
	NE6I	K6JRA	WA4KXY	WW2DX	W0PHX
156	VE3OAT	K8MN		XE1H	W2LES
K2KJ	W7APM	K8WU	139		W3FEY
N3RN		KA8SYV	IZ8FFA	134	WA2SEI
N9KO	149	N9DI	K1DT	AB1NS	WB4YDL
VE7VDX	AB6CF	W5MPC	KC7JPC	AB4GE	WW5W
	K4SAN	WO7GI	KU0G	BA4SI	
155	KK9H		N3FX	C6ABB	129
AE4M	WB4VHF	143	NA2AA	GM4UYE	8P6ET
K3TD		K0KVR	W2PD	HK3W	JF4VZT
K6XN	148	K6JBH	W4OV	KE5FXE	K0KD
N7AU	AC0DQ	K9QFR	WA5TKU	N3AIU (DN70)	K5QWO
N9OBE	AG0A	KB8RJS	WB2JIL	N8GOU	KC8KSK
NY4I	G0OIL	N8URE (FM19)	WY0V	W4TKI	KF4NEF
TG9ANF	K0RU	NA1VT		WA3WZR	KM5LY
VA3NQ	K7IU	W0HNM	138		KM5SC
WV8DX	KB2YSI	W0UHL	AC0XY	133	N9WBR
	N0TM	WB0MMC	Ai6O	KA5ETS	NZ6N
154	N5ZBI	WM5H	KD7WPJ	KC1RET	
AE4NT	W6VNQ (CM88)	142	KE0A	KE1VT	128
KB9VMW	WB6RAB	NA2X	KE3D	KM8V	KC7QAG
W3ZQN		NC4VA	KE8RO	N7T	KJ6SDF
	147	W5SWV	KQ4KX	W0RT	KN4DMN
153	AF6AV	WS4V	N3XH	W4GE	W0WT
AA4NC	IZ1LBG			WW7Q	W5ZO
AB4GG	K6PSP	141	137	XE2O	W8FR
JA1OVD	KC1BUF	K4AR	N1SZ		WB2WEO
K7AD	VE3CX	K9ATX	N5JGK	132	WQ7F
K7ZD	W4YCC	KT8TD	SM7AED	AB3CV	
KW0A	W5WOX			IC8TEM	

