

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 (13 May 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	W5ZN	474	462	446
AA0MZ	W5OZI		W6XK	K6ZH	K6EID
AA5AM	W7GJ	483		N6ORB	NV4B
AA7A	W7JW	AC0RA	473		
A15I	W7KNT	K1USA	N5WS	461	445
K0GU	W7MEM	K5ND	NQ7R	NA9RB	KU7Z
K1TOL	W9FF	W0VTT	WA7HQD	ND4X	N5NA
K4PI	W9JN	W5AJ	WB0O		
K5RK	W9RM			458	444
K5UR	WD5K	482	472	KG5THG	N7BAV
K5WE	WQ5S	W5VY	A11K	N9BCA	W4DR
K7CW	WS9V		KB7ME	WB9CIF	
K9CT		481	N4WW		443
KA9CFD	487	K0TPP	WD8JJA	457	N4MM
KA9FOX	AA5C			VE3EK	
KD5M	K4XO	480	471		442
KG5CCI	K7MAC	N7KA	AF5CC	454	N8OC
KM0A	K7TM	WB0ULX	WD5COV	WE9R	
KO9A	K9YY				441
KR7O	N0AKC	479	469	453	K4XP
KV5W	N7CW	AD6D	K7BG	K4YMQ	
N0LL	N7IR	W5WVO	KM0T	N4JQQ	440
N0LWF	N7NW	W9VHF	N4TB		AG9S
N0TB	N9ISN		N7ZO	450	K8TB
N1AV	NA6L	478		AJ4F	W2IRT
N3SL	W9XX	AE5B	467	K4SO	
N3XX		K5GZR	AD1C	N5EKO	438
N5DG	486		WO7R	N9BX	W3LPL
N5OMG	KY7M	477			
N6JV	N0KE	W9RN	466	449	437
N9LB		XE2CQ	K0BJ	K4MY	NY0V
N9UM	485		KA0JGH	KF6HI	XE2K
ND0B	K5XI	476	KB6NAN	W8TN	
W0FY	K9MU	KC7QY	WX7M		436
W0JW	N0POH	KC7V		447	AB4IQ
W0LGQ	W3IP	XE2OR	464	K4HB	K7PI
W3CP			KB9OWD	KS7S	KD3CQ
W4UDH	484	475		N4SC	W3TC
W5ADD	K0SIX	KX4R	463	W3UR	WB8ART
W5AFY	K1TO		N5KO	W5EME	
W5FF	K8SIX			W5XC	

435 K9KLD KF6A	423 W5THT	410 KE7SW KI8G	KF7CQ	VE3YXO	367 KR4BD NT9E W7YAAQ
434 NE1B	422 VE6WQ	409 N4HN	393 K7XC KK4MA W4TV	381 W3VZ	
433 N9FN W9WO	421 K8ROX N5TJ N9PGG WB8ZBT	408 W7BA	392 AF4HX K7SMA VE4EAR W6OMF	380 AB4SF K7MCX NM5U WA5LFD	366 KI7JA N4LR
432 K3SX K6GXO KB8VAO EN91P W5TRL	420 K4ZOT E3LYC WB8BPU	407 W4AS W5CIA	391 W4AVY XE2YWH	379 N8WNA	365 K4JJW KG7CW KZ2I WB4EVH
431 K0TLM K1HTV N2QT	419 K7NN KB9DAK W5AL XE2X	406 AK3E K6FG N9EAT	390 NA6MG	376 AA5JF K8VFX N2WK	364 AA4ZZ AB5EB N6QQ
430 K1TEO KF8MY NI0G	417 AJ4A	405 AA4SC K5CKS	388 K0IP W4WRL	375 K6QG WB4OQX	363 W4NH
429 K1SIX N4QS WA5JCI	416 K4RWP K7ND	403 KE8KMX NH6T/W4	387 KV4T N4CH	374 N1EVK N6GP N7DB	362 WA5OLT
428 K9APW KP4AJ N4TL	415 K5OMC K7AWB KO4MA N5SYV W0GJ	402 K3FM	386 N7IJ NN4R W5TFW W7AH WE4S	373 K4SSO	361 AG4W K8BL K9NR N7MB N8KOL NE9U NG4C
