

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 (04 Feb 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	W3IP	476	464	449
AA0MZ	W4UDH		KC7QY	KB9OWD	KF6HI
AA5AM	W5ADD	484	KC7V		W8TN
AA5C	W5AFY	K0SIX		463	
AA7A	W5AJ	W5VY	474	VE3EK	448
A15I	W5FF	W5ZN	N4WW		W5XC
K0GU	W5KI		W6XK	462	
K1TOL	W5OZI	483		K6ZH	447
K4PI	W7GJ	AC0RA	473	N6ORB	K4HB
K4XO	W7JW	K0TPP	NQ7R	WE9R	KS7S
K5RK	W7KNT	K1USA	WB0O		N4SC
K5UR	W7MEM	W0VTT		461	W5EME
K5WE	W9FF		472	NA9RB	
K7CW	W9JN	482	A11K		446
K7ULS	W9RM	AD6D	KB7ME	459	K6EID
K8SIX	W9XX	KX4R	N7ZO	K4MY	N4QS
K9CT	WD5K		WD8JJA		NV4B
KA9CFD	WQ5S	481		458	
KA9FOX	WS9V	W9VHF	471	KG5THG	445
KD5M			AF5CC	N9BCA	KU7Z
KG5CCI	487	480	N5KO		N5NA
KM0A	K7MAC	K5GZR		456	N8OC
KO9A	K7TM	N7KA	469	N4JQQ	
KR7O	K9YY	WB0ULX	K7BG		444
KV5W	N0AKC	XE2CQ	N4TB	455	KB8VAO
N0LL	N7CW	XE2OR		K4SO	N7BAV
N0LWF	N7IR		467		NI0G
N0PB	N7NW	479	AD1C	453	W4DR
N0TB	N9ISN	KM0T	N5EKO	K4YMQ	
N1AV	NA6L	W5WVO	WO7R		443
N3SL		WA7HQD		452	AB4IQ
N3XX	486		466	N5BO	K4XP
N5DG	K1TO	478	KA0JGH	W3UR	N4MM
N5OMG	KY7M	AE5B	KB6NAN		N9PGG
N6JV	N0KE	N5WS	ND4X	451	NE1B
N9LB	WD5COV		WX7M	XE2K	
N9UM		477			441
ND0B	485	K0BJ	465	450	K8TB
W0FY	K5ND	NC6K	WB9CIF	AJ4F	KD3CQ
W0JW	K9MU	W9RN		N9BX	
W0LGQ	N0POH				

440 AG9S W2IRT W3LPL W5THT	KP4AJ N2NL N4QWZ N4TL	W0GJ WB5JID	398 K7SMA N8IEZ W1NG W5JAY	WE4S	372 W5MO
439 WB8ZBT	427 N4LR W3LL WA1EAZ	414 AH0U K7KQA	397 K5RT	385 KF0M NK1K VE6MB W4WTA	371 WA6BYA
438 KB9DAK	426 K4ZOT K8ZR N5OK XE2X	413 WA9LFO	396 KB8U	384 AB4SF K1GG K8ROK	370 K5TN KN4SM KS4YT N3MK NT0V
437 NY0V WB7CJO	425 K6ML	411 K9MK N9EAT	395 AA5XE K0AZ K5WBM KF7CQ	382 K5PI K6VHF VE3YXO	369 KF8UN N2DPF
436 K1HTV K3SX K7PI W3TC WB8ART	424 N4UFP N9AKR W3EP	410 KE7SW KE8KMX K18G N4HN	393 K7XC NJ6D W4TV	381 W3VZ	368 KB0V W5RCI W6GMT
435 K9KLD KF6A	423 AJ4A NA6MG	408 W7BA	392 AF4HX N4UFO VE4EAR W6OMF	380 K7MCX NE6I NM5U WA5LFD	367 AA4ZZ KC4HW KR4BD NT9E W7YAAQ
434 K1SIX	422 VE6WQ	407 W4AS W5CIA	391 N1EVK W4AVY	379 KZ2I N8WNA	366 KI7JA W7FI
433 N9FN W9WO	421 K8ROX WB8BPU	406 AK3E K6FG VE2XK 6M FN07R	389 NE9U	378 AG4W WR7X	365 K4JJW KG7CW WB4EVH
432 K6GXO N6KK W5TRL	420 KK4MA VE3LYC	405 AA4SC K5CKS	388 AE5FM K0IP W4WRL	376 AA5JF K8GI K8VFX N2WK	364 AB5EB JA7QVI N6QQ
431 K0TLM N2QT	419 K7NN W0GN W5AL	404 NH6T/W4	387 AA1ON K2TER KV4T N4CH	375 K6QG WB4OQX	363 W4NH
430 K1TEO KF8MY N5TJ	418 K4RWP K7ND	403 K3FM	386 K8JH N7IJ NN4R W5TFW W7AH	374 AB1OC KV7K N6GP N7DB	362 WA5OLT
