

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 (18 Apr 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	W5KI	483	WB00	461	446
AA0MZ	W5OZI	AC0RA		NA9RB	K6EID
AA5AM	W7GJ	K5ND	472	ND4X	
AA7A	W7JW	W0VTT	A11K		445
A15I	W7KNT	W5AJ	KB7ME	458	KU7Z
K0GU	W7MEM		N4WW	KG5THG	N5NA
K1TOL	W9FF	482	WD8JJA	N9BCA	
K4PI	W9JN	W5VY		WB9CIF	444
K5RK	W9RM		471		N7BAV
K5UR	WD5K	481	AD6D	457	W4DR
K5WE	WQ5S	K0TPP	AF5CC	VE3EK	
K7CW	WS9V		WD5COV		443
K9CT		480		456	N4MM
KA9CFD	487	K1USA	469	N0POH	
KA9FOX	AA5C	N7KA	K7BG		442
KD5M	K4XO		KM0T	454	N8OC
KG5CCI	K7MAC	479	N4TB	WE9R	
KM0A	K7TM	W5WVO	N7ZO		441
KO9A	K9YY	W9VHF		453	K4XP
KR7O	N0AKC		467	K4YMQ	
KV5W	N7CW	478	AD1C	N4JQQ	440
N0LL	N7IR	AE5B	WO7R		AG9S
N0LWF	N7NW	K5GZR		450	K8TB
N0TB	N9ISN		466	K4SO	W2IRT
N1AV	NA6L	477	K0BJ	N5EKO	
N3SL	W9XX	W9RN	KA0JGH	N9BX	438
N3XX		XE2CQ	KB6NAN		W3LPL
N5DG	486		W6XK	449	
N5OMG	KY7M	476	WX7M	K4MY	437
N6JV	N0KE	KC7QY		KF6HI	NY0V
N9LB		KC7V	464	W8TN	XE2K
N9UM	485	WB0ULX	KB9OWD		
ND0B	K5XI	XE2OR		447	436
W0FY	K9MU		463	K4HB	AB4IQ
W0JW	W3IP	475	N5KO	KS7S	K7PI
W0LGQ		KX4R		N4SC	KD3CQ
W3CP	484		462	W3UR	W3TC
W4UDH	K0SIX	473	K6ZH	W5EME	WB8ART
W5ADD	K1TO	N5WS	N6ORB	W5XC	
W5AFY	K8SIX	NQ7R			435
W5FF	W5ZN	WA7HQD			K9KLD

KF6A	423 NV4B W5THT	411 K9MK	395 AA5XE K0AZ K5WBM KF7CQ	382 K5PI K6VHF VE3YXO	W6GMT
434 NE1B		410 KE7SW K18G			367 KR4BD NT9E W7YAAQ
433 N9FN W9WO	422 VE6WQ		393 K7XC KK4MA W4TV	381 W3VZ	
432 K6GXO KB8VAO EN91P W5TRL	421 K8ROX N5TJ N9PGG WB8ZBT	409 N4HN		380 AB4SF K7MCX NM5U WA5LFD	366 K17JA N4LR
431 K0TLM K1HTV K3SX N2QT	420 WB8BPU	407 W4AS W5CIA	392 AF4HX K7SMA VE4EAR W6OMF	379 N8WNA	365 K4JJW KG7CW KZ2I WB4EVH
430 K1TEO KF8MY NI0G	419 K7NN KB9DAK W5AL XE2X	406 AK3E K6FG N9EAT	391 W4AVY XE2YWH	376 AA5JF K8VFX N2WK	364 AA4ZZ AB5EB N6QQ
429 K1SIX N4QS WA5JCI	418 K4ZOT	405 AA4SC K5CKS	390 NA6MG	375 K6QG WB4OQX	363 W4NH
428 K9APW KP4AJ N4TL	417 AJ4A VE3LYC	403 KE8KMX NH6T/W4	388 K0IP W4WRL	374 N1EVK N6GP N7DB	362 WA5OLT
427 N4QWZ W3LL	416 K4RWP K7ND	402 K3FM	387 KV4T N4CH	373 K4SSO	361 AG4W K8BL K9NR N7MB N8KOL NE9U NG4C
426 AJ4F K8ZR N5OK	415 K5OMC K7AWB KO4MA N5SYV W0GJ	401 K4CKS	386 N7IJ NN4R W5TFW W7AH WE4S	372 W5MO	360 AA4FF K6UM (CN85)
425 WA1EAZ	414 AH0U K7KQA W0GN	398 N5BO N8IEZ W1NG W5JAY	385 KF0M NK1K VE6MB W4WTA	371 WA6BYA	359 WR7X
424 N4UFP N9AKR W3EP	413 WA9LFO	397 K5RT	384 AA1ON K1GG K2TER K8ROK	370 K5TN KN4SM KS4YT N3MK NT0V	358 K5RLA N3OC