127	K9SM	WB0WAO	KU5B	W5DQ	HB9BZA
AA9RK	KB0GT	WD4OHD	N0VR	W6OAT	JA9IPF
JA3LZS	KB0STN		NO0B	W7IV	K5OPB
K3GYK	KG6DHQ	119	W0DHB	W9PN	N3MWQ
K7UV	VE3TG	AE5AU		WA8TWM	N5DD
K8AC	W1HS	K0AWU	115	WX3P	VE3SUB
K8OS	W3SE	K1ZN	K9MMS	XE1GK	VE7IG
KB3OZC	W4DFU	K2SQS	KE6TVM		VY2RU
KB9TLV	W4PRZ	K4MSG	KF0QS	111	W4AMP
KC0RQH	W5EWF	K7JIZ	KM5FA	N0SLT	W4CRN
N2ZA	W7MHW	KF7PCL	N7VGO	N8IK	W5AAJ
NO8D	W8BI	KP3V	VK9DX	PC3T	W8EH
VE2JWH	W8KHP	KT0P	WA3BZT	W8GBH	W9VNE
W1FLD	WA8WV	KW7N	WC7V	WZ8P	XE1R
WA6BIL	WB2RVX	N4UPX			
		W0QC	114	110	107
126	122	W4SW	AC8HU	K5KR	G4BWP
KJ7G	K7AED	W7QQ	K2RET	K7LD	JA3EGE
N0BDS	K7OGW	WI4T	K3RTU	KD5J	K5UIC
N7DGI	KA9JAC	WM9M	K9AAN	KI0F	KF7PG
WB4HUC	KB4UF		KC4GCK	KP4JRS	KI9A
YL2AO	KB5WFE	118	KG9Z	KQ4LA	KK4LUM
	KC5UGX	J68AS	NF8M	KX5U	N3TTT
125	N5HYV	K4AZV	VE1WOW	N5TIF	N9OI
AA6I	VE6PY	KA4LBD	VE3IRR	N5YM	NF0T
AA7DK	VE7JAC	KF6MXK	W2JLK	W5DM	US0KW
K3PU	WD0GTY	KI7BP	W4ALF	W7JET	W2ODH
KC5DRI		KT8X	W4UFO	W7UP	W2TTT
KD2NF	121	KW4BY	WO2C		WB4PPW
NT7C	AE1P	N1QDQ	WX4US	109	
W2AJM	K0MFI	N3JNX		AK6ZZ	106
W3UQH	K4HBI	N5EIL	113	IW1ARB	EA4DEI
WA6POZ	KB2WAL	NZ1I	AB4PM	K2DSW	K0MEI
WB4OMM	KB5MH	W2AC / WB2ABK	KAD5MD	K2JGL	K5BJW
WE1P	KE4JFS	W2AC/WB2ABK	K3DQB	K2OO	K7BWH
	NE0P/9	WB2KSK	KD4BPZ	K5DNL	K7JE
124	UR0MC		KD6VCD	K9GY	KB0TIJ
K0DLW	W8DN	117	KM5OL	KE6GLA	KC7ICM
K8VA	WB9TFH	AB5J	N3JDQ	KJ6CA	KE5JXC
KB0HH (EM06)		K4WS	N4YCI	KZ7N	KJ6MBW
KD5FTD	120	N4USG	N5YK	N8TMW	KK2DOG
KM1C	EA1YO	N5JEH*	W0BM	N9TTX	N0RQ
KT5MR	K2CYE	N5LPT	W8MSP	VE3AAQ	N1USB
N0SL	K4CGY	NU6V	W8VW	W0YJT	N2IPH
N9AZZ	KD0R	W6WE	WD0ENC	W1OP	N4CE
PV8AAS	KD4MZM	WA1TBV		W4ZRZ	N5FPW
W0PE	KD5BRF	XE2PXN	112	W5MPC/1	N5YHF
W1TAM	KE4SCY (FM06)		K2MLS	W7RJR	N8HM
W7YM	N3YPJ	116	K3GD	WB6YIY	N9XMU
W9CDL	VE1JC	IK7EOT	K5WTA	WB9W	VA3OKG
	VE3XK	JR1BAS	KA7T		VE3AJY
123	W4LVH	K4RGN	N5HMH	108	WB6VYH
AC7AF	WA6RAY	KI6QDH	W1TR	CF3VRQ	WQ9F