429 WA5JCI	417 K5OMC K7AWB	402 K4CKS	399 WA9DU	373 K4SSO	361 K7XB K8BL K9NR
428 K9APW	416 KO4MA N5SYV	401 W0JRP W0RH W3UUM			

N7MB	347	K9QVB/9	328	318	309
N8KOL	KT8O	VA2WA	K6ME	N3ALN	AA4LR
NG4C		VE3DS	N5PT	W4HY	VE3XN
	346	WO9S	W2CNS		
360	W8LMG			317	307
AA4FF		335	327	KA8SYV	KE5K
K6UM (CN85)	345	K5FUV	K6EME	N3PS	W3ATV
N3OC	W3XY	K5FZ	KJ5RC	W1SKU	W9RPM
	XE2YWH	K9QVB	N0YO	WA7PDC	
359		KB4MRX	W2JU	WO2T	306
NI0P	344	W9GKA			K6RO
	AC9DX		326	316	WV9L
358	K6FW	334	K2ZD	K3FN	
K5RLA	KB0PE	K0OOK	K6LMN	KA0ABA	305
	KG8P	K3TRM	K6TDI	N1KDO	K6UM (CM88)
357	N9XG	N4UFO (EM95)	KD5XB	W4UCK	KF2T
K4LVV	W1OW	N9DR	NG7M	W9BWR	KT1J
W5PR		WB5TOI	VE1JBC		WA9M
	343		W7JLC	315	
356	AB4EJ	333	WF7T	K5VH	304
NY1V	K5EK	KM4HI		KG6AY	K6IPF
	N3RC	KN4NN	325	NY2NY	W4FC
355		N0IGZ	WA2AEY		WA0GUD
N2ZX	341	N6KZ	WB4KTF	314	
	KB1EFS	W3GQ		KU4XO	303
354	KD7DCR		324		EA8DBM
K0DEQ	NX7U	332	K9SH	313	K8TGC
	WA7YAZ	AA7UN	KU4A	K0TC	K8TL
353		N4JDB	N2BJ	N6NR	N7LAN
AF2K	340	N7KDT	N8HRZ	NF4A	
K0CS	KE4TH	VA3IKE	VE3TMG	W4GLV	302
K8EB	N0AN	W9GM		W5RKN	KB2TGU
			323	WA1NLG	W3TI
352	339	331	KI0E		
NZ3M	KE4BKL	K8WDA	N8II	312	301
W0KKK	VA7FC	KC0UDO	W4MAY	AF6O	N0HJZ
W1JR	W5VAS	N4MW	W8KEN	KA2GOJ	N2ZZ
WA9PWP		VE7BV		WB3LHD	W7IB
XE2ML	338		322		W9OBG
	VE3SXE	330	VA6SZ	311	WB0TVY
351	WA5KBH	KB8MBC		AC9S	
AA4FL		NK0S	321	KM3T	300
K5DTC	337		NC7B	KS4XQ	AA4V
	K8ZES	329	NS4C	W2BZY	K0DD
350	NU6S	AA1QD	W9VA	W5DB	K0PHP
AB9BH	W9EWZ	N2JJ			K0SRL
N6VI	WA5RT	W1DYJ	320	310	KB6VFC
N8YO	WW0E	W2OR	K0VG	AA8SW	N3KN
		W8WG	N4DW	N1NK	WA2BAH
349	336	W9DCT		NJ7G	WX0Z
KA0BAD	FG8OJ	W9XA	319	W9KVR	WX2S
	K5KDX	WX4G	N7US	WO4DX	
	K7BV		W4ER		

299 VE6WK W1LE W5SUM W8UV WB5GVY	289 K4MM K9FA N5BCA NQ7G W4LTJ	N0KV NM5Z	KB7FUV KM3V N9JR W3HHN	263 AK4PR K3VAT K4XR K9AAA W7CT WB7QBS	256 K3WA N8ZJN
298 AG1A KD4WSC N4IQ	288 HC2FG K1NU N6AR W1DU W4HLR	279 AA8MA KF9UG N3JPU W0VHF (EL87) WA4NVM XE1FAS	270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B	262 K3CWH KD8JSP KL7HBK N4ST ND4DX WA0KBZ	255 JM1IGJ K8MVZ KG4JPL W0NOZ WA8KNE
297 DK8NE N8YQX N9LF	287 JE1BMJ N8CGY WA8ZID	278 AA9D AJ4W K3JT N0LNO N8BJQ NN1N	269 K1GJQ K2IE K3ZO KD5R N5EPA N5WD	261 AF2F K3TWK KB8UUZ N3EW	254 KF8QL N7QOZ VE3OTL WD5ITW
296 K6YUI KC7RW	285 K5CZD K9UO N0LD WA4HFN	277 AC7JM JR1LZK NS4T PV8DX	268 K6OJ N9ZTS W0KAN	260 K6JAD N6HC W0PR	253 KG4ERR N2XQM N8LRG W3SW W9TA