427 N4QWZ W3LL	414 AH0U K7KQA W0GN	401 K4CKS	385 KF0M NK1K VE6MB W4WTA	372 W5MO	360 AA4FF K6UM (CN85)
426 K8ZR N5OK	413 WA9LFO	398 N5BO N8IEZ W1NG W5JAY	384 AA1ON K1GG K2TER K8ROK	371 WA6BYA	359 WR7X
425 WA1EAZ	412 N2NL WB7CJO	397 K5RT	383 N4UFO	370 K5TN KN4SM KS4YT N3MK NT0V	358 K5RLA N3OC
424 N4UFP N9AKR W3EP	411 K9MK	396 KB8U	382 K5PI K6VHF	369 KF8UN N2DPF	357 JA7QVI K4LVV KV7K NI0P W5PR

355 KC4HW N2ZX WA9DU	WA7YAZ	N7KDT VA3IKE W9GM	W8KEN WW0E	312 AF6O KA2GOJ WA1NLG WB3LHD WO2T	301 N0HJZ N2ZZ W9OBG WB0TVY
354 AB1OC K0DEQ	340 N0AN W8LMG	331 K8WDA N4MW N6KZ	322 VA6SZ		
353 AF2K K0CS K8EB	339 KE4BKL N6KK VA7FC W5VAS	330 KB8MBC	321 N2JJ NC7B NS4C W9VA	311 AB9BH KM3T W2BZY W5DB	300 AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S
352 NZ3M W0KKK W1JR W7FI WA9PWP XE2ML	338 VE3SXE WA5KBH	329 KC0UDO W1DYJ W2OR W8WG W9XA WX4G	320 K0VG N4DW	310 AA1QD AA8SW NG7M VA2WA W9KVR WO4DX	299 VE6WK W1LE W5SUM W8UV WB5GVY
350 AA4FL K7XB N6VI	337 K8ZES WA5RT	328 K6ME N3RC N5PT NK0S W2CNS	318 N3ALN W4HY W4MAY	307 KE5K KS4S W3ATV W9RPM WB4KTF	298 KD4WSC N1NK N4IQ
349 K8JH KA0BAD	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	327 AC9DX K6EME KJ5RC N0YO NU6S W9DCT	317 VE7BV W1SKU WA7PDC	306 K6RO K7BV VE3XN WV9L	297 N8YQX N9LF VE1JBC
347 KT8O			316 K3FN KA0ABA N1KDO W4UCK W9BWR	305 K6UM (CM88) KF2T KT1J WA9M	296 K6YUI KC7RW
346 NY1V	334 K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	326 K2ZD K6LMN W7JLC	315 K5VH KG6AY NY2NY WF7T		295 KE4P N7NT W2HRO
345 N8YO W3XY		325 WA2AEY		304 K6IPF W4FC WA0GUD	294 K6JSV N8HRZ
344 K6FW KB0PE KG8P W1OW	333 FG8OJ KM4HI KN4NN N0IGZ W3GQ	324 K9SH KU4A N2BJ VE3TMG	314 KB0V KU4XO	303 EA8DBM K8TGC K8TL	293 K3AX K4KJZ N4JJ N4MI W2GKR
343 AB4EJ K5EK		323 KI0E N8II NJ6D	313 K0TC N6NR NF4A W4GLV W5RKN	302 KB2TGU W3TI	
341 KD7DCR	332 AA7UN N4JDB				

W4VC	282	274	W9DRB	VE6BMX	250
WA2IIE	AA0ZP	K2UU		W2JU	AA9LC
292	DK8NE	KB1DMX	266		K0CCM
KJ6P	K5TA		K1OA	258	NW6R
W1SSN	N0GZ	273	K1WVX	K1BD	
	N8JCM	KM4H	KE8Y	K2HAT	249
291	W4WM	KV1J	TG9AJR	NA2NY	K8AO
W1WHL	281	NA5Z	WB8EJN	WB7ECS	KL7HBK
	K4OY	WB0OQV			KQ5U
290	W2YE		265	257	N1GC
WA8EFK		272	N5KS	K2KA	
	280	XE1AO		K5QE	248
