

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 (20 Jan 2025). 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	WD5COV	476	463	447
AA0MZ	W4UDH		KC7QY	VE3EK	K4HB
AA5AM	W5ADD	484	KC7V		KS7S
AA5C	W5AFY	K0SIX		462	N4SC
AA7A	W5AJ	W5VY	474	K6ZH	W5EME
A15I	W5FF	W5ZN	N4WW	N6ORB	
K0GU	W5KI		W6XK	WE9R	446
K1TOL	W5OZI	483			K6EID
K4PI	W7GJ	AC0RA	473	461	N4QS
K4XO	W7JW	K0TPP	NQ7R	NA9RB	NV4B
K5RK	W7KNT	K1USA	WB0O		
K5UR	W7MEM	W0VTT		458	445
K5WE	W9FF		472	K4MY	KU7Z
K7CW	W9JN	482	A11K	KG5THG	N5NA
K7ULS	W9RM	AD6D	KB7ME	N9BCA	N8OC
K8SIX	W9XX	KX4R	N7ZO	WB9CIF	
K9CT	WD5K		WD8JJA		444
KA9CFD	WQ5S	481		456	KB8VAO
KA9FOX	WS9V	W9VHF	471	N4JQQ	N7BAV
KD5M			AF5CC		NI0G
KG5CCI	487	480	N5KO	455	W4DR
KM0A	K7MAC	K5GZR		K4SO	
KO9A	K7TM	N7KA	469		443
KR7O	K9YY	WB0ULX	K7BG	453	AB4IQ
KV5W	N0AKC	XE2OR	KM0T	K4YMQ	K4XP
N0LL	N7CW		N4TB		N4MM
N0LWF	N7IR	479		452	N9PGG
N0PB	N7NW	W5WVO	467	N5BO	NE1B
N0TB	N9ISN	WA7HQD	AD1C	W3UR	
N1AV	NA6L		N5EKO		441
N3SL		478	WO7R	450	K8TB
N3XX	486	AE5B		AJ4F	
N5DG	K1TO	N5WS	466	N9BX	440
N5OMG	KY7M		KA0JGH		AG9S
N6JV	N0KE	477	KB6NAN	449	KD3CQ
N9LB		K0BJ	ND4X	KF6HI	W2IRT
N9UM	485	NC6K	WX7M	W8TN	W3LPL
ND0B	K5ND	W9RN			W5THT
W0FY	K9MU	XE2CQ	464	448	
W0JW	N0POH		KB9OWD	W5XC	439
W0LGQ	W3IP			XE2K	WB8ZBT

438 KB9DAK	426 K4ZOT K8ZR	411 K9MK N9EAT	396 KB8U	K1GG K8ROK	N3MK NT0V
437 NY0V WB7CJO	N5OK XE2X	410 KE7SW K18G N4HN	395 AA5XE K0AZ K5WBM KF7CQ	382 K5PI K6VHF VE3YXO	369 KF8UN N2DPF
436 K1HTV K3SX K7PI W3TC WB8ART	425 K6ML	408 W7BA	393 K7XC KK4MA NJ6D W4TV	381 W3VZ	368 KB0V W5RCI W6GMT
435 K9KLD KF6A	424 N4UFP N9AKR W3EP	407 W4AS W5CIA	392 AF4HX N4UFO VE4EAR W5OMF	380 K7MCX NE6I NM5U WA5LFD	367 KC4HW KR4BD NT9E W7YAAQ
434 K1SIX	423 AJ4A NA6MG	406 AK3E K6FG VE2XK 6M FN07	391 N1EVK W4AVY	379 N8WNA	366 AA4ZZ K17JA N4LR W7FI
433 N9FN W9WO	422 VE6WQ	405 AA4SC K5CKS	389 NE9U	378 WR7X	365 K4JJW KG7CW KZ2I WB4EVH
432 K6G XO N6KK W5TRL	421 K8ROX WB8BPU	403 KE8KMX NH6T/W4	388 K0IP W4WRL	376 AA5JF K8GI K8V FV N2WK	364 AB5EB JA7QVI N6QQ
431 K0TLM N2QT	420 VE3LYC	402 K3FM	387 AA1ON K2TER KV4T N4CH	375 K6QG WB4OQX	363 W4NH
430 K1TEO KF8MY N5TJ	419 K7NN W0GN W5AL	401 K4CKS	386 N7IJ NN4R W5TFW W7AH WE4S	374 AB1OC N6GP N7DB	362 WA5OLT
429 WA5JCI	416 K4RWP K7ND	400 W0JRP W0RH W3UUM	385 KF0M NK1K VE6MB W4WTA	373 K4SSO	361 K7XB K8BL K9NR N7MB N8KOL NG4C
428 K9APW KP4AJ N2NL N4TL	415 K5OMC K7AWB KO4MA N5SYV W0GJ WB5JID	399 WA9DU	384 AB4SF	372 W5MO	360 AA4FF K6UM (CN85) N3OC
427 N4QWZ W3LL WA1EAZ	414 AH0U K7KQA	398 K7SMA N8IEZ W1NG W5JAY		371 WA6BYA	
	413 WA9LFO	397 K5RT			