105	K4MVL	K5HX	W9DQ	K4OP	N9APK
AC4Q	K6USY	K7SYS	WA5TLP	K5HOB	N9IO
K4SJA	K8ZEE	KB4KBS	WV9E	KA1EKR	N9KY
K9MAL	KA1W	KC6AWX		KE4LGL	NK7C
KB3JGS	KB0FHP	KC8CSD	99	KG4YOU	NU0Y
KC0JYT	KB2SGX	KG8WB	AB0SD	KG7E	VA3FIN
KC4KK	KC9FFV	KG9IL	AB3TM	KJ2G	W3QT
KF4DGS	KF0AIJ	KL2R	K0YO	KK0CQ	W4CWA
KJ7TH	KF4DVG	KR4WM	K4KEW	KY0Q	W4DAS
N4NQY	KR4NO	KR7LD	K4WQ	N0JJQ	W4ID
N5SAN	N0YXE	N1IX	K4ZO	N1JHJ	W7DN
N7YY	N1JIF	N4AOE	K5VPQ	N3LRP	WA6OSX
NE9O	VE7DXG	N8VEA	K7DD	N5TEY	WA9LEY
PU4JOE	W0TF	N9DVS	K7PAP	N8AID	WB8RVK
VE3VRQ	W3LEO	ON9CMR/W0	K9ZZE	NO5X	WB8ZTV
W8MIL	W6IT	VA2LGQ	KA0ZEE	NO8R	WB9PNU
W9RVG	W6XU	W4LLP	KC2IEB	VA3VF	WE8L
WA4MYO		W5KBD	KC6X	W2KRP	
	102	W7ISG	KD4MWO	W6TE	96
104	AA9MY	WB8IMY	KD6RUH	WA2FGK	AD5OW
AB9YC	AB8JH	WD5IYT	KR4UA	WA3TLT	AE4TQ
AC5K	AD6KH		M5MYH	WB1GQR	AK4F
AC5RN	K0HAQ	100	N4FV	WB2YDS	K2CK
AC9QR	K3HW	AC0FT	N5OHL	WD0E	K2UF
IK4DRY	K5VR	AI2S	N7HRT	WH6LR	K2UNK
K5PPP	K9AM	AI9U	N7JPF	WT5H	K4EQH
KB9RNO	K9OHI	K2UA	N7TE	WV5Y	K5CRJ
KC2TR	KA3ZLS	K4UQC	N8GHZ		K8EMR
KD9GKL	KB8CR	K5GM	N8YV	97	K9OT
KJ7OG	KC6WFS	K5KV	N9MKC	AB8M	KA2NDX
KM6WXB	KC8DMN	K8IJ	NB5R	AJ9C	KA3HED
KO4LZ	KD8NYO	K9CC	NH6CJ	K0HB	KB5GI
N0STP	KE1AU	KB9ZLB	NI5W	K0JQZ	KB8PNS
N1LDY	KJ4M	KC2HLI	NS2P	K0QEI	KC0HBP
N2FBQ	KR5V	KC8CC	VE2HAY	K0SH	KD6PY
N3UPS	N1HOQ	KC9CMT	W2HOG	K0YQ	KI5TE
N7AGF	N5RMS	KD3SW	W2VU	K3HZO (FN20)	KM2O
NJ1H	VE7ZD	KE5CVM	W5JLC	K4GTR	KM5NU
VE2PIJ	W4RVZ	KF0Q	W6TJU	K4JQU	KS4V
W1TE	W5DPT	KG5X	WA1LAD	K8XF	KT5RR
W1ZE	W5OV	KJ5OA	WA5TRX	KA2BSK	N0WVU
W4KVS	W7UT	N3TBB	WB5NHX	KA7EII	N2LID
W6ZQ	W9NFL	N4NIA	WB7VVD	KC0YBM	N2VHZ
W9MDB	WA8EQP	N5RZK	WK5X	KD5CKP	N2XK
WB2VUO	WB5FDP	N5XTR	WW2R (EL09)	KF4KSN	N8PAQ
WB8BZK/VE3		N7EME		KM4NYI	N8YBY
WG3K	101	N8COP	98	KT5WB	NT2A
	AE7V	N8XS	AC2RL	N1SFE	NW5Q
103	K0RAR	VP2MRM	AD8Y	N1VMJ	NY2Z
AA5CK	K0SBV	W2CH	K0KC	N3UMA	VE2DCP
AB0YM	K0WJ	W4/KL7GLL	K0UD	N4BH	W1HMM
AB5SS	K2NUD	W4OZK	K3IXD	N5OTY	W4KK
K2OY	K5DWI	W8BZY	K3QIA	N6MA	W4TMR