	412 N2NL WB7CJO	396 KB8U	383 N4UFO	369 KF8UN N2DPF	357 JA7QVI K4LVV KV7K NI0P

W5PR	WA7YAZ	N7KDT	W8KEN	W4GLV	302
355	340	VA3IKE	WW0E	W5RKN	KB2TGU
KC4HW	N0AN	W9GM	322	312	W3TI
N2ZX	W8LMG	331	VA6SZ	AF6O	301
WA9DU	339	FG8OJ	321	KA2GOJ	N0HJZ
354	KE4BKL	K8WDA	N2JJ	WA1NLG	N2ZZ
AB1OC	N6KK	N4MW	NC7B	WB3LHD	W9OBG
K0DEQ	VA7FC	N6KZ	NJ6D	WO2T	WB0TVY
353	W5VAS	330	NS4C	311	300
AF2K	338	KB8MBC	W9VA	KM3T	AA4V
K0CS	VE3SXE	KG8P	320	W2BZY	K0DD
K8EB	WA5KBH	329	K0VG	W5DB	K0PHP
352	337	KC0UDO	K6EME	310	K0SRL
NZ3M	K8ZES	W1DYJ	N4DW	AA1QD	KB6VFC
W0KKK	WA5RT	W2OR	319	AA8SW	N3KN
W1JR	336	W8WG	N7US	NG7M	WA2BAH
W7FI	AB4EJ	W9XA	W4ER	VA2WA	WX0Z
WA9PWP	K5KDX	WX4G	318	W9KVR	WX2S
XE2ML	K8GI	328	N3ALN	WO4DX	299
350	K9QVB/9	K6ME	W4HY	307	VE6WK
AA4FL	VE3DS	N3RC	W4MAY	KE5K	W1LE
K7XB	WO9S	N5PT	317	KS4S	W5SUM
N6VI	335	NK0S	VE7BV	W3ATV	W8UV
349	K5FUV	W2CNS	W1SKU	W9RPM	WB5GVY
K8JH	K5FZ	327	WA7PDC	WB4KTF	298
KA0BAD	K9QVB	AC9DX	316	306	KD4WSC
347	KB1EFS	KJ5RC	K3FN	K6RO	N1NK
KT8O	KB4MRX	N0YO	KA0ABA	K7BV	N4IQ
346	KB4MRX	NU6S	N1KDO	VE3XN	297
NY1V	W9GKA	W9DCT	W4UCK	WV9L	N8YQX
345	334	326	W9BWR	305	N9LF
N8YO	K0OOK	K2ZD	315	K6UM (CM88)	VE1JBC
W3XY	K3TRM	K6LMN	K5VH	KF2T	296
344	N4UFO (EM95)	W7JLC	KG6AY	KT1J	K6YUI
K6FW	N9DR	325	NY2NY	WA9M	KC7RW
KB0PE	N9XG	WA2AEY	WF7T	304	295
W1OW	WB5TOI	324	314	K6IPF	KE4P
343	333	K9SH	KB0V	W4FC	N7NT
K5EK	KM4HI	KU4A	KU4XO	WA0GUD	W2HRO
341	KN4NN	N2BJ	313	303	294
KD7DCR	N0IGZ	VE3TMG	K0TC	EA8DBM	K6JSV
	W3GQ	323	N6NR	K8TGC	N8HRZ
	332	KI0E	NF4A	K8TL	293
	AA7UN	N8II			AB9BH
	N4JDB				

K3AX	283	N4GG	N7UVH	KN5O	KG7NV
K4KJZ	W8OP	W0FK	N8EHW	N1RR	NN4SS
N4JJ	WA0FQK	W8PI	W4FSO	NS7K	
N4MI	WB0CQO	WA4NVM	W5WP	NY1E	250
W2GKR			W9DRB	VE6BMX	AA9LC
W4VC	282	274		W2JU	K0CCM
WA2IIE	AA0ZP	K2UU	266		N5DTT
	DK8NE	KB1DMX	K1OA	258	NW6R
292	K5TA		K1WVX	K1BD	
KJ6P	N0GZ	273	KE8Y	K2HAT	249
W1SSN	N8JCM	KM4H	TG9AJR	NA2NY	K8AO
	W4WM	NA5Z	WB8EJN	WB7ECS	KL7HBK
291		WB0OQV			KQ5U
W1WHL	281		265	257	N1GC
	K4OY	272	N5KS	K2KA	
290	W2YE	XE1AO		K5QE	248
WA8EFK			264	KD4MYE	CT1IUA
	280	271	AC8L	PY2XB	K1ZZ
289	AC5D	K4NNX	K2BLA	W7CT	W6VFA
K4MM	N0KV	K7NII	K4JAF	WA2HFI/0	
K9FA	NM5Z	KB7FUV	N0TK		247
N5BCA		KD5XB	NF1O	256	K0PG
NQ7G	279	W3HHN		K3WA	W1FKF
W4LTJ	N3JPU		263	N8ZJN	W3TEF
	W0RH	270	AK4PR	WA4HFN	W9TA
288	W0VHF (EL87)	AA8MA	K3VAT		
AA4LR	W3HDDH	K4SPD	K4XR	255	246
HC2FG	XE1FAS	KC9FQD	K9AAA	K8MVZ	K0DAS
K1NU		N2LIV	NJ7G	KG4JPL	KK8X
N6AR	278	W4QK	WB7QBS	KS4XQ	N5TIT
W1DU	AA9D	W5DNT		W0NOZ	W0PR
W4HLR	AJ4W	W7JY	262	WA8KNE	W4FRA
	JG1TSG	WZ9B	AE5FM		