359 NI0P	344 K6FW KB0PE KG8P W1OW	334 K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	326 K2ZD K6LMN K6TDI KD5XB NG7M W7JLC WF7T	KA0ABA N1KDO W4UCK W9BWR	305 K6UM (CM88) KF2T KT1J WA9M
358 K5RLA				315 K5VH KG6AY NY2NY	304 K6IPF W4FC WA0GUD
357 K4LVV W5PR	343 AB4EJ K5EK N3RC	333 KM4HI KN4NN N0IGZ W3GQ	325 WA2AEY	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN
356 NY1V	341 KD7DCR NX7U WA7YAZ	332 AA7UN N4JDB N7KDT VA3IKE W9GM	324 K9SH KU4A N2BJ N8HRZ VE3TMG	313 K0TC N6NR NF4A W4GLV W5RKN WA1NLG	302 KB2TGU W3TI
355 N2ZX			323 K10E N8II W4MAY W8KEN	312 AF6O KA2GOJ WB3LHD	301 N0HJZ N2ZZ VE1JBC W7IB W9OBG WB0TVY
354 K0DEQ	340 KE4TH N0AN	331 K8WDA KC0UDO N4MW N6KZ VE7BV	322 VA6SZ	311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S
353 AF2K K0CS K8EB	339 KE4BKL VA7FC W5VAS	330 KB8MBC NK0S	321 NC7B NS4C W9VA		
352 NZ3M W0KKK W1JR WA9PWP XE2ML	338 VE3SXE WA5KBH	329 AA1QD N2JJ W1DYJ W2OR W8WG W9DCT W9XA WX4G	320 K0VG N4DW	310 AA8SW NJ7G W9KVR WO4DX	
351 AA4FL K5DTC	337 K8ZES NU6S W9EWZ WA5RT WW0E		319 N7US W4ER	309 VE3XN	299 VE6WK W1LE W5SUM W8UV WB5GVY
350 AB9BH N6VI N8YO	336 AC9DX FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3DS WO9S	328 K6ME N5PT W2CNS	318 N3ALN W4HY	307 KE5K W3ATV W9RPM WB4KTF	
349 K8JH KA0BAD			317 N3PS W1SKU WA7PDC WO2T	306 K6RO WV9L	298 KD4WSC N1NK N4IQ
347 KT8O	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	327 K6EME KJ5RC N0YO W2JU	316 K3FN		
346 W8LMG					
345 W3XY XE2YWH					

297 DK8NE N8YQX N9LF	W4HLR	278 AA9D AJ4W K3JT N0LNO N8BJQ NN1N	W7JY WZ9B	KL7HBK N4ST ND4DX WA0KBZ	254 KF8QL N7QOZ VE3OTL WD5ITW
296 K6YUI KC7RW	287 JE1BMJ N8CGY		269 K1GJQ K2IE K3ZO KD5R N5EPA N5WD	261 AF2F K3TWK KB8UUZ N3EW	253 KG4ERR N2XQM N8LRG W3SW W9TA
295 KE4P N7NT NA5Z W2HRO	286 AG1A	277 AC7JM JR1LZK NS4T PV8DX		260 K6JAD N6HC W0PR	252 AB5A CT1EEB K1ACL NN4RR VE6NTT VE6SH
294 JG1TSG K6JSV	285 K5CZD K9UO N0LD WA4HFN	276 K2CS K5TWJ K7TAB KE8Y	268 K6OJ N9ZTS W0KAN	260 K6JAD N6HC W0PR	252 AB5A CT1EEB K1ACL NN4RR VE6NTT VE6SH
293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	284 AB0RX K0KP K4DET KX7L NJ2F (EL96) RETIRED	275 K1MAA K2NJ N4GG W0FK W8PI	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	283 K1ST W8OP WA0FQK WB0CQO	274 KB1DMX	266 K1OA K1WVX TG9AJR WB8EJN	258 K1BD K2HAT NA2NY WB7ECS	250 AA9LC NW6R
291 KS4S W1WHL	282 AA0ZP K5TA N0GZ N8JCM W4WM	273 K2BLA KM4H KV1J WB0OQV	265 N5KS	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HF1/0	249 CT1IUA K8AO KQ5U N1GC
290 W3HDH WA8EFK	281 K4OY NL7CO W2YE	272 K0PG XE1AO	264 AC8L K4JAF N0TK NF1O		248 K1ZZ W6VFA
289 K4MM K9FA N5BCA NQ7G W4LTJ	280 K2UU N0KV NM5Z	271 K4NNX K7NII KB7FUV N9JR W3HHN	263 AK4PR K3VAT K4XR K9AAA W7CT WB7QBS	256 K3WA N8ZJN	247 W1FKF W3TEF
288 AA4LR HC2FG K1NU N6AR W1DU	279 AA8MA KF9UG N3JPU W0VHF (EL87) WA4NVM XE1FAS	270 K4SPD KC9FQD N2LIV W4QK W5DNT	262 AE5FM K3CWH	255 JM1IGJ K8MVZ KG4JPL W0NOZ WA8KNE	246 JA1UAV K0DAS KK8X N5TIT W4FRA WI7P