295 KE4P N7NT NA5Z W2HRO	284 AB0RX K0KP K4DET KX7L NJ2F (EL96) RETIRED	276 K2CS K5TWJ K7TAB KE8Y	267 K8DP KG6EG KX9N N2AMC N7UVH N8EHW W4FSO W5WP W9DRB	259 AK0MR KD4ADC KG6I KN5O N1RR NS7K NY1E VE6BMX	252 AB5A CT1EEB K1ACL NN4RR VE6NTT VE6SH
294 JG1TSG K6JSV	283 K1ST W8OP WA0FQK WB0CQO	275 K1MAA K2NJ N4GG W0FK W8PI	266 K1OA K1WVX TG9AJR WB8EJN	258 K1BD K2HAT NA2NY WB7ECS	251 AD5JK HC1BI K1NJ K3NK KG7NV NN4SS
293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K5TA N0GZ N8JCM W4WM	274 KB1DMX	265 N5KS	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HF1/0	250 AA9LC NW6R
292 KJ6P W1SSN	281 K4OY NL7CO W2YE	273 K2BLA KM4H KV1J WB0OQV	264 AC8L K4JAF N0TK NF1O		
291 KS4S W1WHL	280 K2UU	272 K0PG XE1AO			
290 W3HDH WA8EFK		271 K7NII			249 CT1IUA K8AO KQ5U N1GC
					248 K1ZZ W6VFA

247 W1FKF W3TEF	239 F4BKV KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	VE6TA (DO33) W0PPA	N4SV VE3MSC W8AKS WN6W	ND4V W4DEE	209 AA4IB W5WGF WA4NFO XE2N
246 JA1UAV K0DAS KK8X N5TIT W4FRA WI7P	238 AA3GM JP1LRT KV7N	231 K4MIJ K6HEW KF6GYM VA2CY W9XT	224 JA8ISU JM1SZY K9MQ WA4YA	216 K7RB N0IS NE1F W5RWF	208 AI2N CO8DM KD5HIO PV8ABC
245 N1IA N3XF VA3CW	237 K3FRK K3KO K4QE	230 K1ZE KO4MM VA3XJ WB0WAO/8	223 K7UA NI3K NJ7A	215 AL7OC K2SX KI5FJ N2YU N6KW NA5C	207 K3HPA N1BCL N8NJA
244 AA9RR K8DV 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	214 KB9PJL PV8AZ VE3SYK WA7AJ	206 AB0CT AK4Y CT3MD 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 KE6FCT	227 K8ZT K9TF KS9A W4KXY W5LUA	220 K7BTW N7XCZ	212 AB5C JF8QNF KF7NN N2OA N5PA	204 IT9IPQ
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	203 K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM W9GFB W9VOB
240 AB5GU KG5EIU KI0HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	232 AE4WG AI9L K5FO N9NJY	225 AC9O K9QJ KX9X (EN50) N2WSY	218 K1XH K4IJQ K8YC KB8KVJ	210 JR3REX K3MSB K9YC KL7NO N1TQ N6UK WQ9T	202 K1BZ K5GJR
			217 KB1HY		

WC7X	K6VDP	WA7VHF	181	176	NA2U
WF8Z	KC0VDY	WU9Q	AB9FN	AD5ZA	W4IHI
WQ5W	KG6WIK	WX9M	K4CMS	EA5BY	W4JKC
201	194	187	K5HDE	K0DI	WK3V
AA7WB	K2MRK	K3EA	KB8YKR	KX9X	169
KC5FP	N3FA	KD3HN	N3XJX	N5QGH	K6XC
KO9V	N9NFT	KQ0J	N4DTF	NP4BM	KD5OMJ
KR0I	WF1H	N1SV	NY0A	W5AFD	N2BEG
NN0K	WK8A	186	W4RBO	WA5IPS	N5XES
WA1MKE	193	DJ5FI	W9BS	WW2R	N7PHY
WA9ASZ	K7PT	K6ZZ	WJ1B	175	VE3HHT
200	K9AB	K8PT	180	PV8BR	W8KNO
4A2MAX	192	K9SG	K0OST	174	168
N5AO	N1LF	KN4PPD	K4LYN	K3MD	KG5ZMQ
N9AG	N2NB	KN7K	KC1MMC	K6WRL	W8WEJ
VA3VU	N3CAL	N0XLR	N1RK	KC6ZWT	167
W1AW	N3NR	N6ZE	N6PEQ	KG7P	K4MQG
199	N4LXB	185	N6VH	KU0A	KB1YNT
K4GHS	N4TV	AD6W	WA5RR	N1MGO	VE5EP