287	K3JT		K1ST	254	245
AC9S	N0LNO	269	K3CWH	KF8QL	N1IA
JE1BMJ	N8BJQ	K2IE	ND4DX	N7QOZ	VA3CW
N8CGY	NN1N	K3ZO	WA0KBZ	VE3OTL	W3SW
		KD5R		WD5ITW	WA8ZID
286	277	N5EPA	261		WI7P
AG1A	AC7JM	N5WD	AF2F	253	
NC6K	K7ULS		K3TWK	N2XQM	244
	K9UO	268	KB8UUZ		AA9RR
285	NS4T	K6OJ	N3EW	252	KD8JSP
K5CZD	PV8DX	KX7L		AB5A	N3AIU (FM08)
N0LD		N9ZTS	260	K1ACL	N4JRY
	276	W0KAN	JR1LZK	NN4RR	VA3ZV
284	K2CS		K6JAD	VE6NTT	VE3VHB
AB0RX	K5TWJ	267	N6HC	VE6SH	W0VD
K0KP	K7TAB	K8DP			WD4IXD
K4DET		KG6EG	259	251	
NJ2F (EL96)	275	KX9N	AK0MR	AD5JK	243
RETIRED	K1MAA	N2AMC	KD4ADC	K1NJ	JA1QJI
	K2NJ	N3PS	KG6I	K3NK	K3TC

W4EJ	234	W4KXY	KE5RV	KL7NO	N6NU
YV1DIG	CT1EEB		W5JMW	N6UK	N8SYF
	KE6FCT	226	W6DPD	WQ9T	NR0Q
242		AF5WN	W7ZSL		W1RM
K3WW	233	N7CNH	WB2WIH (FN20)	209	W9GFB
KA3TCC	K1AFC	N8UR		AA4IB	W9VOB
N8LRG	N3AIU (DM45)	NM5S	218	N1TQ	
WA8MCD	N9NJS	W0VX	K1XH	W0PPA	202
	VE7VZ	WQ6Q	KB8KVJ	W5WGF	K1BZ
241	W3DF			WA4NFO	K5GJR
W5LO	W8PAT	225	217		WC7X
	XE1L	AC9O	ND4V	208	WF8Z
240		K9QJ	W4DEE	AI2N	WQ5W
AB5GU	232	KF9UG		CO8DM	
KG5EIU	AE4WG	KX9X (EN50)	216	KD5HIO	201
KI0HA	K5FO	N2WSY	K7RB	PV8ABC	AA7WB
KK4ZUU	KL0S	N4SV	N0IS		KC5FP
KO6LU	MD0CCE	W8AKS	NE1F	207	KO9V
VA3HP	N9NJY	WN6W	W5RWF	JM1SZY	KR0I
W1VT	VE6TA (DO33)			N1BCL	NN0K
WA2VJL		224	215	N8NJA	WA1MKE
	231	JP1LRT	AL7OC		WA9ASZ
239	K4MIJ	K3FRK	K2SX	206	XE2N
F4BKV	K6HEW	WA4YA	KI5FJ	AB0CT	
KF4LVF	KF6GYM		N6KW	AK4Y	200
W6RW	W9XT	223		K9YC (EN61)	4A2MAX
W9YOY/M		GD0TEP	214	KB0LYL	N5AO
WA3SEE	230	K1GJQ	KB9PJL	N4ST	N9AG
WB1FLD	JM1IGJ	K7UA	VE3SYK	NA5Q	NA5C
	K1ZE	NJ7A	WA7AJ	PV8AZ	VA3VU
238	K5DTC			W4EJG	W1AW
AA3GM	KO4MM	222	213	XE1J	
N9JR	VA3XJ	K0YY	KI6X		199
	WB0WAO/8	K2TV	W0NBC	205	JA8ISU
237		K3AJ	W8RD	AF4OD	K4GHS
K3KO	229	KA1LMR		K8SD	N3KfV
K4QE	K6RG	KD4K	212	KE4HOA	NJ8J
	KB9RUG	WA2BOT	AB5C	N5ITO	W0BNE
236	KD5IKG		K6TDI	N9ATF	W4OEP
K0SU	N4NX	221	KF7NN	VE3MSC	WB0YEA
K4NK	NN5DX	K5WMH	N2OA	W8QID	
KV1J		K6CQR	N5PA		198
N3FTI	228	N0PSJ		204	AC8TO
N9ATD	K5RUS	N4ION	211	IT9IPQ	N0UK
W5AJX	K7HSJ	N5UWY	K8YC	K9MQ	N7EPD
W9OO	KF2ZQ		K9FOH	W5LUA	NX0I
	N8AIA	220	NE8S		WA7KYM
235	W5HEZ	HC1BI	VE3SMA	203	
ND0C		K7BTW	W5HNK	K0VSV	197
VO1GO	227			K3DFL	K3EGE
WB6RJH	JA1UAV	219	210	K5HYT	N4BAF
WT2P	K8ZT	AI9L	K3MSB	K5LOW	W5CTV
WZ9W	KS9A	K2RKJ	K9YC	N0HF	W9TD

196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	189 KC0MEA WA5VKS	N0UBL W2UDT	W0ZY W1MAD WY7FD	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	W0RIC