289	AC5D	271	264	KD4MYE	CT1IUA
K4MM	N0KV	K4NNX	AC8L	N5DTT	K1ZZ
K9FA	NM5Z	K7NII	K2BLA	PY2XB	W6VFA
N5BCA		KB7FUV	K4JAF	W7CT	
NQ7G	279	KD5XB	N0TK	WA2HF1/0	247
W4LTJ	N3JPU	W3HHN	NF1O		W1FKF
	W0RH		263	256	W3TEF
288	W0VHF (EL87)	270	AK4PR	K3WA	W9TA
AA4LR	W3HDH	AA8MA	K1ST	N8ZJN	
HC2FG	XE1FAS	K4SPD	K3VAT		246
K1NU		KC9FQD	K4XR	255	K0DAS
N6AR	278	N2LIV	K9AAA	K8MVZ	KK8X
W1DU	AA9D	W4QK	NJ7G	KG4JPL	N5TIT
W4HLR	AJ4W	W5DNT	WB7QBS	KS4XQ	W0PR
	JG1TSG	W7JY		W0NOZ	W4FRA
287	K3JT	WZ9B	262	WA8KNE	
AC9S	N0LNO		AE5FM		245
JE1BMJ	N8BJQ	269	K3CWH	254	N1IA
N8CGY	NN1N	K2IE	ND4DX	K0PG	VA3CW
	WA4HFN	K3ZO	WA0KBZ	KF8QL	W3SW
286		KD5R		N7QOZ	WA8ZID
AG1A	277	N5EPA	261	VE3OTL	WI7P
NC6K	AC7JM	N5WD	AF2F	WD5ITW	
	K7ULS		K3TWK	253	244
285	K9UO	268	KB8UUZ	KG4ERR	AA9RR
K5CZD	NS4T	K6OJ	N3EW	N2XQM	KD8JSP
N0LD	PV8DX	KX7L			N3AIU (FM08)
		N9ZTS	260	252	N4JRY
284	276	W0KAN	JR1LZK	AB5A	VA3ZV
AB0RX	K2CS		K6JAD	K1ACL	VE3VHB
K0KP	K5TWJ	267	N6HC	NN4RR	W0VD
K4DET	K7TAB	K8DP		VE6NTT	WD4IXD
NJ2F (EL96)		KG6EG	259	VE6SH	
RETIRED	275	KX9N	AK0MR		243
	K1MAA	N2AMC	KD4ADC	251	JA1QJI
283	K2NJ	N3PS	KG6I	AD5JK	K3TC
W8OP	N4GG	N7UVH	KN5O	K1NJ	W4EJ
WA0FQK	W0FK	N8EHW	N1RR	K3NK	YV1DIG
WB0CQO	W8PI	W4FSO	NS7K	KG7NV	
	WA4NVM	W5WP	NY1E	NN4SS	242
					K3WW

KA3TCC	233	N7CNH	W7ZSL	WQ9T	NR0Q
N8LRG	K1AFC	N8UR	WB2WIH (FN20)		W1RM
WA8MCD	N3AIU (DM45)	NM5S		209	W9GFB
241	N9NJS	W0VX	218	AA4IB	W9VOB
W5LO	VE7VZ	WQ6Q	K1XH	N1TQ	
	W3DF		K4IJQ	W0PPA	202
240	W8PAT	225	KB8KVJ	W5WGF	K1BZ
AB5GU	XE1L	AC9O		WA4NFO	K5GJR
KG5EIU	232	K9QJ	217		WC7X
KI0HA	AE4WG	KF9UG	ND4V	208	WF8Z
KK4ZUU	K5FO	KX9X (EN50)	W4DEE	AI2N	WQ5W
KO6LU	KL0S	N2WSY		CO8DM	
VA3HP	MD0CCE	N4SV	216	KD5HIO	201
W1VT	N9NJY	W8AKS	K7RB	PV8ABC	AA7WB
WA2VJL	VE6TA (DO33)	WN6W	N0IS		KC5FP
			NE1F	207	KO9V
239	231	224	W5RWF	JM1SZY	KR0I
F4BKV	K4MIJ	JP1LRT		N1BCL	NN0K
KF4LVF	K6HEW	K3FRK	215	N8NJA	WA1MKE
W6RW	KF6GYM	WA4YA	AL7OC		WA9ASZ
W9YOY/M	W9XT		K2SX	206	XE2N
WA3SEE	230	223	KI5FJ	AB0CT	
WB1FLD	JM1IGJ	GD0TEP	N6KW	AK4Y	200
	K1ZE	K1GJQ		K9YC (EN61)	4A2MAX
238	K5DTC	K7UA	214	KB0LYL	N5AO
AA3GM	KO4MM	NJ7A	KB9PJL	N4ST	N9AG
N9JR	VA3XJ	222	VE3SYK	NA5Q	NA5C
	WB0WAO/8	K0YY	WA7AJ	PV8AZ	VA3VU