N3KFV	W6MTR	KD5BQT	179	NA2NY (ex-NA1V)	LU4FW
NJ8J	W8FN	KU4UC	K1EP	NA6O	N0NHW
W4OEP	191	NA2R	KU4WD	W3SO	NO0T
WB0YEA	K0ITC	PY5CC	N0LIE	WA2PNI	TG9ADQ
198	K9CS	W3OU	N0MMA	173	W1BAT
AC8TO	KK6OH	W5BPT	NH7RO	K2ZZ	166
N0UK	N9AMW	184	VA3DPB	K5YPV	JA1OVD
N7EPD	WA2BKN	AF5Q	W8LHP	KE4SCY	KC2GHT
NX0I	WA5CAM	K0DEW	WA4QMQ	172	N5VU
WA7KYM	WD4JHD	KR4M	178	AB9KZ	NC4RY
197	190	N1IBM	KA2AYR	K5ZED	VA3WEB
K3EGE	K2WJ	N4BG	KB0EO	KI4PKW	WB4KXS
N4BAF	K5DB	183	KB1RZA	KJ6HI	165
W3TW	K5ER	K5RQ	KG5RJ	VE2PN	K4DXT
W5CTV	KC2DLD	N0FJP	KK8MM	W4ABC	KD5HPT
W9TD	N5SMQ	N0UBL	N1ZUK	171	N1JFU
196	N9UA	W2UDT	NQ2O	AA4PB	W0RIC
JR2HCB	W1ATV	182	VE3NRT	HP2AT	164
K0AIZ	W2OO	4O3A	W0ZY	KC5GSK	K2SD
K0NR	189	AJ6T	W1MAD	KC5YCH	K5VWW
N5DUW	KC0MEA	DF3CB	WY7FD	KI4TZ	KD0UHN
W2AMR	W3SZ	FP/KV1J	177	NS3L	KF9US
XE2ED	WA5VKS	K5GMX	K2QQ	W1PX	W4CSW
XE2W	188	K8WK	KI4BWW	WA2KBZ	WK7G
195	AD7KI	KK0DX	SM7FJE	170	163
AA4W	KD4HLG	W2CCC	W5ZG	K9TVG	K2JF
JA7MSQ	W4AZR	XE1CL	WA8UEG	N4GBK	K2YSY
				N8CN	

N5XZ	TG9ANF	K7IU	W0HNM	WY0V	N8GOU
162	VA3NQ	KB2YSI	W0UHL		W4TKI
AF4GK	WV8DX	N0TM	WB0MMC	138	WA3WZR
K0QB	154	N5ZBI	WM5H	AC0XY	
KA1R	AE4NT	W6VNI (CM88)	142	AI6O	133
KD4TDI	KB9VMW	WB6RAB	N5RMS	KD7WPJ	KA5ETS
W9JJB	W3ZQN	147	NA2X	KE0A	KC1RET
W9VS	153	AF6AV	NC4VA	KE3D	KE1VT
WA1Z	AA4NC	IZ1LBG	W5SWV	KE8RO	KM8V
161	AB4GG	K6PSP	WS4V	KQ4KX	N7T
K4EA	K7AD	KC1BUF	141	N3XH	W0RT
KB3CWQ	K7ZD	VE3CX	K4AR	137	W4GE
N2YBB	KW0A	W4YCC	K9ATX	N1SZ	WW7Q
V44KAI	N1OFZ	W5WOX	KT8TD	N5JGK	XE2O
VE3LC	N2ADV	WA0VPJ	N9FIV	SM7AED	
W4HOG	N6DHz	WA3YGQ	W4FS	136	132
160	W3DQS	146	W4POT	I0WTD	AB3CV
K5IQ	W5FI	K2GW	W6ZI	K0XXX	IC8TEM
WA3DRC	W9ILY	K8YTO	WB9WHQ	K4SX	K5VG
	WB5ZAM	KB0YH	WR7AY	KC5LK	KW4G
159	152	KB5ZEA	140	KC9AXZ	N4PPH
K4MZ	AA6I	KC2TN	AC5DK	KJ5RM	NE1I
NS7B	N1NUM	KM5TY	CO2WF	KV1E	VE3TM
W1EME	N2WM	N4HID	CT1BWU	NO1R	WN6K
W4TTO	NU1T	VA2RC	JA1AFR	OE6IMD	131
WB8NUT	UT7QF	VE1VOX	K1UO	W2JCN	K3NAT
	W6IA	W4HFZ	K7SAM	W4AVV	KG9R
158	WO4G	145	KC0MEZ	W7UV	N2CJ
K8CR	151	KD7YZ	KC8TMU	XE2JS	PV8AJ
KI0D	KO0Z	V31MD	KJ4KVC	135	130
N2CG	W1ZT	VA3TTX	N1EN	CU3EQ	AB0X
157	W2DXE	WA4JA	N3VOP	K4MWB	AK8CW
K4FX	150	144	NJ0U	K8ZIZ	JA6RJK
KB8GC	N9LAH	K0TLG	VE3KY	LY3W	K0GUR
WA7NB	VE3OAT	K5TDW	W4TUN	N4DB	K4JKB
156	W7APM	K6JRA	W6DQ	N8XE	KC4NX
K2KJ	149	K8MN	WA4KXY	W6BXQ	KE8RJU
N3RN	AB6CF	K8WU	139	WB8BZK	NG9R
N9KO	K4SAN	N9DI	IZ8FFA	WW2DX	VE1DX
VE7VDX	KK9H	W5MPC	K1DT	XE1H	VE2TZT
155	WB4VHF	WO7GI	KC7JPC	134	W0PHX
AE4M	148	143	KU0G	AB1NS	W2LES
K3TD	AC0DQ	K0KVR	N2ZA	AB4GE	W3FEY