245 N1IA N3XF VA3CW WA8ZID	KV7N	230 K1ZE KO4MM VA3XJ WB0WAO/8	223 K7UA NJ7A	215 AL7OC K2SX KI5FJ N2YU N6KW NA5C	KD5HIO PV8ABC
244 AA9RR K8DV KD8JSP N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	237 K3FRK K3KO K4QE	229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX	222 K0YY K2TV K3AJ KA1LMR KD4K W8GJ WA2BOT	214 KB9PJJ VE3SYK WA7AJ	207 K3HPA N1BCL N8NJA
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	206 AB0CT AK4Y K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J
242 K3WW KA3TCC WA8MCD	234 KE6FCT	227 K8ZT K9TF KS9A W4KXY W5LUA	220 HC1BI K7BTW N7XCZ	212 AB5C JF8QNF KF7NN N2OA N5PA	205 AF4OD K8SD KE4HOA N5ITO N9ATF W8QID
241 N6NU W5LO	233 K1AFC N3AIU (DM45) N9NJS VE7VZ W3DF W8PAT XE1L	226 AF5WN GD0TEP N7CNH N8UR NM5S W0VX WQ6Q XE1YY	219 K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)	211 K9FOH NE8S VE3SMA W2ZDP W5HNC W6AER	204 IT9IPQ
240 AB5GU KG5EIU KI0HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	232 AE4WG AI9L K5FO N9NJY VE6TA (DO33) W0PPA	225 AC9O K9QJ KX9X (EN50) N2WSY N4SV VE3MSC W8AKS WN6W	218 K1XH K4IJQ K8YC KB8KVJ NI3K	210 JR3REX K3MSB K9YC KL7NO N1TQ N6UK PV8AZ WQ9T	203 K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM W9GFB W9VOB
239 F4BKV KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	231 K4MIJ K6HEW KF6GYM VA2CY W9XT	224 JM1SZY K9MQ WA4YA	217 KB1HY ND4V W4DEE	209 AA4IB W5WGF WA4NFO XE2N	202 K1BZ K5GJR WC7X WF8Z WQ5W
238 AA3GM JP1LRT			216 K7RB N0IS NE1F W5RWF	208 AI2N CO8DM	201 AA7WB KC5FP KO9V KR0I NN0K

WA1MKE	WK8A	186	180	174	168
WA9ASZ		DJ5FI	K0OST	K3MD	KG5ZMQ
	193	K6ZZ	K4LYN	K6WRL	W8WEJ
200	K7PT	K8PT	KC1MMC	KC6ZWT	
4A2MAX	K9AB	K9SG	N1RK	KG7P	167
N5AO		KN4PPD	N6PEQ	KU0A	K4MQG
N9AG	192	KN7K	N6VH	N1MGO	KB1YNT
VA3VU	N1LF	N0XLR	WA5RR	NA2NY (ex-NA1V)	KB5EP
W1AW	N2NB	N6ZE		NA6O	LU4FW
	N3CAL		179	W3SO	N0NHW
199	N3NR	185	K1EP	WA2PNI	NO0T
JA8ISU	N4LXB	AD6W	KU4WD		TG9ADQ
K4GHS	N4TV	KD5BQT	N0LIE	173	W1BAT
N3KFB	W6MTR	KU4UC	N0MMA	K2ZZ	
NJ8J	W8FN	NA2R	NH7RO	K5YPV	166
W4OEP		PY5CC	VA3DPB	KE4SCY	JA1OVD
WB0YEA	191	W3OU	W8LHP		KC2GHT
	K0ITC	W5BPT	WA4QMQ	172	N5VU
198	K9CS			AB9KZ	NC4RY
AC8TO	KK6OH	184	178	K5ZED	VA3WEB
N0UK	N9AMW	AF5Q	4O3A	KI4PKW	WB4KXS
N7EPD	WA2BKN	K0DEW	KA2AYR	KJ6HI	
NX0I	WA5CAM	KR4M	KB0EO	VE2PN	165
WA7KYM	WD4JHD	N1IBM	KB1RZA	W4ABC	K4DXT
		N4BG	KG5RJ		KD5HPT
197	190	183	KK8MM	171	N1JFU
K3EGE	K2WJ	K5RQ	N1ZUK	AA4PB	W0RIC
N4BAF	K5ER	N0FJP	NQ2O	HP2AT	
W3TWW	KC2DLD	N0UBL	VE3NRT	KC5GSK	164
W5CTV	N5SMQ	W2UDT	W0ZY	KC5YCH	K2SD
W9TD	N9UA		W1MAD	KI4TZ	K5VWW
	W1ATV	182	WY7FD	NS3L	KD0UHN
196	W2OO	AJ6T	177	W1PX	KF9US
JR2HCB		DF3CB	AG4ZE	WA2KBZ	W4CSW
K0AIZ	189	FP/KV1J	K2QQ		WK7G
K0NR	KC0MEA	K5GMX	KI4BWW	170	
N5DUW	W3SZ	K8WK	SM7FJE	K5DB	163
W2AMR	WA5VKS	KK0DX	W5ZG	K9TVG	K2JF
XE2ED		W2CCC	WA8UEG	N4GBK	K2YSY
XE2W	188	XE1CL		N8CN	N5XZ
	AD7KI		176	NA2U	
195	KD4HLG	181	AD5ZA	W4IHI	162
AA4W	W4AZR	AB9FN	K0DI	W4JKC	AF4GK
JA7MSQ	WA7VHF	K4CMS	KX9X	WK3V	K0QB
K6VDP	WU9Q	K5HDE	N5QGH		KA1R
KC0VDY	WX9M	KB8YKR	NP4BM	169	KD4TDI
KG6WIK		N3XJX	W5AFD	K6XC	W9JJB
	187	N4DTF	WA5IPS	KD5OMJ	W9VS
194	K3EA	NY0A	WW2R	N2BEG	WA1Z
K2MRK	KD3HN	W4RBO		N5XES	
N3FA	KQ0J	W9BS	175	N7PHY	
N9NFT	N1SV	WJ1B	PV8BR	VE3HHT	161
WF1H				W8KNO	K4EA
					KB3CWQ