195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK W8GJ	188 AD7KI KD4HLG W4AZR W4HFZ W6AER WA7VHF WU9Q WX9M	182 AJ6T DF3CB FP/KV1J K5GMX K8WK W2CCC	177 AG4ZE K2QQ KI4BWW SM7FJE W5ZG WA8UEG	170 K5DB K9TVG N4GBK N8CN NA2U W4IHI W4JKC WK3V	164 K5VWW KD0UHN KF9US W4CSW WK7G
194 K2MRK N3FA N9NFT WF1H WK8A	187 JF8QNF KD3HN KQ0J N1SV	181 AB9FN K4CMS K5HDE KB8YKR N3XJX NY0A W2ZDP W4RBO W9BS WJ1B	176 AD5ZA K0DI KX9X N5QGH NP4BM W5AFD WA5IPS WW2R	169 KD5OMJ N2BEG N5XES N7PHY VE3HHT W8KNO	163 K2JF K2YSY K3EA N5XZ W3TW
193 K7PT K9AB	186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH NI3K W3SZ WA5RR	175 N7LAN PV8BR	168 KG5ZMQ W8WEJ	162 AF4GK K0QB KA1R KD4TDI W9JJB W9VS WA1Z
192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	185 AD6W K2WJ KD5BQT KU4UC N2YU NA2R PY5CC W3OU W5BPT	179 KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	174 K3MD K4IJQ K6WRL KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1WB) NA6O W3SO WA2PNI	167 K4MQG KB1YNT KE5EP LU4FW N0NHW NO0T TG9ADQ W1BAT	161 K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG
191 K0ITC K3HPA K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q K0DEW KB1HY KR4M N1IBM N4BG	178 JR2HCB KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VA2CY VE3NRT	173 K2ZZ K5YPV KE4SCY XE1YY	166 KC2GHT N5VU NC4RY VA3WEB WB4KXS	160 K5IQ N4DTF
190 K5ER KC2DLD N9UA W1ATV W2OO	183 K5RQ N0FJP N0PB		172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT N1JFU	159 K2SD K4MZ NS7B W1EME W4TTO WB8NUT
					158 K8CR KI0D N2CG
					157 4O3A K4FX

KB8GC	N9LAH	144	W6DQ	WB8BZK	W0PHX
	NE6I	K0TLG	WA4KXY	WW2DX	W2LES
156	VE3OAT	K5TDW		XE1H	W3FEY
K2KJ	W7APM	K6JRA	139		WA2SEI
KE4UW		K8MN	CT1BWU	134	WB4YDL
N3RN	149	K8WU	IZ8FFA	AB1NS	WW5W
N9KO	AB6CF	KA8SYV	K1DT	AB4GE	
VE7VDX	K4SAN	N9DI	KC7JPC	BA4SI	129
	KK9H	W5MPC	KU0G	C6ABB	8P6ET
155	WB4VHF	WO7GI	N3FX	HK3W	JF4VZT
K3TD			NA2AA	KE5FXE	K0KD
K6XN	148	143	W2PD	N3AIU (DN70)	K5QWO
KK8MM	AC0DQ	K0KVR	W4OV	N8GOU	KC8KSK
N7AU	AG0A	K6JBH	WA5TKU	W4TKI	KF4NEF
N9OBE	G0OIL	K9QFR	WB2JIL	WA3WZR	KM5LY
TG9ANF	K0RU	KB8RJS	WY0V		KM5SC
VA3NQ	K7IU	N8URE (FM19)		133	N9WBR
WV8DX	K8DV	NA1VT	138	AE4M	NZ6N
	KB2YSI	W0HNM	AC0XY	KA5ETS	
154	N0TM	W0UHL	A16O	KC1RET	128
AE4NT	N5ZBI	WB0MMC	KD7WPJ	KE1VT	KC7QAG
KB9VMW	NY4I	WM5H	KE0A	KM8V	KJ6SDF
W3ZQN	W6VNQ (CM88)		KE3D	N7T	KN4DMN
	WB6RAB	142	KE8RO	W0RT	W0WT
153		NA2X	KQ4KX	W4GE	W5ZO
AA4NC	147	NC4VA	N3XH	WW7Q	W8FR
AB4GG	AF6AV	W5SWV		XE2O	WB2WEO
JA1OVD	IZ1LBG	WS4V	137		WQ7F
K7AD	K6PSP		N1SZ	132	
K7ZD	KC1BUF	141	N5JGK	AB3CV	127