K6XN	AG0A	K6JBH	N3FX	BA4SI	WA2SEI
N7AU	G0OIL	K9QFR	NA2AA	C6ABB	WB4YDL
N9OBE	K0RU	KB8RJS	W2PD	GM4UYE	WW5W
NY4I		N8URE (FM19)	W4OV	HK3W	129
		NA1VT	WA5TKU	KE5FXE	8P6ET
			WB2JIL	N3AIU (DN70)	JF4VZT
					K0KD

K5QWO	124	W8DN	117	KD4BPZ	K2OO
KC8KSK	K0DLW	WB9TFH	AB5J	KD6VCD	K5DNL
KF4NEF	K8VA		K4WS	KM5OL	K9GY
KM5LY	KB0HH (EM06)	120	N4USG	N3JDQ	KE6GLA
KM5SC	KD5FTD	EA1YO	N5JEH*	N4YCI	KJ6CA
N9WBR	KM1C	K2CYE	N5LPT	N5YK	KZ7N
NZ6N	KT5MR	K4CGY	NA7L	W0BM	N8TMW
	N0SL	KD0R	NU6V	W8MSP	N9TTX
128	N9AZZ	KD4MZM	W6WE	W8VW	VE3AAQ
KC7QAG	PV8AAS	KD5BRF	WA1TBV	WD0ENC	W0YJT
KJ6SDF	W0PE	KE4SCY (FM06)	XE2PXN		W1OP
KN4DMN	W1TAM	N3YPJ		112	W4ZRZ
W0WT	W7YM	VE1JC	116	K2MLS	W5MPC/1
W5ZO	W9CDL	VE3XK	IK7EOT	K3GD	W7RJR
W8FR		W4LVH	JR1BAS	K5WTA	WB6YIY
WB2WEO	123	WA6RAY	K4RGN	KA7T	WB9W
WQ7F	AC7AF	WB0WAO	KI6QDH	N5HMH	
	K9SM	WD4OHD	KU5B	W1TR	108
127	KB0GT		N0VR	W5DM	CF3VRQ
AA9RK	KB0STN	119	NO0B	W5DQ	HB9BZA
JA3LZS	KG6DHQ	AE5AU	W0DHB	W6OAT	JA9IPF
K3GYK	VE3TG	K0AWU		W7IV	K5OPB
K7UV	W1HS	K1ZN	115	W9PN	N3MWQ
K8AC	W3SE	K2SQS	K9MMS	WA8TWM	N5DD
K8OS	W4PRZ	K4MSG	KE6TVM	WX3P	VE3SUB
KB3OZC	W5EWF	K7JIZ	KF0QS	XE1GK	VE7IG
KB9TLV	W7MHW	KF7PCL	KF9AF		VY2RU
KC0RQH	W8BI	KP3V	KM5FA	111	W4AMP
NO8D	W8KHP	KT0P	N7VGO	N0SLT	W4CRN
VE2JWH	WA8WV	KW7N	VK9DX	N8IK	W5AAJ
W1FLD	WB2RVX	N4UPX	WA3BZT	PC3T	W8EH
WA6BIL		W0QC	WC7V	W8GBH	W9VNE
	122	W4SW		WZ8P	XE1R
126	K7AED	W7QQ	114		
KJ7G	K7OGW	WI4T	AC8HU	110	107
N0BDS	KA9JAC	WM9M	K2RET	K5KR	JA3EGE
N7DGI	KB4UF		K3RTU	K7LD	K5UIC
WB4HUC	KB5WFE	118	K9AAN	KD5J	KF7PG
YL2AO	KC5UGX	J68AS	KC4GCK	KI0F	KI9A
	N5HYV	K4AZV	KG9Z	KP4JRS	KK4LUM
125	VE6PY	KA4LBD	NF8M	KQ4LA	N3TTT
AA7DK	VE7JAC	KF6MXK	VE1WOW	KX5U	N9OI
K3PU	WD0GTY	KI7BP	VE3IRR	N5TIF	NF0T
KC5DRI		KT8X	W2JLK	N5YM	US0KW
KD2NF	121	KW4BY	W4ALF	W7JET	W2ODH
NT7C	AE1P	N1QDQ	W4UFO	W7UP	W2TTT
W2AJM	K0MFI	N3JNX	WO2C		WB4PPW
W3UQH	K4HBI	N5EIL	WX4US	109	
W4DFU	KB2WAL	NZ1I		AK6ZZ	106
WA6POZ	KB5MH	TF3JB	113	G4BWP	EA4DEI
WB4OMM	KE4JFS	W2AC / WB2ABK	AB4PM	IW1ARB	K0MEI
WE1P	NE0P/9	W2AC/WB2ABK	AD5MD	K2DSW	K5BJW
	UR0MC	WB2KSK	K3DQB	K2JGL	K7BWH

K7JE	N2FBQ	KR5V	KC9CMT	W2HOG	K0YQ
KB0TIJ	N3UPS	N1HOQ	KD3SW	W2VU	K3HZO (FN20)
KC7ICM	N7AGF	VE7ZD	KE5CVM	W5JLC	K4GTR
KE5JXC	NJ1H	W4RVZ	KF0Q	W6TJU	K4JQU
KJ6MBW	VE2PIJ	W5DPT	KG5X	WA1LAD	K8XF
KK2DOG	W1TE	W5OV	KJ5OA	WA5TRX	KA2BSK
N0RQ	W1ZE	W7UT	N3TBB	WB5NHX	KA7EII
N1USB	W4KVS	W9NFL	N4NIA	WB7VVD	KC0YBM
N2IPH	W6ZQ	WA8EQP	N5RZK	WK5X	KD5CKP
N4CE	W9MDB	WB5FDP	N5XTR	WW2R (EL09)	KF4KSN
N5FPW	WB2VUO	101	N7EME		KM4NYI