237		K2TV	213	W4EJG	W1AW
K3KO	229	K3AJ	KI6X	XE1J	
K4QE	K6RG	KA1LMR	W0NBC	205	199
	KB9RUG	KD4K	W8RD	AF4OD	JA8ISU
236	KD5IKG	WA2BOT		K8SD	K4GHS
K0SU	N4NX		212	KE4HOA	N3KFB
K4NK	NN5DX	221	AB5C	N5ITO	NJ8J
N3FTI		K5WMH	K6TDI	N9ATF	W0BNE
N9ATD	228	K6CQR	KF7NN	VE3MSC	W4OEP
W5AJX	K5RUS	N0PSJ	N2OA	W8QID	WBOYEA
W9OO	K7HSJ	N4ION	N5PA		
	KF2ZQ	N5UWY	211	204	198
235	N8AIA		K8YC	IT9IPQ	AC8TO
ND0C	W5HEZ	220	K9FOH	K9MQ	N0UK
VO1GO		HC1BI	NE8S	W5LUA	N7EPD
WB6RJH	227	K7BTW	VE3SMA		NX0I
WT2P	JA1UAV		W5HMK	203	WA7KYM
WZ9W	K8ZT	219		K0VSV	
	KS9A	AI9L	210	K3DFL	197
234	W4KXY	K2RKJ	K3MSB	K5HYT	K3EGE
CT1EEB		K9TF	K9YC	K5LOW	N4BAF
KE6FCT	226	KE5RV	KL7NO	N0HF	W3TW
	AF5WN	W5JMW	N6UK	N6NU	W5CTV
		W6DPD		N8SYF	W9TD

196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	189 KC0MEA WA5VKS	W2UDT	VE3NRT W0ZY W1MAD WY7FD	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	W0RIC
195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK W8GJ	188 AD7KI KD4HLG W4AZR W6AER WA7VHF WU9Q WX9M	182 AJ6T DF3CB FP/KV1J K5GMX K8WK W2CCC XE1CL	177 AG4ZE K2QQ KI4BWW SM7FJE W5ZG WA8UEG	170 K5DB K9TVG N4GBK N8CN NA2U W4IHI W4JKC WK3V	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G
194 K2MRK N3FA N9NFT WF1H WK8A	187 JF8QNF KD3HN KQ0J N1SV	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF 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
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 KD5OMJ N2BEG N5XES N7PHY VE3HHT W8KNO	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 K6WRL KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1V) 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	173 K2ZZ K5YPV KE4SCY XE1YY	166 KC2GHT N5VU NC4RY VA3WEB WB4KXS	160 K5IQ
190 K5ER KC2DLD N9UA W1ATV W2OO	183 K5RQ N0FJP N0PB N0UBL		172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	165 K4DXT KD5HPT N1JFU	159 K4MZ NS7B W1EME W4TTO WB8NUT

156 K2KJ KE4UW N3RN N9KO VE7V DX	NE6I VE3OAT W7APM	144 K0TLG K5TDW K6JRA K8MN K8WU KA8SYV N9DI W5MPC WO7GI	W6DQ WA4KXY	WW2DX XE1H	W2LES W3FEY WA2SEI WB4YDL WW5W