N2YBB	KW0A	WA0VPJ	K9ATX	SM7AED	132
V44KAI	N1OFZ	WA3YGQ	KT8TD		AB3CV
VE3LC	N2ADV		N9FIV	136	IC8TEM
W4HOG	N6DHZ	146	W4FS	K0XXX	K5VG
160	W3DQS	K2GW	W4POT	K4SX	KW4G
K5IQ	W5FI	K8YTO	W6ZI	KC5LK	N4PPH
WA3DRC	W9ILY	KB0YH	WB9WHQ	KC9AXZ	NE1I
	WB5ZAM	KB5ZEA	WR7AY	KJ5RM	VE3TM
159	152	KC2TN		KV1E	WN6K
K4MZ	N1NUM	KM5TY	140	NO1R	
NS7B	N2WM	N4HID	AC5DK	OE6IMD	131
W1EME	NU1T	VA2RC	CO2WF	W2JCN	K3NAT
W4TTO	UT7QF	VE1VOX	CT1BWU	W4AVV	KG9R
WB8NUT	W6IA	W4HFZ	JA1AFR	W7UV	N2CJ
	WO4G	145	K1UO	XE2JS	
158	151	KD7YZ	K7SAM		130
K8CR	KO0Z	V31MD	KC0MEZ	135	AB0X
KI0D	W1ZT	VA3TTX	KC8TMU	CU3EQ	AK8CW
N2CG	W2DXE	WA4JA	KJ4KVC	K4MWB	JA6RJK
			N1EN	K8ZIZ	K0GUR
157	150	144	N3VOP	LY3W	K4JKB
K4FX	N9LAH	K0TLG	NJ0U	N4DB	KC4NX
KB8GC	VE3OAT	K5TDW	VE3KY	N8XE	KE8RJU
WA7NB	W7APM	K6JRA	W4TUN	W6BXQ	NG9R
		K8MN	W6DQ	WB8BZK	PV8AJ
156	149	K8WU	WA4KXY	WW2DX	VE1DX
K2KJ	AB6CF	KA8SYV		XE1H	VE2TZT
N3RN	K4SAN	N9DI	139		W0PHX
N9KO	KK9H	W5MPC	IZ8FFA	134	W2LES
VE7VDX	WB4VHF	WO7GI	K1DT	AB1NS	W3FEY
			KC7JPC	AB4GE	WA2SEI
155	148	143	KU0G	BA4SI	WB4YDL
AE4M	AC0DQ	K0KVR	N3FX	C6ABB	WW5W
K3TD	AG0A	K6JBH	NA2AA	GM4UYE	
K6XN	G0OIL	K9QFR	W2PD	HK3W	129
N7AU	K0RU	KB8RJS	W4OV	KE5FXE	8P6ET
N9OBE	K7IU	N8URE (FM19)	WA5TKU	N3AIU (DN70)	JF4VZT
NY4I	KB2YSI	NA1VT	WB2JIL	N8GOU	K0KD
TG9ANF	N0TM	W0HNM	WY0V	W4TKI	K5QWO
VA3NQ	N5ZBI	W0UHL		WA3WZR	KC8KSK
WV8DX	W6VNQ (CM88)	WB0MMC	138		KF4NEF
	WB6RAB	WM5H	AC0XY	133	KM5LY
154		142	AI6O	KA5ETS	KM5SC
AE4NT	147	N5RMS	KD7WPJ	KC1RET	N9WBR
KB9VMW	AF6AV	NA2X	KE0A	KE1VT	NZ6N
W3ZQN	IZ1LBG	NC4VA	KE3D	KM8V	
	K6PSP	W5SWV	KE8RO	N7T	128
153	KC1BUF	WS4V	KQ4KX	W0RT	KC7QAG
AA4NC	VE3CX		N3XH	W4GE	KJ6SDF
AB4GG	W4YCC	141		WW7Q	KN4DMN
K7AD	W5WOX	K4AR	137	XE2O	W0WT
K7ZD			N1SZ		W5ZO
			N5JGK		W8FR