W7JHS	AD1DX	A18F	KB0PQP	N7CZ	AG2AA
W8DM	HK4SAN	K0IW	KC4JNW	N8DEZ	AG7NR
WA3EEC	K0ARM	K1PTF	KD4QMY	NA7L	G4NBS
WB0M	K3BEE	K1ZK	KE4WBO	NR4J	JQ1TIV
WB5KJE	K3TUF	K2AK	KG4URP	NU4N	K4BMM
WP4LNY	K4JRK	K2MTS	KM3V	OE9KFV	K5CX
95	K4LDC	K4DAM	KR7X	W2SUB	K5JAZ
AE0G	K4YJ	K5TRI	N0RC	W4MLN	KA0MWA
AE5EO	K8GT	K6RM	N2SG	W5KDA	KF4TVL
K1PNQ	K9DOG	K7IP	N3GH	WB0NRV	KI0G
K4ED	K9SUL	K7TRK	N4VN	WB7X	KI4FW
K8KFJ	KA2F	KB0USF	N5QO	WC4V	KI4US
K8ME	KA9UVY	KC5TGT	N6FD	XE1GZU	KR4U
K8VD	KB7AK	KC5TT	N6RPM	90	N2GZ
KD7WH	KC0AUY	KC9TTR	N7DED	AA0LM	N5KAE
KD8DR	KC3AK	KC9UL	NS6E	AB4WL	N8YSZ
KD9ZR	KD4VRZ	KD0QG	UT5JAJ	AB9DU	N9RG
KF6XA	KE3WM	KE6AZX	W1PV	AF5BG	N9UDX
KI0SK	KF0LA	KE6UMW	W2ACY	DL1SMA	NE2U
KW9U	KG4NLZ	KE8RPJ	W2CVW	JH4JNG	VE3VCF
N1XK	KU4JZ	KI0J	W3ACO	K1HC	W0HRO
N2SLO	N0LNE	N2BX	W3HZU	K1KA	W1HY
N2WLS	N0LP	N2YTF	W4BP	K3CWF	W2JEK
N3WAV	N2SU	N3AO	W4LIA	K3UAL	W2OK
N4ET	N3JBH	N3ZBK	W6NS	K4AAP	W4ZMM
N5BLY	N3XBG	N4GOA	W8JV	K4FTP	W6VNO
N5ENU	N3YUG	N4YHC	WA3JKB	K4XZ	W9HT
N5KI	N5ZMP	N7EGY	WA4EEZ	K8EAB	WA7SDI
N9IV	N6HY	N7JI	WM3O	KA5TJI	WB3IAL
N9LJX	N6MXU	N7KSI	91	KB5FHK	WM6Y
VA3KS	N7NH	NA9D	AA0CW	KB7BSA	WQ5C
VA3PZ	N7UN	VA7QI	AD3Y	KK4DZP	WR5AY
VE3KZ	N8WWM	VE3WMD	CO2WZ	KW3DX	XE2NL
VE3SPW	N9DD	W0MHK	K1UR	N2ULL	XE3DX
W3UA	N9UNX	W2VTV	K4SPA	N4BRF	88
W4YZJ	VA3MA	W3ZGD	K6YK	N5BA	AA4QE
W5ADA	VE3RX	W4GPM	K7HPN	N9JJ	AE0DX
W5CBF	VE5MX	W5DMT	K8OI	N9MSG	AE4OF
W5RCQ	VE7AB	W7EIR	KB2YWU	VA3XOV	AF4MI
W7JWC	W2GR	W7TRX	KB3IAI	W9CPV	K1RS
W9SX	W3IPA	W9IFW	KB3NDS	W9CSY	K3TN
WA2ONK	W3TA	W9NED	KB7AZ	WA2BEV	K4XD
WA3I	W4LNG	W9WI	KC5POV	WA8OJR	K7CTV
WA4WR	W5ODD	WA5ICA	KC8LGL	WD9HCF	K7WV
WB2SIH	W5PUF	WB5CON	KG4QWC	WE7H	K7ZVY
WD8DOT	WA7LHZ	92	KI3O	WEST SEATTLE	89
WS4S	WA9BXB	K1EY	KI5BLU	WH6LE	WA
XE2AT	WT9U	K5GDX	KM7N	WT4C	KB2KIR
94	WV7S	K5TDA	KM9I	XE3/K5ENS	KC1GWW
AA4RP	93	K7FU	KQ6K	89	KC3MLC
AB4VT	AG2A	K7HKR	N3PPH	AB1TZ	KE7RTB
	AG6CV	K7UWR	N3WCM		KE8UM
					KI2D