N5YHF	WB8BZK/VE3	AE7V	N8COP	98	KT5WB
N8HM	WG3K	K0RAR	N8XS	AC2RL	N1SFE
N9XMU	103	K0SBV	VP2MRM	AD8Y	N1VMJ
VA3OKG	AA5CK	K0WJ	W2CH	K0KC	N3UMA
VE3AJY	AB0YM	K2NUD	W4/KL7GLL	K0UD	N4BH
WB6VYH	AB5SS	K5DWI	W4OZK	K3IXD	N5OTY
WQ9F	K2OY	K5HX	W8BZY	K3QIA	N6MA
105	K4MVL	K7SYS	W9DQ	K4OP	N9APK
AC4Q	K6USY	KB4KBS	WA5TLP	K5HOB	N9IO
K4SJA	K8ZEE	KC6AWX	WV9E	KA1EKR	N9KY
K9MAL	KA1W	KC8CSD	99	KE4LGL	NK7C
KB3JGS	KB0FHP	KG8WB	AB0SD	KG4YOU	NU0Y
KC0JYT	KB2SGX	KG9IL	AB3TM	KG7E	VA3FIN
KC4KK	KC9FFV	KL2R	K0YO	KJ2G	W3QT
KF4DGS	KF0AIJ	KR4WM	K4KEW	KK0CQ	W4CWA
KJ7TH	KF4DVG	KR7LD	K4WQ	KY0Q	W4DAS
N4NQY	KR4NO	N1IX	K4ZO	N0JJQ	W4ID
N5SAN	N0YXE	N4AOE	K5VPQ	N1JHJ	W7DN
N7YY	N1JIF	N8VEA	K7DD	N3LRP	WA6OSX
NE9O	VE7DXG	N9DVS	K7PAP	N5TEY	WA9LEY
PU4JOE	W0TF	ON9CMR/W0	K9ZZE	N8AID	WB8RVK
VE3VRQ	W3LEO	VA2LGQ	KA0ZEE	NO5X	WB8ZTV
W8MIL	W6IT	W4LLP	KC2IEB	NO8R	WB9PNU
W9RVG	W6XU	W5KBD	KC6X	VA3VF	WE8L
WA4MYO	102	W7ISG	KD4MWO	W2KRP	96
104	AA9MY	WB8IMY	KD6RUH	W6TE	AD5OW
AB9YC	AB8JH	WD5IYT	KR4UA	WA2FGK	AE4TQ
AC5K	AD6KH	100	M5MYH	WA3TLT	AK4F
AC5RN	K0HAQ	AC0FT	N4FV	WB1GQR	K2CK
AC9QR	K3HW	AI2S	N5OHL	WB2YDS	K2UF
IK4DRY	K5VR	AI9U	N7HRT	WD0E	K2UNK
K5PPP	K9AM	K2UA	N7JPF	WH6LR	K4EQH
KB9RNO	K9OHI	K4UQC	N7TE	WT5H	K5CRJ
KC2TR	KA3ZLS	K5GM	N8GHZ	WV5Y	K8EMR
KD9GKL	KB8CR	K5KV	N8YV	97	K9OT
KJ7OG	KC6WFS	K8IJ	N9MKC	AB8M	KA2NDX
KM6WXB	KC8DMN	K9CC	NB5R	AJ9C	KA3HED
KO4LZ	KD8NYO	KB9ZLB	NH6CJ	K0HB	KB5GI
N0STP	KE1AU	KC2HLI	NI5W	K0JQZ	KB8PNS
N1LDY	KJ4M	KC8CC	NS2P	K0QEI	KC0HBP
			VE2HAY	K0SH	KD6PY

KI5TE	W3UA	N9DD	VE3WMD	CO2WZ	N2ULL
KM2O	W4YZJ	N9UNX	W0MHK	K1UR	N4BRF
KM5NU	W5ADA	VA3MA	W2VTV	K4SPA	N5BA
KS4V	W5CBF	VE3RX	W3ZGD	K6YK	N9JJ
KT5RR	W5RCQ	VE5MX	W4GPM	K7HPN	N9MSG
N0WVU	W7JWC	VE7AB	W5DMT	K8OI	VA3XOV
N2LID	W9SX	W2GR	W7EIR	KB2YWU	W9CPV
N2VHZ	WA2ONK	W3IPA	W7TRX	KB3IAI	W9CSY
N2XK	WA3I	W3TA	W9IFW	KB3NDS	W9HBH
N8PAQ	WA4WR	W4LNG	W9NED	KB7AZ	WA2BEV
N8YBY	WB2SIH	W5ODD	W9WI	KC5POV	WA8OJR
NT2A	WD8DOT	W5PUF	WA5ICA	KC8LGL	WD9HCF
NW5Q	WS4S	WA7LHZ	WB5CON	KG4QWC	WE7H
NY2Z	XE2AT	WA9BXB		KI3O	WEST SEATTLE AMA
VE2DCP		WT9U	92	KI5BLU	WH6LE
W1HMM	94	WV7S	K1EY	KM7N	WT4C
W4KK	AA4RP		K5GDY	KM9I	XE3/K5ENS
W4TMR	AB4VT	93	K5TDA	KQ6K	
W7JHS	AD1DX		K7FU	N3PPH	89
W8DM	HK4SAN	AG2A	K7HKR	N3WCM	AB1TZ
WA3EEC	IK8YTA	AG6CV	K7UWR	N7CZ	AG2AA
WB0M	K0ARM	AI8F	KB0PQP	N8DEZ	AG7NR
WB5KJE	K3BEE	K0IW	KC4JNW	NR4J	G4NBS
WP4LNY	K3TUF	K1PTF	KD4QMY	NU4N	JQ1TIV
	K4JRK	K1ZK	KE4WBO	OE9KFV	K4BMM
95	K4LDC	K2AK	KG4URP	W2SUB	K5CX
AE0G	K4NNX	K2MTS	KR7X	W4MLN	K5JAZ
AE5EO	K4YJ	K4DAM	N0RC	W5KDA	KA0MWA