KW0A	VE3CX	K4AR	SM7AED	K5VG	AA9RK
N1OFZ	W4YCC	K9ATX		KW4G	K3GYK
N2ADV	W5WOX	KT8TD	136	N4PPH	K7UV
N6DHz	WA0VPJ	N9FIV	K0XXX	NE1I	K8AC
W3DQS	WA3YGQ	W4FS	K4SX	VE3TM	K8OS
W5FI		W4POT	KC5LK	WN6K	KB3OZC
W9ILY	146	W6ZI	KC9AXZ		KB9TLV
WB5ZAM	K8YTO	WB9WHQ	KJ5RM	131	KC0RQH
	KB0YH	WR7AY	KV1E	K3NAT	N2ZA
152	KB5ZEA		NO1R	KG9R	NO8D
N1NUM	KC2TN	140	W2JCN	N2CJ	VE2JWH
N2WM	KM5TY	AC5DK	W4AVV		W1FLD
NU1T	N4HID	CO2WF	W7UV	130	WA6BIL
UT7QF	VA2RC	K1UO	XE2JS	AB0X	
WO4G	VE1VOX	K7SAM		AK8CW	126
		KC0MEZ	135	K0GUR	K6XC
151	145	KC8TMU	CU3EQ	K4JKB	KJ7G
KO0Z	KD7YZ	KJ4KVC	K4MWB	KC4NX	N0BDS
W1ZT	V31MD	N1EN	K8ZIZ	KE8RJU	N7DGI
W2DXE	VA3TTX	N3VOP	K9TF	NG9R	WB4HUC
	WA4JA	NJ0U	N4DB	PV8AJ	YL2AO
150		VE3KY	N8XE	VE1DX	
K1EP		W4TUN	W6BXQ	VE2TZT	

125	N5HYV	KF6MXK	WO2C	109	WB4PPW
AA7DK	VE6PY	KI7BP	WX4US	AK6ZZ	
K3PU	VE7JAC	KT8X		IW1ARB	106
KC5DRI	WD0GTY	KW4BY	113	K2DSW	K0MEI
KD2NF		N1QDQ	AB4PM	K2JGL	K5BJW
NT7C	121	N3JNX	AD5MD	K2OO	K7BWH
W2AJM	AE1P	N5EIL	K3DQB	K5DNL	K7JE
W3UQH	K0MFI	NZ1I	KD4BPZ	K9GY	KB0TIJ
WA6POZ	K4HBI	W2AC / WB2ABK	KD6VCD	KE6GLA	KC7ICM
WB4OMM	KB2WAL	W2AC/WB2ABK	KM5OL	KJ6CA	KE5JXC
WE1P	KB5MH	WB2KSK	N3JDQ	KZ7N	KJ6MBW
	KE4JFS		N4YCI	N8TMW	KK2DOG
124	NE0P/9	117	N5YK	N9TTX	N0RQ
K0DLW	UR0MC	AB5J	W0BM	NN9X	N1USB
K8VA	W8DN	K4WS	W8MSP	VE3AAQ	N2IPH
KB0HH (EM06)	WB9TFH	N4USG	W8VW	W0YJT	N4CE
KD5FTD		N5JEH*		W1OP	N5FPW
KM1C	120	NU6V	112	W4ZRZ	N5YHF
KT5MR	EA1YO	W6WE	IK7EOT	W5MPC/1	N8HM
N0SL	K2CYE	WA1TBV	K2MLS	W7RJR	N9XMU
N9AZZ	K4CGY	XE2PXN	K3GD	WB6YIY	VA3OKG
PV8AAS	KD0R		K5WTA	WB9W	VE3AJY
W0PE	KD4MZM	116	KA7T		WB6VYH
W1TAM	KD5BRF	K4RGN	N5HMH	108	WQ9F
W7YM	KE4SCY (FM06)	KI6QDH	W1TR	CF3VRQ	
W9CDL	N3YPJ	KU5B	W5DQ	HB9BZA	105
	VE1JC	N0VR	W6OAT	JA9IPF	AC4Q
123	VE3XK	NO0B	W7IV	K5OPB	K4SJA
AC7AF	W4LVH	W0DHB	W9PN	N3MWQ	K9MAL
K9SM	WA6RAY		WA8TWM	N5DD	KB3JGS
KB0GT	WB0WAO	115	WX3P	VE3SUB	KC0JYT
KB0STN		K9MMS	XE1GK	VE7IG	KC4KK
KG6DHQ	119	KE6TVM		VY2RU	KF4DGS
VE3TG	K0AWU	KF0QS	111	W4AMP	KJ7TH
W1HS	K1ZN	KM5FA	N0SLT	W4CRN	N4NQY
W3SE	K2SQS	WA3BZT	N8IK	W5AAJ	N5SAN
W4DFU	K7JIZ	WC7V	PC3T	W8EH	N7YY
W4PRZ	KF7PCL	114	W8GBH	W9VNE	NE9O
W5EWF	KP3V	AC8HU	WZ8P	XE1R	PU4JOE
W7MHW	KT0P	JA3LZS			VE3VRQ
W8BI	KW7N	JR1BAS	110	107	W8MIL
W8KHP	N4UPX	K2RET	K5KR	G4BWP	W9RVG
WA8WV	W0QC	K3RTU	K7LD	JA3EGE	WA4MYO
WB2RVX	W4SW	K9AAN	KD5J	K5UIC	
	W7QQ	KC4GCK	KI0F	KF7PG	104
122	WI4T	KG9Z	KP4JRS	KI9A	AB9YC
GM4UYE	WM9M	NF8M	KQ4LA	KK4LUM	AC5K
K7AED		VE1WOW	KX5U	N3TTT	AC5RN
K7OGW	118	VE3IRR	N5TIF	N9OI	AC9QR
KA9JAC	J68AS	W2JLK	N5YM	NF0T	IK4DRY