WB2WEO WQ7F	W9CDL	VE3XK W4LVH WA6RAY WB0WAO WD4OHD	JR1BAS K4RGN KI6QDH KU5B N0VR NO0B W0DHB	K5WTA KA7T N5HMH W1TR W5DM W5DQ W6OAT W7IV W9PN WA8TWM WX3P XE1GK	WB6YIY WB9W
127 AA9RK JA3LZS K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N2ZA NO8D VE2JWH W1FLD WA6BIL	123 AC7AF K9SM KB0GT KB0STN KG6DHQ VE3TG W1HS W3SE W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX	119 AE5AU K0AWU K1ZN K2SQS K4MSG K7JIZ KF7PCL KP3V KT0P KW7N N4UPX W0QC W4SW W7QQ WI4T WM9M	115 K9MMS KE6TVM KF0QS KF9AF KM5FA N7VGO VK9DX WA3BZT WC7V	111 N0SLT N8IK PC3T W8GBH WZ8P	108 CF3VRQ HB9BZA JA9IPF K5OPB N3MWW N5DD VE3SUB VE7IG VY2RU W4AMP W4CRN W5AAJ W8EH W9VNE XE1R
126 KJ7G N0BDS N7DGI WB4HUC YL2AO	122 K7AED K7OGW KA9JAC KB4UF KB5WFE KC5UGX N5HYV VE6PY VE7JAC WD0GTY	118 J68AS K4AZV KA4LBD KF6MXK KI7BP KT8X KW4BY N1QDQ N3JNX N5EIL NZ1I	114 AC8HU K2RET K3RTU K9AAN KC4GCK KG9Z NF8M VE1WOW VE3IRR W2JLK W4ALF W4UFO WO2C WX4US	110 K5KR K7LD KD5J KI0F KP4JRS KQ4LA KX5U N5TIF N5YM W7JET W7UP	107 JA3EGE K5UIC KF7PG KI9A KK4LUM N3TTT N9OI NF0T US0KW W2ODH W2TTT WB4PPW
125 AA6I AA7DK K3PU KC5DRI KD2NF NT7C W2AJM W3UQH W4DFU WA6POZ WB4OMM WE1P	121 AE1P K0MFI K4HBI KB2WAL KB5MH KE4JFS NE0P/9 UR0MC W8DN WB9TFH	117 AB5J K4WS N4USG N5JEH* N5LPT NU6V W6WE WA1TBV XE2PXN	113 W2AC / WB2ABK WB2AC/WB2ABK WB2KSK AB4PM AD5MD K3DQB KD4BPZ KD6VCD KM5OL N3JDQ N4YCI N5YK W0BM W8MSP W8VW WD0ENC	109 AK6ZZ G4BWP IW1ARB K2DSW K2JGL K2OO K5DNL K9GY KE6GLA KJ6CA KZ7N N8TMW N9TTX VE3AAQ W0YJT W1OP W4ZRZ W5MPC/1 W7RJR	106 EA4DEI K0MEI K5BJW K7BWH K7JE KB0TIJ KC7ICM KE5JXC KJ6MBW KK2DOG N0RQ N1USB N2IPH N4CE N5FPW N5YHF N8HM N9XMU
124 K0DLW K8VA KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N9AZZ PV8AAS W0PE W1TAM W7YM	120 EA1YO K2CYE K4CGY KD0R KD4MZM KD5BRF KE4SCY (FM06) N3YPJ VE1JC	116 IK7EOT			

VA3OKG	103	K0SBV	W2CH	K0KC	N3UMA
VE3AJY	AA5CK	K0WJ	W4/KL7GLL	K0UD	N4BH
WB6VYH	AB0YM	K2NUD	W4OZK	K3IXD	N5OTY
WQ9F	AB5SS	K5DWI	W8BZY	K3QIA	N6MA
	K2OY	K5HX	W9DQ	K4OP	N9APK
105	K4MVL	K7SYS	WA5TLP	K5HOB	N9IO
AC4Q	K6USY	KB4KBS	WV9E	KA1EKR	N9KY
K4SJA	K8ZEE	KC6AWX		KE4LGL	NK7C
K9MAL	KA1W	KC8CSD	99	KG4YOU	NU0Y
KB3JGS	KB0FHP	KG8WB	AB0SD	KG7E	VA3FIN
KC0JYT	KB2SGX	KG9IL	AB3TM	KJ2G	W3QT
KC4KK	KC9FFV	KL2R	K0YO	KK0CQ	W4CWA
KF4DGS	KF0AIJ	KR4WM	K4KEW	KY0Q	W4DAS
KJ7TH	KF4DVG	KR7LD	K4WQ	N0JJQ	W4ID
N4NQY	KR4NO	N1IX	K4ZO	N1JHJ	W7DN
N5SAN	N0YXE	N4AOE	K5VPQ	N3LRP	WA6OSX
N7YY	N1JIF	N8VEA	K7DD	N5TEY	WA9LEY
NE9O	VE7DXG	N9DVS	K7PAP	N8AID	WB8RVK
PU4JOE	W0TF	ON9CMR/W0	K9ZZE	NO5X	WB8ZTV
VE3VRQ	W3LEO	VA2LGQ	KA0ZEE	NO8R	WB9PNU
W8MIL	W6IT	W4LLP	KC2IEB	VA3VF	WE8L
W9RVG	W6XU	W5KBD	KC6X	W2KRP	
WA4MYO		W7ISG	KD4MWO	W6TE	96
	102	WB8IMY	KD6RUH	WA2FGK	AD5OW
	AA9MY	WD5IYT	KR4UA	WA3TLT	AE4TQ
104	AB8JH		M5MYH	WB1GQR	AK4F
AB9YC	AD6KH	100	N4FV	WB2YDS	K2CK
AC5K	K0HAQ	AC0FT	N5OHL	WD0E	K2UF
AC5RN	K3HW	A12S	N7HRT	WH6LR	K2UNK
AC9QR	K5VR	A19U	N7JPF	WT5H	K4EQH
IK4DRY	K9AM	K2UA	N7TE	WV5Y	K5CRJ
K5PPP	K9OHI	K4UQC	N8GHZ		K8EMR
KB9RNO	KA3ZLS	K5GM	N8YV	97	K9OT
KC2TR	KB8CR	K5KV	N9MKC	AB8M	KA2NDX
KD9GKL	KC6WFS	K8IJ	NB5R	AJ9C	KA3HED
KJ7OG	KC8DMN	K9CC	NH6CJ	K0HB	KB5GI
KM6WXB	KD8NYO	KB9ZLB	NI5W	K0JQZ	KB8PNS
KO4LZ	KE1AU	KC2HLI	NS2P	K0QEI	KC0HBP
N0STP	KJ4M	KC8CC	VE2HAY	K0SH	KD6PY
N1LDY	KR5V	KC9CMT	W2HOG	K0YQ	KI5TE
N2FBQ	N1HOQ	KD3SW	W2VU	K3HZO (FN20)	KM2O
N3UPS	VE7ZD	KE5CVM	W5JLC	K4GTR	KM5NU
N7AGF	W4RVZ	KF0Q	W6TJU	K4JQU	KS4V
NJ1H	W5DPT	KG5X	WA1LAD	K8XF	KT5RR
VE2PIJ	W5OV	KJ5OA	WA5TRX	KA2BSK	N0WVU
W1TE	W7UT	N3TBB	WB5NHX	KA7EII	N2LID
W1ZE	W9NFL	N4NIA	WB7VVD	KC0YBM	N2VHZ
W4KVS	WA8EQP	N5RZK	WK5X	KD5CKP	N2XK
W6ZQ	WB5FDP	N5XTR	WW2R (EL09)	KF4KSN	N8PAQ
W9MDB		N7EME		KM4NYI	N8YBY
WB2VUO	101	N8COP	98	KT5WB	NT2A
WB8BZK/VE3	AE7V	N8XS	AC2RL	N1SFE	NW5Q
WG3K	K0RAR	VP2MRM	AD8Y	N1VMJ	NY2Z