K1PNQ	K8GT	K5TRI	N2SG	WB0NRV	KF4TVL
K4ED	K9DOG	K6RM	N3GH	WB7X	KI0G
K8KFJ	K9SUL	K7IP	N4VN	WC4V	KI4FW
K8ME	KA2F	K7TRK	N5QO	XE1GZU	KI4US
K8VD	KA9UVY	KB0USF	N6FD		KR4U
KD7WH	KB7AK	KC5TGT	N6RPM	90	N2GZ
KD8DR	KC0AUY	KC5TT	N7DED	AA0LM	N5KAE
KD9ZR	KC3AK	KC9TTR	NS6E	AB4WL	N8YSZ
KF6XA	KD4VRZ	KC9UL	UT5JAJ	AB9DU	N9RG
KI0SK	KE3WM	KD0QG	W1PV	AF5BG	N9UDX
KW9U	KF0LA	KE6AZX	W2ACY	DL1SMA	NE2U
N1XK	KG4NLZ	KE6UMW	W2CVW	JH4JNG	VE3VCF
N2SLO	KU4JZ	KE8RPJ	W3ACO	K1HC	W0HRO
N2WLS	N0LNE	KI0J	W3HZU	K1KA	W1HY
N3WAV	N0LP	N2BX	W4BP	K3CWF	W2JEK
N4ET	N2SU	N2YTF	W4LIA	K3UAL	W2OK
N5BLY	N3JBH	N3AO	W6NS	K4AAP	W4ZMM
N5ENU	N3XBG	N3ZBK	W8JV	K4FTP	W6VNQ
N5KI	N3YUG	N4GOA	WA3JKB	K4XZ	W9HT
N9IV	N5ZMP	N4YHC	WA4EEZ	K8EAB	WA7SDI
N9LJX	N6HY	N7EGY	WM3O	KA5TJI	WB3IAL
VA3KS	N6MXU	N7JI		KB5FHK	WM6Y
VA3PZ	N7NH	N7KSI	91	KB7BSA	WQ5C
VE3KZ	N7UN	NA9D	AA0CW	KK4DZP	WR5AY
VE3SPW	N8WWM	VA7QI	AD3Y	KW3DX	XE2NL

XE3DX	KI6RRD	W9QY	NI4Y	WP4NEG	67
	N0ELA	WA4WKL	W3MC	ZL3AAU	W7YED
88	N2CJN	WD4LSS	WA4ZXV		
AA4QE	NA5DX	WF4R	WA8ZNC	74	66
AE0DX	NE5S		XE1EE	AK8B	K6KLY
AE4OF	NI5F	84		CX4AAJ	KK4YEL
AF4MI	NN7RM	CT3FT	80	KF2TI	
K1RS	W8GOC	K4EZY	AC6BW	LU4FPZ	65
K3TN	WB3IGR	KE6NDG	K7FR	TI2CDA	JA1XEC
K4XD	WB8JAY	N1KI	KE4PT	VE6SO	K5EJ
K7CTV	WF4W	N2NWS	KR4Q	WC6DX	N7UJJ
K7WV	XE1RBV	VE2WBK	KW1DX		OK1MP
K7ZYV		W8PU	N2NS	73	W4CCS
K9JF	86	W8SGR	UW5ZM	G4FKA	
KB2KIR	AG1T		VY2HF	JF1IRW	64
KC1GWX	K7FB	83	W5TTY	SV1RK	JG2TSL
KC3MLC	KA9OKH	AA6E	W6TCP	VP2MJD	
KE7RTB	KB7JJG	DL5XJ	W7AM	W4WT	63
KE8UM	KI6HQT	K1LH			EA1DR
KI2D	KN4MMH	K4SQC	79	72	KB0RFY
KI4RFM	KP4TB	K6JJ	K4RW	AB1QB	
KJ4KW	KT1R	K8SIA	KP4N	N4II	62
N1CEO	N2NF	KB3HHA	N2COP	PV8ADI	IZ8EDJ
N2MKT	N3MVF	KB9LIE	N5YJZ		K4DXA
N2ZN	N8TFD	KK7BV	N9RC	71	SP5QWB
N4CAG	NZ3O	KU4WW	VE3CFK	HB9EFK	
N4GN	VA3MDB	TG9AKH	W2GW	K0GW	61
N4KIN	VA7LM	W7USB	W2SKI	K4GK	CU3AN
N4UC	W8IW	WD6T	WN0L	K5WPN	N0GVK
N5VBK	WA1PMA	WD9IOK		NP4TT	UX1UA
NS3X	WA4USA	WI6Z	78	W2YR	
NT4TN	WB4GCS	XE1MM	K2QPN	W3FGP	60
VE2VLJ	XE2AU		TG9AWS	WC5M	IZ4DPV
W2BZR		82	W4NE		KP4JFR
W3YX	85	AD4IE		70	S55DX
W4DL	EI3IO	CB0ZA	77	GI4SJQ	UR9QQ
W4R XR	K1UU	K4JMX	K1IFJ	K4BNC	VK4CZ
W7HDD	K4LRP	KA5WSS	MI0AYR	KC0ZR X	
WA2BTR	KB3MXK	KC5YKX		W2LV	58
WA5MD	KC0V	KG4KVZ	76	W2QO	HB9BIN
WK3N	KE4DRF	N1SF	K0WYN	W4GP	KC6NBI
WV8O	KK4AND	PU8TEP	KI4CYB		SV8CS
XE1SOV	N2RJ	W5DAS	KI7WXP	69	WA2MUA
	N4LS	W7YOZ	N1GNB	K3WGR	
87	VE3GFN	W8GG	N2MH/4	WD4LBR	57
AC0A	VE7DAY	WA2ONG			HL2EIZ
AG4I	W1WV	ZS6NK	75	68	IK1ZOF
K4JC	W3STU		G4RGK	AA4S	N5LJL
K5UZ	W4IT	81	K3PP	EH7CD	
K6UIP	W4RA	AB4I	K8QM	K6CF	56