KB4UF	K4AZV	W4ALF	W5DM	US0KW	K5PPP
KB5WFE	K4MSG	W4UFO	W7JET	W2ODH	KB9RNO
KC5UGX	KA4LBD		W7UP	W2TTT	KC2TR

KD9GKL	KC8DMN	K9CC	NS2P	K0QEI	KI5TE
KJ7OG	KD8NYO	KB9ZLB	VE2HAY	K0SH	KM2O
KM6WXB	KE1AU	KC2HLI	W2HOG	K0YQ	KM5NU
KO4LZ	KJ4M	KC8CC	W2VU	K3HZO (FN20)	KS4V
N0STP	KR5V	KC9CMT	W5JLC	K4GTR	KT5RR
N1LDY	N1HOQ	KD3SW	W6TJU	K4JQU	N0WVU
N2FBQ	N5RMS	KE5CVM	WA1LAD	K8XF	N2LID
N3UPS	VE7ZD	KF0Q	WA5TRX	KA2BSK	N2VHZ
N7AGF	W4RVZ	KG5X	WB5NHX	KA7EII	N2XK
NJ1H	W5DPT	KJ5OA	WB7VVD	KC0YBM	N8PAQ
VE2PIJ	W5OV	N3TBB	WK5X	KD5CKP	N8YBY
W1TE	W7UT	N4NIA	WW2R (EL09)	KF4KSN	NT2A
W1ZE	W9NFL	N5XTR		KM4NYI	NW5Q
W4KVS	WA8EQP	N7EME	98	KT5WB	NY2Z
W6ZQ	WB5FDP	N8COP	AC2RL	N1VMJ	VE2DCP
W9MDB		VP2MRM	AD8Y	N3UMA	W4KK
WB2VUO	101	W2CH	K0KC	N4BH	W4TMR
WB8BZK/VE3	AE7V	W4/KL7GLL	K0UD	N5OTY	W7JHS
	K0RAR	W4OZK	K3IXD	N6MA	W8DM
103	K0SBV	W8BZY	K3QIA	N9APK	WA3EEC
AA5CK	K0WJ	W9DQ	K4OP	N9IO	WB0M
AB0YM	K2NUD	WA5TLP	K5HOB	N9KY	WB5KJE
AB5SS	K5DWI	WV9E	KA1EKR	NK7C	WP4LNY
K2OY	K5HX		KE4LGL	NU0Y	
K4MVL	K7SYS	99	KG4YOU	VA3FIN	95
K8ZEE	KB4KBS	AB0SD	KG7E	W3QT	AE0G
KA1W	KC6AWX	AB3TM	KJ2G	W4CWA	AE5EO
KB0FHP	KC8CSD	K0YO	KK0CQ	W4DAS	K1PNQ
KB2SGX	KG8WB	K4KEW	KY0Q	W4ID	K4ED
KC9FFV	KG9IL	K4WQ	N0JJQ	W7DN	K8KFJ
KF0AIJ	KR4WM	K4ZO	N1JHJ	WA6OSX	K8ME
KF4DVG	KR7LD	K5VPQ	N3LRP	WA9LEY	K8VD
KR4NO	N1IX	K7DD	N5TEY	WB8RVK	KD7WH
N0YXE	N4AOE	K7PAP	N8AID	WB8ZTV	KD8DR
N1JIF	N8VEA	K9ZZE	NO5X	WB9PNU	KD9ZR
VE7DXG	N9DVS	KA0ZEE	NO8R	WE8L	KF6XA
W0TF	ON9CMR/W0	KC2IEB	VA3VF		KI0SK
W3LEO	VA2LGQ	KC6X	W2KRP	96	KW9U
W6IT	W4LLP	KD4MWO	W6TE	AD5OW	N1XK
W6XU	W5KBD	KD6RUH	WA2FGK	AE4TQ	N2SLO
	W7ISG	KR4UA	WA3TLT	AK4F	N2WLS
102	WB8IMY	M5MYH	WB1GQR	K2UF	N3WAV
AA9MY	WD5IYT	N4FV	WB2YDS	K2UNK	N4ET
AB8JH		N5OHL	WD0E	K4EQH	N5BLY
AD6KH	100	N7HRT	WH6LR	K5CRJ	N5ENU
EA4DEI	AC0FT	N7JPF	WT5H	K8EMR	N5KI
K0HAQ	A12S	N7TE	WV5Y	K9OT	N9IV
K3HW	A19U	N8GHZ		KA2NDX	N9LJX
K5VR	K2UA	N8YV	97	KA3HED	VA3KS
K9AM	K4UQC	N9MKC	AB8M	KB5GI	VA3PZ
KA3ZLS	K5GM	NB5R	AJ9C	KB8PNS	VE3KZ
KB8CR	K5KV	NH6CJ	K0HB	KC0HBP	VE3SPW
KC6WFS	K8IJ	NI5W	K0JQZ	KD6PY	W4YZJ

W5ADA	VE7AB	W6IA	K8OI	W1HMM	K1RS
W5CBF	W2GR	W7EIR	KB2YWU	W9CPV	K3TN
W5RCQ	W3IPA	W7TRX	KB3NDS	W9CSY	K4XD
W7JWC	W3TA	W9IFW	KB7AZ	WA2BEV	K7CTV
W9SX	W4LNG	W9NED	KC5POV	WA8OJR	K7WV
WA2ONK	W5ODD	W9WI	KC8LGL	WD9HCF	K7ZYV
WA3I	W5PUF	WA5ICA	KG4QWC	WE7H	K9JF
WA4WR	WA7LHZ	WB5CON	KI3O	WEST SEATTLE	KB2KIR
WB2SIH	WA9BXB		KI5BLU	WH6LE	KC1GWX
WD8DOT	WT9U	92	KM7N	WT4C	KC3MLC
WS4S	WV7S	K1EY	KM9I	XE3/K5ENS	KE7RTB
XE2AT		K5GDX	KQ6K		KE8UM
	93	K5TDA	N3PPH	89	KI2D
94	AG2A	K7FU	N3WCM	AB1TZ	KI4RFM