KI4RFM	KT1R	K6UIP	N2COP	PV8ADI	61
KJ4KW	N2NF	K8SIA	N5YJZ		CU3AN
N1CEO	N3MVF	KB3HHA	N9RC	71	60
N2MKT	N8TFD	KB9LIE	VE3CFK	K0GW	KP4JFR
N2ZN	NZ3O	KK7BV	W2GW	K4GK	S55DX
N4CAG	VA3MDB	KU4WW	W2SKI	K5WPN	UR9QQ
N4GN	VA7LM	TG9AKH	WN0L	W2YR	VK4CZ
N4KIN	W8IW	W4HFZ		W3FGP	
N4UC	WA1PMA	W7USB	78	WC5M	
N5VBK	WA4USA	WD6T	K2QPN		58
NS3X	WB4GCS	WD9IOK	TG9AWS	70	HB9BIN
NT4TN	XE2AU	WI6Z	W4NE	GI4SJQ	HB9EFK
VE2VLJ		XE1MM		K4BNC	KC6NBI
W2BZR	85		77	KC0ZRX	SV8CS
W3YX	EI3IO	82	K1IFJ	W2LV	WA2MUA
W4DL	K1UU	AD4IE	M10AYR	W2QO	
W4RXR	K4LRP	K4JMX		W4GP	57
W7HDD	KB3MXK	KC5YKX	76		HL2EIZ
WA2BTR	KC0V	KG4KVZ	K0WYN	69	IK1ZOF
WA5MD	KE4DRF	N1SF	KI4CYB	K3WGR	N5LJL
WK3N	KK4AND	PU8TEP	KI7WXP	WD4LBR	
WV8O	N2RJ	W5DAS	N1GNB		56
XE1SOV	N4LS	W7YOZ	N2MH/4	68	EA5BY
	VE3GFN	W8GG		AA4S	KI5WA
87	VE7DAY	WA2ONG	75	EH7CD	LU8ADX
AC0A	W1WV	ZS6NK	G4RGK	K6CF	NI6T
AG4I	W3STU		K3PP	KW4OV	UX1UA
K4JC	W4IT	81	K8QM		
K5UZ	W4RA	AB4I	N5GH	67	55
KB1VUN	W6ST	IK8YTA	NP3YL	W7YED	G4FKA
KC8NAH	W7SIR	KE4DZU	NX7U		JL3MCM
KE6WOX	W8DQ	N6MM	W5UC	66	LA3MHA
KI6RRD	W9QY	N7NEV	WP4NEG	K6KLY	US5WE
N0ELA	WA4WKL	NI4Y	ZL3AAU	KK4YEL	WA2EMF
N2CJN	WD4LSS	W3MC			
NA5DX	WF4R	WA4ZXV	74	65	54
NE5S		WA8ZNC	AK8B	JA1XEC	AG4KI
NI5F	84	XE1EE	CX4AAJ	K5EJ	
NN7RM	CT3FT		KF2TI	N7UJJ	53
W8GOC	K4EZY	80	LU4FPZ	OK1MP	K0BBC
WB3IGR	KE6NDG	AC6BW	TI2CDA	W4CCS	PP1CZ
WB8JAY	N1KI	KE4PT	VE6SO		SP5QWB
WF4W	N2NWS	KR4Q	WC6DX	64	
XE1RBV	VE2WBK	KW1DX		JG2TSL	51
	W8PU	N2NS	73		CT1ETE
86	W8SGR	VY2HF	JF1IRW	63	N8OFS
AG1T		W5TTY	SV1RK	EA1DR	VE9FCP
K7FB	83	W6TCP	VP2MJD	KB0RFY	
KA9OKH	AA6E	W7AM	W4WT		50
KB7JJG	DL5XJ			62	N6DW
KI6HQT	K1LH	79	72	K4DXA	
KN4MMH	K4SQC	K4RW	AB1QB		48
KP4TB	K6JJ	KP4N	N4II		G8BQX