155 K3TD K6XN KK8MM N7AU N9OBE TG9ANF VA3NQ WV8DX	149 AB6CF K4SAN KK9H WB4VHF	143 K0KVR K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	139 CT1BWU IZ8FFA K1DT KC7JPC KU0G N3FX NA2AA W2PD W4OV WA5TKU WB2JIL WY0V	134 AB1NS AB4GE BA4SI C6ABB HK3W KE5FXE N3AIU (DN70) N8GOU W4TKI WA3WZR	129 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR NZ6N
154 AE4NT KB9VMW W3ZQN	148 AC0DQ AG0A G0OIL K0RU K7IU K8DV KB2YSI N0TM N5ZBI NY4I W6V NQ (CM88) WB6RAB	142 NA2X NC4VA W5SWV WS4V	138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	133 AE4M KA5ETS KC1RET KE1VT KM8V N7T W0RT W4GE WW7Q XE2O	128 KC7QAG KJ6SDF KN4DMN W0WT W5ZO W8FR WB2WEO WQ7F
153 AA4NC AB4GG JA1OVD K7AD K7ZD KW0A N1OFZ N2ADV N6DHz W3DQS W5FI W9ILY WB5ZAM	147 AF6AV IZ1L BG K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YGG	141 K4AR K9ATX KT8TD N9FIV W4FS W4POT W6ZI WB9WHQ WR7AY	137 N1SZ N5JGK SM7AED	132 AB3CV K5VG KW4G N4PPH NE1I VE3TM WN6K	127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N2ZA NO8D VE2JWH W1FLD WA6BIL
152 N1NUM N2WM NU1T UT7QF W6IA WO4G	146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	140 AC5DK CO2WF K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VE3KY W4TUN	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS	131 K3NAT KG9R N2CJ	126 K6XC KJ7G N0BDS N7DGI WB4HUC YL2AO
151 K00Z W1ZT W2DXE	145 KD7YZ V31MD VA3TTX WA4JA		135 CU3EQ K4MWB K8ZIZ N4DB N8XE W6BXQ WB8BZK	130 AB0X AK8CW K0GUR K4JKB KC4NX KE8RJU NG9R PV8AJ VE1DX VE2TZT W0PHX	125 AA7DK
150 K1EP N9LAH					

K3PU	VE7JAC	KT8X	113	IW1ARB	106
KC5DRI	WD0GTY	KW4BY	AB4PM	K2DSW	K0MEI
KD2NF		N1QDQ	AD5MD	K2JGL	K5BJW
NT7C	121	N3JNX	K3DQB	K2OO	K7BWH
W2AJM	AE1P	N5EIL	KD4BPZ	K5DNL	K7JE
W3UQH	K0MFI	NZ1I	KD6VCD	K9GY	KB0TIJ
WA6POZ	K4HBI	W2AC / WB2ABK	KM5OL	KE6GLA	KC7ICM
WB4OMM	KB2WAL	W2AC/WB2ABK	N3JDQ	KJ6CA	KE5JXC
WE1P	KB5MH	WB2KSK	N4YCI	KZ7N	KJ6MBW
	KE4JFS		N5YK	N8TMW	KK2DOG
124	NE0P/9	117	W0BM	N9TTX	N0RQ
K0DLW	UR0MC	AB5J	W8MSP	NN9X	N1USB
K8VA	W8DN	K4WS	W8VW	VE3AAQ	N2IPH
KB0HH (EM06)	WB9TFH	N4USG		W0YJT	N4CE
KD5FTD		N5JEH*	112	W1OP	N5FPW
KM1C	120	NU6V	IK7EOT	W4ZRZ	N5YHF
KT5MR	EA1YO	W6WE	K2MLS	W5MPC/1	N8HM
N0SL	K2CYE	WA1TBV	K3GD	W7RJR	N9XMU
N9AZZ	K4CGY	XE2PXN	K5WTA	WB6YIY	VA3OKG