VE2DCP	94	93	K5TDA	KM9I	XE3/K5ENS
W1HMM	AA4RP		K7FU	KQ6K	
W4KK	AB4VT	AG2A	K7HKR	N3PPH	89
W4TMR	AD1DX	AG6CV	K7UWR	N3WCM	AB1TZ
W7JHS	HK4SAN	A18F	KB0PQP	N7CZ	AG2AA
W8DM	K0ARM	K0IW	KC4JNW	N8DEZ	AG7NR
WA3EEC	K3BEE	K1PTF	KD4QMY	NA7L	G4NBS
WB0M	K3TUF	K1ZK	KE4WBO	NR4J	JQ1TIV
WB5KJE	K4JRK	K2AK	KG4URP	NU4N	K4BMM
WP4LNY	K4LDC	K2MTS	KM3V	OE9KFV	K5CX
	K4YJ	K4DAM	KR7X	W2SUB	K5JAZ
95	K8GT	K5TRI	N0RC	W4MLN	KA0MWA
AE0G	K9DOG	K6RM	N2SG	W5KDA	KF4TVL
AE5EO	K9SUL	K7IP	N3GH	WB0NRV	KI0G
K1PNQ	KA2F	K7TRK	N4VN	WB7X	KI4FW
K4ED	KA9UVY	KB0USF	N5QO	WC4V	KI4US
K8KFJ	KB7AK	KC5TGT	N6FD	XE1GZU	KR4U
K8ME	KC0AUJ	KC5TT	N6RPM		N2GZ
K8VD	KC3AK	KC9TTR	N7DED	90	N5KAE
KD7WH	KD4VRZ	KC9UL	NS6E	AA0LM	N8YSZ
KD8DR	KE3WM	KD0QG	UT5JAJ	AB4WL	N9RG
KD9ZR	KF0LA	KE6AZX	W1PV	AB9DU	N9UDX
KF6XA	KG4NLZ	KE6UMW	W2ACY	AF5BG	NE2U
KI0SK	KU4JZ	KE8RPJ	W2CVW	DL1SMA	VE3VCF
KW9U	N0LNE	KI0J	W3ACO	JH4JNG	W0HRO
N1XK	N0LP	N2BX	W3HZU	K1HC	W1HY
N2SLO	N2SU	N2YTF	W4BP	K1KA	W2JEK
N2WLS	N3JBH	N3AO	W4LIA	K3CWF	W2OK
N3WAV	N3XBG	N3ZBK	W6NS	K3UAL	W4ZMM
N4ET	N3YUG	N4GOA	W8JV	K4AAP	W6VNB
N5BLY	N5ZMP	N4YHC	WA3JKB	K4FTP	W9HT
N5ENU	N6HY	N7EGY	WA4EEZ	K4XZ	WA7SDI
N5KI	N6MXU	N7JI	WM3O	K8EAB	WB3IAL
N9IV	N7NH	N7KSI		KA5TJI	WM6Y
N9LJX	N7UN	NA9D	91	KB5FHK	WQ5C
VA3KS	N8WWM	VA7QI	AA0CW	KB7BSA	WR5AY
VA3PZ	N9DD	VE3WMD	AD3Y	KK4DZP	XE2NL
VE3KZ	N9UNX	W0MHK	CO2WZ	KW3DX	XE3DX
VE3SPW	VA3MA	W2VTV	K1UR	N2ULL	
W3UA	VE3RX	W3ZGD	K4SPA	N4BRF	88
W4YZJ	VE5MX	W4GPM	K6YK	N5BA	AA4QE
W5ADA	VE7AB	W5DMT	K7HPN	N9JJ	AE0DX
W5CBF	W2GR	W7EIR	K8OI	N9MSG	AE4OF
W5RCQ	W3IPA	W7TRX	KB2YWU	VA3XOV	AF4MI
W7JWC	W3TA	W9IFW	KB3IAI	W9CPV	K1RS
W9SX	W4LNG	W9NED	KB3NDS	W9CSY	K3TN
WA2ONK	W5ODD	W9WI	KB7AZ	WA2BEV	K4XD
WA3I	W5PUF	WA5ICA	KC5POV	WA8OJR	K7CTV
WA4WR	WA7LHZ	WB5CON	KC8LGL	WD9HCF	K7WV
WB2SIH	WA9BXB		KG4QWC	WE7H	K7ZYV
WD8DOT	WT9U	92	KI3O	WEST SEATTLE	91A
WS4S	WV7S	K1EY	KI5BLU	WH6LE	KB2KIR
XE2AT		K5GDX	KM7N	WT4C	KC1GWX