AA4RP	AG6CV	K7HKR	N7CZ	AG7NR	KJ4KW
AB4VT	AI8F	K7UWR	N8DEZ	G4NBS	N1CEO
AD1DX	K0IW	KB0PQP	NA7L	JQ1TIV	N2MKT
HK4SAN	K1PTF	KC4JNW	NR4J	K4BMM	N2ZN
K3BEE	K1ZK	KD4QMY	NU4N	K5CX	N4CAG
K3TUF	K2AK	KE4WBO	OE9KFV	K5JAZ	N4GN
K4JRK	K2MTS	KG4URP	W2SUB	KA0MWA	N4KIN
K4LDC	K4DAM	KM3V	W4MLN	KF4TVL	N4UC
K4YJ	K5TRI	KR7X	W5KDA	KI0G	NS3X
K8GT	K6RM	N2SG	WB0NRV	KI4FW	NT4TN
K9DOG	K7IP	N3GH	WB7X	KI4US	VE2VLJ
K9SUL	K7TRK	N4VN	WC4V	KR4U	W2BZR
KA2F	KB0USF	N5QO	XE1GZU	N2GZ	W3YX
KA9UVY	KC5TGT	N6RPM		N5KAE	W4DL
KB7AK	KC5TT	N7DED	90	N8YSZ	W4RXR
KC0AUY	KC9TTR	NS6E	AA0LM	N9RG	W7HDD
KC3AK	KC9UL	UT5JAJ	AB4WL	N9UDX	WA2BTR
KD4VRZ	KD0QG	W1PV	AB9DU	NE2U	WA5MD
KE3WM	KE6AZX	W2ACY	AF5BG	VE3VCF	WK3N
KF0LA	KE6UMW	W2CVW	JH4JNG	W0HRO	XE1SOV
KG4NLZ	KE8RPJ	W3ACO	K1HC	W1HY	
KU4JZ	KI0J	W3HZU	K1KA	W2JEK	87
N0LNE	N2BX	W4BP	K3CWF	W2OK	AC0A
N0LP	N2YTF	W4LIA	K3UAL	W4ZMM	AG4I
N2SU	N3AO	W6NS	K4AAP	W6VNQ	K4JC
N3JBH	N3ZBK	W8JV	K4FTP	W9HT	K5UZ
N3XBG	N4GOA	WA3JKB	K4XZ	WA7SDI	KC8NAH
N3YUG	N4YHC	WA4EEZ	K8EAB	WB3IAL	KE6WOX
N5ZMP	N7EGY	WM3O	KA5TJI	WM6Y	KI6RRD
N6HY	N7JI		KB5FHK	WQ5C	N0ELA
N6MXU	N7KSI	91	KB7BSA	WR5AY	N2CJN
N7NH	NA9D	AA0CW	KK4DZP	XE2NL	NA5DX
N7UN	VA7QI	AD3Y	KW3DX	XE3DX	NE5S
N8WWM	VE3WMD	AE5AU	N2ULL		NI5F
N9DD	W0MHK	CO2WZ	N4BRF	88	NN7RM
N9UNX	W2VTV	K1UR	N5BA	AA4QE	W8GOC
VA3MA	W3ZGD	K4SPA	N9JJ	AE0DX	WB3IGR
VE3RX	W4GPM	K6YK	N9MSG	AE4OF	WB8JAY
VE5MX	W5DMT	K7HPN	VA3XOV	AF4MI	WF4W

XE1RBV	W8SGR	79	72	62	KI5KC
		K4RW	AB1QB	K4DXA	N6DBF
86	83	KP4N	N4II		N8MR
AG1T	AA6E	N2COP	PV8ADI	61	NP3IR
K2GW	K1LH	N5YJZ		CU3AN	SP5QWB
K7FB	K4SQC	N9RC	71		YY4DNN
KA9OKH	K6JJ	VE3CFK	IC8TEM	60	
KI6HQT	K8SIA	W2GW	K0GW	KP4JFR	47
KN4MMH	KB3HHA	W2SKI	K4GK	S55DX	HB9RYZ
KP4TB	KB9LIE	WN0L	K5WPN		
KT1R	KK7BV		W2YR	59	46
N2NF	KU4WW	78	W3FGP	OE6IMD	LU2DX
N3MVF	TG9AKH	K2QPN	WC5M		
N8TFD	W7USB	TG9AWS		58	45
NZ3O	WD6T	W4NE		HB9BIN	JA6WJL
VA3MDB	WD9IOK		70	KC6NBI	K4TXJ
VA7LM	WI6Z	77	GI4SJQ	SV8CS	
W8IW	XE1MM	K1IFJ	K4BNC	WA2MUA	44
WA1PMA		MI0AYR	KC0ZRX		DL5XJ
WA4USA	82		W2LV	57	XE2YWH/1
WB4GCS	AD4IE	76	W2QO	HL2EIZ	
XE2AU	KC5YKX	K0WYN	W4GP	N5LJL	43
	KG4KVZ	KI4CYB			8P6SH
85	N1SF	KI7WXP	69	56	CT1EEN
EI3IO	PU8TEP	N1GNB	K3WGR	EA5BY	K4ZIN
K1UU	W5DAS	N2MH/4	WD4LBR	KI5WA	SV2AEL
K4LRP	W7YOZ			LU8ADX	
KB3MXK	W8GG	75	68	NI6T	42
KC0V	WA2ONG	G4RGK	AA4S	UX1UA	TF3JB
KE4DRF	ZS6NK	K3PP	EH7CD		
KK4AND		K8QM	K6CF	55	41
N2RJ	81	N5GH	KW4OV	LA3MHA	K0BBC/R
VE3GFN	AB4I	NP3YL		US5WE	
VE7DAY	IK8YTA	NX7U	67	WA2EMF	40
W1WV	KE4DZU	W5UC	W7YED		E75AA
W3STU	KG4ERR	WP4NEG		54	JF1LMB