PV8AAS	KD0R		KA7T	WB9W	VE3AJY
W0PE	KD4MZM	116	N5HMH		WB6VYH
W1TAM	KD5BRF	K4RGN	W1TR	108	WQ9F
W7YM	KE4SCY (FM06)	KI6QDH	W5DQ	CF3VRQ	
W9CDL	N3YPJ	KU5B	W6OAT	HB9BZA	105
	VE1JC	N0VR	W7IV	JA9IPF	AC4Q
123	VE3XK	NO0B	W9PN	K5OPB	K4SJA
AC7AF	W4LVH	W0DHB	WA8TWM	N3MWQ	K9MAL
K9SM	WA6RAY		WX3P	N5DD	KB3JGS
KB0GT	WB0WAO	115	XE1GK	VE3SUB	KC0JYT
KB0STN		K9MMS		VE7IG	KC4KK
KG6DHQ	119	KE6TVM	111	VY2RU	KF4DGS
VE3TG	K0AWU	KF0QS	N0SLT	W4AMP	KJ7TH
W1HS	K1ZN	KM5FA	N8IK	W4CRN	N4NQY
W3SE	K2SQS	WA3BZT	PC3T	W5AAJ	N5SAN
W4DFU	K7JIZ	WC7V	W8GBH	W8EH	N7YY
W4PRZ	KF7PCL		WZ8P	W9VNE	NE9O
W5EWF	KP3V	114		XE1R	PU4JOE
W7MHW	KT0P	AC8HU	110		VE3VRQ
W8BI	KW7N	JA3LZS	K5KR	107	W8MIL
W8KHP	N4UPX	JR1BAS	K7LD	G4BWP	W9RVG
WA8WV	W0QC	K2RET	KD5J	JA3EGE	WA4MYO
WB2RVX	W4SW	K3RTU	KI0F	K5UIC	
	W7QQ	K9AAN	KP4JRS	KF7PG	104
122	WI4T	KC4GCK	KQ4LA	KI9A	AB9YC
GM4UYE	WM9M	KG9Z	KX5U	KK4LUM	AC5K
K7AED		NF8M	N5TIF	N3TTT	AC5RN
K7OGW	118	VE1WOW	N5YM	N9OI	AC9QR
KA9JAC	J68AS	VE3IRR	W5DM	NF0T	IK4DRY
KB4UF	K4AZV	W2JLK	W7JET	US0KW	K5PPP
KB5WFE	K4MSG	W4ALF	W7UP	W2ODH	KB9RNO
KC5UGX	KA4LBD	W4UFO		W2TTT	KC2TR
N5HYV	KF6MXK	WO2C	109	WB4PPW	KD9GKL
VE6PY	KI7BP	WX4US	AK6ZZ		KJ7OG

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	AI2S	N7TE	WV5Y	K9OT	N9IV
K3HW	AI9U	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
KC8DMN	K9CC	NS2P	K0QEI	KI5TE	W5ADA
KD8NYO	KB9ZLB	VE2HAY	K0SH	KM2O	W5CBF

W5RCQ	W3IPA	W9IFW	KB7AZ	W9CSY	K4XD
W7JWC	W3TA	W9NED	KC5POV	WA2BEV	K7CTV
W9SX	W4LNG	W9WI	KC8LGL	WA8OJR	K7WV
WA2ONK	W5ODD	WA5ICA	KG4QWC	WD9HCF	K7ZVY
WA3I	W5PUF	WB5CON	KI3O	WE7H	K9JF
WA4WR	WA7LHZ		KI5BLU	WEST SEATTLE	KB2KIR
WB2SIH	WA9BXB	92	KM7N	WH6LE	KC1GWX
WD8DOT	WT9U	K1EY	KM9I	WT4C	KC3MLC
WS4S	WV7S	K5GDX	KQ6K	XE3/K5ENS	KE7RTB
XE2AT		K5TDA	N3PPH		KE8UM
	93	K7FU	N3WCM	89	KI2D
94	AG2A	K7HKR	N7CZ	AB1TZ	KI4RFM
AA4RP	AG6CV	K7UWR	N8DEZ	AG7NR	KJ4KW
AB4VT	AI8F	KB0PQP	NA7L	G4NBS	N1CEO
AD1DX	K0IW	KC4JNW	NR4J	JQ1TIV	N2MKT
HK4SAN	K1PTF	KD4QMY	NU4N	K4BMM	N2ZN
K3BEE	K1ZK	KE4WBO	OE9KFV	K5CX	N4CAG
K3TUF	K2AK	KG4URP	W2SUB	K5JAZ	N4GN
K4JRK	K2MTS	KM3V	W4MLN	KA0MWA	N4KIN
K4LDC	K4DAM	KR7X	W5KDA	KF4TVL	N4UC
K4YJ	K5TRI	N2SG	WB0NRV	KI0G	NS3X