KC3MLC	KA9OKH	83	W5TTY	SV1RK	63
KE7RTB	KB7JJG	AA6E	W6TCP	VP2MJD	EA1DR
KE8UM	KI6HQT	DL5XJ	W7AM	W4WT	KB0RFY
KI2D	KN4MMH	K1LH			
KI4RFM	KP4TB	K4SQC	79	72	62
KJ4KW	KT1R	K6JJ	K4RW	AB1QB	IZ8EDJ
N1CEO	N2NF	K8SIA	KP4N	N4II	K4DXA
N2MKT	N3MVF	KB3HHA	N2COP	PV8ADI	
N2ZN	N8TFD	KB9LIE	N5YJZ		61
N4CAG	NZ3O	KK7BV	N9RC	71	CU3AN
N4GN	VA3MDB	KU4WW	VE3CFK	HB9EFK	N0GVK
N4KIN	VA7LM	TG9AKH	W2GW	K0GW	SP5QWB
N4UC	W8IW	W7USB	W2SKI	K4GK	UX1UA
N5VBK	WA1PMA	WD6T	WN0L	K5WPN	
NS3X	WA4USA	WD9IOK		W2YR	60
NT4TN	WB4GCS	WI6Z	78	W3FGP	KP4JFR
VE2VLJ	XE2AU	XE1MM	K2QPN	WC5M	S55DX
W2BZR			TG9AWS		UR9QQ
W3YX	85	82	W4NE	70	VK4CZ
W4DL	EI3IO	AD4IE		GI4SJQ	
W4R XR	K1UU	CB0ZA	77	K4BNC	58
W7HDD	K4LRP	K4JMX	K1IFJ	KC0ZRX	HB9BIN
WA2BTR	KB3MXK	KC5YKX	MI0AYR	W2LV	KC6NBI
WA5MD	KC0V	KG4KVZ		W2QO	SV8CS
WK3N	KE4DRF	N1SF	76	W4GP	WA2MUA
WV8O	KK4AND	PU8TEP	K0WYN		
XE1SOV	N2RJ	W5DAS	KI4CYB	69	57
	N4LS	W7YOZ	KI7WXP	K3WGR	HL2EIZ
87	VE3GFN	W8GG	N1GNB	WD4LBR	IK1ZOF
AC0A	VE7DAY	WA2ONG	N2MH/4		N5LJL
AG4I	W1WV	ZS6NK		68	
K4JC	W3STU		75	AA4S	56
K5UZ	W4IT	81	G4RGK	EH7CD	EA5BY
K6UIP	W4RA	AB4I	K3PP	K6CF	KI5WA
KB1VUN	W6ST	IK8YTA	K8QM	KW4OV	LU8ADX
KC8NAH	W7SIR	KE4DZU	N5GH		NI6T
KE6WOX	W8DQ	N6MM	NP3YL	67	
KI6RRD	W9QY	N7NEV	W5UC	W7YED	55
N0ELA	WA4WKL	NI4Y	WP4NEG		JL3MCM
N2CJN	WD4LSS	W3MC	ZL3AAU	66	LA3MHA
NA5DX	WF4R	WA4ZXV		K6KLY	US5WE
NE5S		WA8ZNC	74	KK4YEL	WA2EMF
NI5F	84	XE1EE	AK8B		
NN7RM	CT3FT		CX4AAJ	65	54
W8GOC	K4EZY	80	KF2TI	JA1XEC	AG4KI
WB3IGR	KE6NDG	AC6BW	LU4FPZ	K5EJ	
WB8JAY	N1KI	K7FR	TI2CDA	N7UJJ	53
WF4W	N2NWS	KE4PT	VE6SO	OK1MP	K0BBC
XE1RBV	VE2WBK	KR4Q	WC6DX	W4CCS	PP1CZ
	W8PU	KW1DX			
86	W8SGR	N2NS	73	64	51
AG1T		UW5ZM	G4FKA	JG2TSL	CT1ETE
K7FB		VY2HF	JF1IRW		N8OFS