JA9KRO K5XI KI5KC N6DBF N8MR NP3IR YY4DNN	HB9RUZ JA9APS	26 HL2WA WB7QXU	17 G3LZQ PY2XAT W0JM	JA2KVB PY2DV PY2GM SP5XMU	5 DL5LH EA1AAA EA7ZY JE1LFX JI5USJ JJ1IDW KB8VAO EN91KT M1VFN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ
47 HB9RYZ	36 JH9DRL OH4UI	25 EA4/K1WE	16 N6VHF	10 DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW	
46 LU2DX	35 GI4OWA LU9DO	24 EI2JD F4BDG KS4YX LA6OP ON6AB PA7TWO	15 9K2BM EI2GLB HB9HIT HL4GAV JR3UIC LU5FF PY2RN UT3UA UX0DL WC2C	9 DL7BA EB1EWE EC7ZK G6BFP JA1MZL JA2FGL KB4YKC KD3UY	
45 JA6WJL K4TXJ	34 G4SEU LA2QM	23 GM4ILS HB9G JL1UXH K4SLC	14 HB9FMN JA2XCR KB8DVT PV8RR PY2OC W9TTY		
44 WO3T XE2YWH/1	33 HL2IFR UR5WA W8GC WB4SON WB8TGY (EN72)	KP4EIT W8MK			4 CT7/RC2A EK/RX3DPK F1DFR IV3GOW JG1JPE JH7IPR JK6DXD S51NM UT5EL XE1SAX
43 8P6SH CT1EEN K4ZIN SV2AEL	32 N3LRH NP4TT SM6WET YL2JZ	22 9H1SP HB9ALO IZ3ENH		8 DK2LO JA1CPU JE3PCP N8RO OH8LXT	
42 TF3JB	31 HA5PT	21 EA1YN	13 K4WY PY2MC W4PWF		
41 K0BBC/R	30 E72X JA1WSK JL3LSF JO7WXN WA6DNR	20 CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA	12 EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB	7 G8APB HB9GWJ IZ0INX JA2NDQ JI2UDK JJ2NWI LA3DV N5ORT NJ4Y ZS4TX	3 DF1ZN DJ5AV DL2KQ EA1AR EA4D F1RAF G3LHJ GM4CFS HA9PP HL2ZN IK0WRB IK3ITB IK8EPC IK8GYS IW3GJF JH7IMX JM1GHT JN1BPM JR6IQI PY5IP
40 E75AA JF1LMB JR0QFA N6PAZ WB8TGY	29 JE1VTZ OE4VIE SP5APW	19 EA6BB JI4WAO PY2HN SP8NR	11 A65BR DL1TS DL2OE EA4DAU EA4ZK G4CTY IZ4GWE	6 CT2FEY DH0GSU DL1TRK EA8MT EI2JC JA7NGE PY2VA	
39 AA5PK	28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V KJ4EU OE3SGU VE6TA (DO31) W0HBH			
38 DD3KF DU1EV IZ8EDJ K8YSE VK5PJ	27 IZ4DPV KC9ELU WP4NIX				
37 BA7NQ					

SA7CJO G7SQS
SV1VN G8TTI
W1CBY IK5BSC
WD9EWK (DM43)W0AFS
YB1TJ IZ0BTV
YL2CA IZ3DBA
YL2MU IZ5FSA

2

5B4ALJ JA1GZK
7J1ADJ JA7VXB
9A2GA JH8XVT
9K2NO JJ1PFC
BV6CC JL2ULM
CO6CBF JN3ONX
DF8FT KC3KJQ
DK1CO KH6WI
EH4BPJ KP4DER
ES8JX MM0INH
F5TMJ OK1UU
G0THY ON6NA
G4DDL OZ1IKY
G8GNI PU5SVE
GI4ONL SM3GBA
IK1IYU SM6LPG
IK2GOQ SQ5NRY
IZ8XQC UN8G
JA6AVT UR5EDX
JA6SZV VR2VGM
JA9FAI WB7VUF
JP1HDK YO8WW

K7LY
KEN IN NEBRASKA
LA2CQ
OH3KAV
SV1XV
SV3FUO
YB2DX
YL2KF

1

3A2MW
9A2EY
BD4UJ
CT1AHU
DH8BQA
DJ3ZF
DL2DCX
DL4ZAB
EA3WD
EA4GQS
G4VSS
G6MXL