W4IT	N6MM	ZL3AAU	66	AG4KI	JR0QFA
W4RA	N7NEV		K6KLY		WB8TGY
W6ST	NI4Y	74	KK4YEL	53	
W7SIR	W3MC	AK8B		K0BBC	39
W8DQ	WA8ZNC	CX4AAJ	65	PP1CZ	AA5PK
WA4WKL	XE1EE	KF2TI	JA1XEC		
WD4LSS		LU4FPZ	K5EJ	51	38
WF4R	80	TI2CDA	N7UJJ	CT1ETE	DD3KF
	AC6BW	VE6SO	OK1MP	N8OFS	DU1EV
84	KE4PT	WC6DX	W4CCS	VE9FCP	G4FKA
CT3FT	KW1DX				IZ8EDJ
K4EZY	N2NS	73	64	50	K8YSE
KE6NDG	VY2HF	JF1IRW	JG2TSL	JL3MCM	
N1KI	W5TTY	VP2MJD			37
N2NWS	W6TCP	W4WT	63		JA9APS
VE2WBK	W7AM		EA1DR	48	
W8PU			KB0RFY	G8BQX	
			SV1RK	JA9KRO	

36 HB9RUZ JH9DRL	26 HL2WA WB7QXU	17 G3LZQ OE3SGU PY2XAT W0JM	JA2KVB PY2DV PY2GM SP5XMU	HB9GWJ JE1LFX JI5USJ JJ1IDW KB8VAO EN91KT M1VPN MU0GSY OH4UI ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ	YL2MU 2 5B4ALJ 7J1ADJ 9A2GA 9K2NO BV6CC CO6CBF DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL IK1IYU IK2GOQ IZ8XQC JA6AVT JA6SZV JA9FAI JG1JPE JI2UDK K7LY KEN IN NEBRASKA LA2CQ OH3KAV SV1XV SV3FUO YB2DX YL2KF
35 GI4OWA LU9DO	25 EA4/K1WE HB9EFK	16 N6VHF	10 DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW		
34 BA7NQ G4SEU LA2QM	24 EI2JD KS4YX ON6AB PA7TWO	15 9K2BM EI2GLB HL4GAV JR3UIC LU5FF PY2RN UT3UA UX0DL WC2C	9 DL7BA EB1EWE EC7ZK G6BFP JA1MZL KD3UY	4 DL1TS F1DFR IV3GOW JH7IPR JK6DXD S51NM UT5EL XE1SAX	
33 HL2IFR UR5WA UR9QQ W8GC WB4SON WB8TGY (EN72)	23 GM4ILS HB9G JL1UXH K4SLC KP4EIT LA6OP W8MK	14 HB9HIT JA2XCR KB8DVT PV8RR PY2OC W9TTY	8 DK2LO HB9ALO JA1CPU JA2FGL JE3PCP N8RO		
32 N3LRH N6PAZ NP4TT SM6WET YL2JZ	22 9H1SP IZ3ENH			3 DJ5AV DL2KQ EA1AR EA4D F1RAF G3LHJ GM4CFS HA9PP HL2ZN IK0WRB IK3ITB IK8EPC IK8GYS IW3GJF JH7IMX JM1GHT JN1BPM JR6IQI OK1IN PY5IP SA7CJO SV1VN W1CBY WD9EWK (DM43) YB1TJ	
31 HA5PT	21 EA1YN	13 K4WY PY2MC W4PWF	7 G8APB IZ0INX JA2NDQ LA3DV N5ORT NJ4Y ZS4TX		
30 E72X JA1WSK JO7WXN WA6DNR	20 CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA	12 EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB	6 CT2FEY DH0GSU DL1TRK EA8MT EI2JC HB9FMN JA7NGE JJ2NWI PY2VA		1 3A2MW 9A2EY BD4UJ CT1AHU DH8BQA DJ3ZF DL2DCX DL4ZAB EA3WD EA4GQS G4VSS G6MXL G7SQS G8TTI IK5BSC W0AFS IZ0BTV
29 JE1VTZ OE4VIE		11 A65BR DL2OE EA4DAU EA4ZK F4BDG G4CTY IZ4GWE	5 DL5LH EA1AAA EA7ZY		
28 CT8/K0RUI JA6CRP K0FMI OH3DP	19 EA6BB JI4WAO PY2HN SP8NR				
27 IZ4DPV JL3LSF KC9ELU NL7CO WP4NIX	18 AJ6V KJ4EU W0HBH				

IZ3DBA
IZ5FSA
JA1GZK
JA7VXB
JH8XVT
JL2ULM
JN3ONX
KC3KJQ
KG4JSZ
KH6WI
KP4DER
MM0INH
OK1UU
ON6NA
OZ1IKY
SM3GBA
SM6LPG
SQ5NRY
UN8G
UR5EDX
VR2VGM
WB7VUF
YL2CA
YO8WW