VE9FCP	38	JA6CRP	PY2HN	11	DL1TRK
50	DD3KF	K0FMI	SP8NR	A65BR	DU0A
N6DW	DU1EV	OH3DP		DL1TS	EA8MT
	K8YSE		18	DL2OE	EI2JC
48	VK5PJ	27	AJ6V	EA4DAU	JA7NGE
G8BQX		IZ4DPV	KJ4EU	EA4ZK	PY2VA
JA9KRO	37	KC9ELU	OE3SGU	G4CTY	
K5XI	BA7NQ	WP4NIX	VE6TA (DO31)	IZ4GWE	5
KI5KC	JA9APS		W0HBH	JA2KVB	DL5LH
N6DBF		26		PY2DV	EA1AAA
N8MR	36	WB7QXU	17	PY2GM	EA7ZY
NP3IR	JA1WSK		G3LZQ	SP5XMU	IK8GYS
YY4DNN	JH9DRL	25	PY2XAT		JE1LFX
	OH4UI	EA4/K1WE	W0JM	10	JI5USJ
				DL4CF	JJ1IDW
47	35	24	16	HB9BOS	KB8VAO EN91KT
HB9RYZ	GI4OWA	EI2JD	N6VHF	PA5KT	M1VFN
	LU9DO	F1RAF		SV2DCD	MU0GSY
46		F4BDG	15	TF3Y	OK1IN
LU2DX	34	KS4YX	9K2BM	UR7DWW	ON5UE
	G4SEU	LA6OP	EI2GLB		PP2RON
45	HB9ALO	ON6AB	HB9HIT	9	SK6QA
JA6WJL	LA2QM	PA7TWO	HL4GAV	DL7BA	VE2NGH
K4TXJ	UR5WA		LU5FF	EB1EWE	VR2XMT
		23	PY2RN	EC7ZK	W1ZR
44	33	GM4ILS	UT3UA	G6BFP	W2ZF
WO3T	HL2IFR	HB9G	UX0DL	JA1MZL	YL2CZ
XE2YWH/1	W8GC	JL1UXH	WC2C	JA2FGL	
	WB4SON	K4SLC		KB4YKC	4
43	WB8TGY (EN72)	KP4EIT	14	KD3UY	CT7/RC2A
8P6SH		W8MK	HB9FMN		EK/RX3DPK
CT1EEN	32		JA2XCR	8	F1DFR
HB9RUZ	N3LRH	22	KB8DVT	DK2LO	IV3GOW
K4ZIN	NP4TT	9H1SP	PV8RR	JA1CPU	JG1JPE
SV2AEL	SM6WET	IZ3ENH	PY2OC	JE3PCP	JH7IPR
			W9TTY	N8RO	JK6DXD
42	31	21		OH8LXT	S51NM
TF3JB	HA5PT	EA1YN	13		UT5EL
			K4WY	7	XE1SAX
41	30	20	PY2MC	G8APB	
K0BBC/R	E72X	CX1FK	W4PWF	HB9GWJ	3
N6PAZ	JL3LSF	DM2RM		IZ0INX	DF1ZN
	JO7WXN	HL4CJG	12	JA2NDQ	DJ5AV
40	WA6DNR	I1FQH	EA3GP	JI2UDK	DL2KQ
E75AA		N1WC	F4ESV	JJ2NWI	EA1AR
JF1LMB	29	PY5EW	HB9DDZ	LA3DV	EA4D
JR0QFA	HL2WA	W8LR	IK2RPE	N5ORT	G3LHJ
WB8TGY	JE1VTZ	YL3HA	JE2UFF	NJ4Y	GM4CFS
	OE4VIE		JK1UNZ	ZS4TX	HA9PP
39	SP5APW	19	JN1RQV		HL2ZN
AA5PK		EA6BB	N1IW	6	IK0WRB
YL2JZ	28	JI4WAO	PA7RA	CT2FEY	IK3ITB
	CT8/K0RUI	JR3UIC	ZS6WB	DH0GSU	IK8EPC

IW3GJF DL2DCX
JH7IMX DL4ZAB
JM1GHT EA3WD
JN1BPM EA4GQS
JR6IQI G4VSS
PY5IP G6MXL
SA7CJO G7SQS
SV1VN G8TTI
W1CBY IK5BSC
WD9EWK (DM43) W0AFS
YB1TJ IZ0BTV
YL2CA IZ3DBA
YL2MU IZ5FSA

2

JA1GZK
JA7DPC
JA7VXB
JH8XVT
JJ1PFC
JL2ULM
JN3ONX
KC3KJQ
KG4JSZ
KH6WI
KP4DER
MM0INH
OK1UU
ON6NA
OZ1IKY
PU5SVE
SM3GBA
SM6LPG
SQ5NRY
UN8G
UR5EDX
VR2VGM
WB7VUF
YO8WW

K7LY
KEN IN NEBRASKA
LA2CQ
OH3KAV
SV1XV
SV3FUO
YB2DX
YL2KF

1

3A2MW
9A2EY
BD4UJ
CT1AHU
DH8BQA
DJ3ZF