K8GT	K6RM	N3GH	WB7X	KI4FW	NT4TN
K9DOG	K7IP	N4VN	WC4V	KI4US	VE2VLJ
K9SUL	K7TRK	N5QO	XE1GZU	KR4U	W2BZR
KA2F	KB0USF	N6RPM		N2GZ	W3YX
KA9UVY	KC5TGT	N7DED	90	N5KAE	W4DL
KB7AK	KC5TT	NS6E	AA0LM	N8YSZ	W4R XR
KC0AUY	KC9TTR	UT5JAJ	AB4WL	N9RG	W7HDD
KC3AK	KC9UL	W1PV	AB9DU	N9UDX	WA2BTR
KD4VRZ	KD0QG	W2ACY	AF5BG	NE2U	WA5MD
KE3WM	KE6AZX	W2CVW	DL1SMA	VE3VCF	WK3N
KF0LA	KE6UMW	W3ACO	JH4JNG	W0HRO	XE1SOV
KG4NLZ	KE8RPJ	W3HZU	K1HC	W1HY	
KU4JZ	KI0J	W4BP	K1KA	W2JEK	87
N0LNE	N2BX	W4LIA	K3CWF	W2OK	AC0A
N0LP	N2YTF	W6NS	K3UAL	W4ZMM	AG4I
N2SU	N3AO	W8JV	K4AAP	W6VNQ	K4JC
N3JBH	N3ZBK	WA3JKB	K4FTP	W9HT	K5UZ
N3XBG	N4GOA	WA4EEZ	K4XZ	WA7SDI	KC8NAH
N3YUG	N4YHC	WM3O	K8EAB	WB3IAL	KE6WOX
N5ZMP	N7EGY		KA5TJI	WM6Y	KI6RRD
N6HY	N7JI	91	KB5FHK	WQ5C	N0ELA
N6MXU	N7KSI	AA0CW	KB7BSA	WR5AY	N2CJN
N7NH	NA9D	AD3Y	KK4DZP	XE2NL	NA5DX
N7UN	VA7QI	AE5AU	KW3DX	XE3DX	NE5S
N8WWM	VE3WMD	CO2WZ	N2ULL		NI5F
N9DD	W0MHK	K1UR	N4BRF	88	NN7RM
N9UNX	W2VTV	K4SPA	N5BA	AA4QE	W8GOC
VA3MA	W3ZGD	K6YK	N9JJ	AE0DX	WB3IGR
VE3RX	W4GPM	K7HPN	N9MSG	AE4OF	WB8JAY
VE5MX	W5DMT	K8OI	VA3XOV	AF4MI	WF4W
VE7AB	W7EIR	KB2YWU	W1HMM	K1RS	XE1RBV
W2GR	W7TRX	KB3NDS	W9CPV	K3TN	

86 AG1T K7FB KA9OKH KI6HQT KN4MMH KP4TB KT1R N2NF N3MVF N8TFD NZ3O VA3MDB VA7LM W8IW WA1PMA WA4USA WB4GCS XE2AU	83 AA6E K1LH K4SQC K6JJ K8SIA KB3HHA KB9LIE KK7BV KU4WW TG9AKH W4HFZ W7USB WD6T WD9IOK WI6Z XE1MM	79 K4RW KP4N N2COP N5YJZ N9RC VE3CFK W2GW W2SKI WN0L	72 AB1QB N4II PV8ADI	62 K4DXA	KI5KC N6DBF N8MR NP3IR SP5QWB YY4DNN
85 EI3IO K1UU K4LRP KB3MXK KC0V KE4DRF KK4AND N2RJ VE3GFN VE7DAY W1WV W3STU W4IT W4RA W6ST W7SIR W8DQ WA4WKL WD4LSS WF4R	82 AD4IE KC5YKX KG4KVZ N1SF PU8TEP W5DAS W7YOZ W8GG WA2ONG ZS6NK	78 K2QPN TG9AWS W4NE	71 IC8TEM K0GW K4GK K5WPN W2YR W3FGP WC5M	61 CU3AN	47 HB9RYZ
84 CT3FT K4EZY KE6NDG N1KI N2NWS VE2WBK W8PU W8SGR	81 AB4I IK8YTA KE4DZU N6MM N7NEV NI4Y W3MC WA4ZXV WA8ZNC XE1EE	77 K1IFJ MI0AYR	70 GI4SJQ K4BNC KC0ZRX W2LV W2QO W4GP	60 KP4JFR S55DX	46 LU2DX
80 AC6BW KE4PT KW1DX N2NS VY2HF W5TTY W6TCP W7AM	76 K0WYN KI4CYB KI7WXP N1GNB N2MH/4	75 G4RGK K3PP K8QM N5GH NP3YL NX7U W5UC WP4NEG ZL3AAU	69 K3WGR WD4LBR	59 OE6IMD	45 JA6WJL K4TXJ