KB1VUN	W6ST	KE4DZU	N5GH	KW4OV	KI5WA
KC8NAH	W7SIR	N6MM	NP3YL		LU8ADX
KE6WOX	W8DQ	N7NEV	W5UC		NI6T

55 JL3MCM LA3MHA US5WE WA2EMF	41 K0BBC/R N6PAZ	WA6DNR	PY5EW W8LR YL3HA	F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB	JI2UDK JJ2NWI LA3DV N5ORT NJ4Y ZS4TX
54 AG4KI	40 E75AA JF1LMB JR0QFA WB8TGY	29 HL2WA OE4VIE SP5APW	19 EA6BB JI4WAO JR3UIC PY2HN SP8NR		6 CT2FEY DH0GSU DL1TRK DU0A EA8MT EI2JC JA7NGE PY2VA
53 K0BBC PP1CZ	39 AA5PK YL2JZ	28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V KJ4EU OE3SGU VE6TA (DO31) W0HBH	11 A65BR DL1TS DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU	
51 CT1ETE N8OFS VE9FCP	38 DD3KF DU1EV K8YSE VK5PJ	27 KC9ELU WP4NIX	17 G3LZQ PY2XAT W0JM		5 DL5LH EA1AAA EA7ZY IK8GYS JE1LFX JI5USJ JJ1IDW KB8VAO EN91KT M1VFN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ
50 N6DW	37 BA7NQ JA9APS	26 WB7QXU			
48 G8BQX JA9KRO K5XI KI5KC N6DBF N8MR NP3IR YY4DNN	36 JA1WSK JH9DRL OH4UI	25 EA4/K1WE	16 N6VHF	10 DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW	
47 HB9RYZ HL2IFR JE1VTZ	35 GI4OWA HA5PT LU9DO	24 EI2JD F1RAF F4BDG KS4YX LA6OP ON6AB PA7TWO	15 9K2BM EI2GLB HB9HIT HL4GAV LU5FF PY2RN SV8CKM UT3UA UX0DL WC2C		
46 LU2DX	34 G4SEU HB9ALO LA2QM UR5WA	23 GM4ILS HB9G JL1UXH K4SLC KP4EIT W8MK	14 HB9FMN JA2XCR KB8DVT PV8RR PY2OC W9TTY	9 DL7BA EB1EWE EC7ZK G6BFP JA1MZL JA2FGL KB4YKC KD3UY	4 CT7/RC2A EK/RX3DPK F1DFR IV3GOW JG1JPE JH7IPR JK6DXD S51NM UT5EL XE1SAX
45 JA6WJL K4TXJ	33 W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH	13 K4WY PY2MC W4PWF	8 DK2LO JA1CPU JE3PCP N8RO OH8LXT	
44 WO3T XE2YWH/1	32 N3LRH SM6WET	21 EA1YN	12 EA3GP		3 DF1ZN DJ5AV
43 8P6SH CT1EEN HB9RUZ K4ZIN SV2AEL	30 E72X JL3LSF JO7WXN	20 CX1FK DM2RM HL4CJG I1FQH N1WC		7 G8APB HB9GWJ IZ0INX JA2NDQ	

DL2KQ	YB2DX
EA1AR	YL2KF
EA4D	
G3LHJ	1
GM4CFS	3A2MW
HA9PP	9A2EY
HL2ZN	BD4UJ
IK0WRB	CT1AHU
IK3ITB	DH8BQA
IK8EPC	DJ3ZF
IW3GJF	DL2DCX
JH7IMX	DL4ZAB
JM1GHT	EA3WD
JN1BPM	EA4GQS
JR6IQI	G4VSS
PY5IP	G6MXL
SA7CJO	G7SQS
SV1VN	G8TTI
W1CBY	IK5BSC
WD9EWK (DM43)	W0AFS
YB1TJ	IZ0BTV
YL2CA	IZ2CSX
YL2MU	IZ3DBA
	IZ5FSA
2	JA1GZK
5B4ALJ	JA7DPC
7J1ADJ	JA7VXB
9A2GA	JH8XVT
9K2NO	JJ1PFC
BV6CC	JL2ULM
CO6CBF	JN3ONX
DF8FT	KC3KJQ
DK1CO	KG4JSZ
EH4BPJ	KH6WI
ES8JX	KP4DER
F5TMJ	MM0INH
G0THY	OK1UU
G4DDL	ON6NA
G8GNI	OZ1IKY
GI4ONL	PU5SVE
IK1IYU	SM3GBA
IK2GOQ	SM6LPG
IZ8XQC	SQ5NRY
JA6AVT	UN8G
JA6SZV	UR5EDX
JA9FAI	VR2VGM
JP1HDK	WB7VUF
K7LY	YO8WW
KEN IN NEBRASKA	
LA2CQ	
OH3KAV	
SV1XV	
SV3FUO	