	74 AK8B CX4AAJ KF2TI LU4FPZ TI2CDA VE6SO WC6DX	73 JF1IRW VP2MJD W4WT	68 AA4S EH7CD K6CF KW4OV	58 HB9BIN KC6NBI SV8CS WA2MUA	44 DL5XJ WO3T XE2YWH/1
	73 JF1IRW VP2MJD W4WT		67 W7YED	57 HL2EIZ N5LJL	43 8P6SH CT1EEN K4ZIN SV2AEL
			66 K6KLY KK4YEL	56 EA5BY KI5WA LU8ADX NI6T UX1UA	42 TF3JB
			65 JA1XEC K5EJ N7UJJ OK1MP W4CCS	55 LA3MHA US5WE WA2EMF	41 K0BBC/R
			64 JG2TSL	54 AG4KI	40 E75AA JF1LMB JR0QFA WB8TGY
			63 EA1DR KB0RFY SV1RK	53 K0BBC PP1CZ	39 AA5PK
				51 CT1ETE N8OFS VE9FCP	38 DD3KF DU1EV G4FKA IZ8EDJ K8YSE
				50 JL3MCM	37 JA9APS
				48 G8BQX JA9KRO	

36 HB9RUZ JH9DRL	26 HL2WA WB7QXU	17 G3LZQ OE3SGU PY2XAT W0JM	JA2KVB PY2DV PY2GM SP5XMU	5 DL5LH EA1AAA EA7ZY HB9GWJ JE1LFX JI5USJ JJ1IDW KB8VAO EN91KT7J1ADJ M1VPN MU0GSY OH4UI OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ	SV1VN W1CBY WD9EWK (DM43) YB1TJ YL2MU
35 GI4OWA LU9DO	25 EA4/K1WE HB9EFK	16 N6VHF	10 DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW	2 5B4ALJ 9A2GA 9K2NO BV6CC CO6CBF DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL IK1IYU IK2GOQ IZ8XQC JA6AVT JA6SZV JA9FAI JG1JPE K7LY KEN IN NEBRASKA LA2CQ OH3KAV SV1XV SV3FUO YB2DX YL2KF	
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 VK9DX	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	3 DJ5AV DL2KQ EA1AR EA4D F1RAF G3LHJ GM4CFS HA9PP HL2ZN IK0WRB IK3ITB IK8EPC IK8GYS IW3GJF JH7IMX JM1GHT JN1BPM JR6IQI PY5IP SA7CJO	
32 N3LRH N6PAZ NP4TT SM6WET YL2JZ	22 9H1SP IZ3ENH	13 K4WY PY2MC W4PWF	7 G8APB IZ0INX JA2NDQ JI2UDK LA3DV N5ORT NJ4Y ZS4TX	1 3A2MW 9A2EY BD4UJ CT1AHU DH8BQA DJ3ZF DL2DCX DL4ZAB EA3WD EA4GQS G4VSS G6MXL G7SQS G8TTI	
31 HA5PT	21 EA1YN				
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		
29 JE1VTZ OE4VIE	19 EA6BB JI4WAO PY2HN SP8NR	11 A65BR DL2OE EA4DAU EA4ZK F4BDG G4CTY IZ4GWE			
28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V KJ4EU VE6TA (DO31) W0HBH				
27 IZ4DPV JL3LSF KC9ELU NL7CO WP4NIX					

IK5BSC
IW0AFS
IZ0BTV
IZ3DBA
IZ5FSA
JA1GZK
JA7VXB
JH8XVT
JL2ULM
JN3ONX
KC3KJQ
KG4JSZ
KH6WI
KP4DER
MM0INH
OK1UU
ON6NA
OZ1IKY
SM3GBA
SM6LPG
SQ5NRY
UN8G
UR5EDX
VR2VGM
WB7VUF
YL2CA
YO8WW