

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 (26 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	WA7HQD	461	446
AA0MZ	W5OZI	AC0RA	WB00	NA9RB	K6EID
AA5AM	W7GJ	K5ND		ND4X	NV4B
AA7A	W7JW	W0VTT	472		
A15I	W7KNT	W5AJ	A11K	458	445
K0GU	W7MEM		KB7ME	KG5THG	KU7Z
K1TOL	W9FF	482	N4WW	N9BCA	N5NA
K4PI	W9JN	W5VY	WD8JJA	WB9CIF	
K5RK	W9RM				444
K5UR	WD5K	481	471	457	N7BAV
K5WE	WQ5S	K0TPP	AF5CC	VE3EK	W4DR
K7CW	WS9V		WD5COV		
K9CT		480		456	443
KA9CFD	487	K1USA	469	N0POH	N4MM
KA9FOX	AA5C	N7KA	K7BG		
KD5M	K4XO		KM0T	454	442
KG5CCI	K7MAC	479	N4TB	WE9R	N8OC
KM0A	K7TM	W5WVO	N7ZO		
KO9A	K9YY	W9VHF		453	441
KR7O	N0AKC		467	K4YMQ	K4XP
KV5W	N7CW	478	AD1C	N4JQQ	
N0LL	N7IR	AD6D	WO7R		440
N0LWF	N7NW	AE5B		450	AG9S
N0TB	N9ISN	K5GZR	466	K4SO	K8TB
N1AV	NA6L		K0BJ	N5EKO	W2IRT
N3SL	W9XX	477	KA0JGH	N9BX	
N3XX		W9RN	KB6NAN		438
N5DG	486	XE2CQ	W6XK	449	W3LPL
N5OMG	KY7M		WX7M	K4MY	
N6JV	N0KE	476		KF6HI	437
N9LB		KC7QY	464	W8TN	NY0V
N9UM	485	KC7V	KB9OWD		XE2K
ND0B	K5XI	WB0ULX		447	
W0FY	K9MU	XE2OR	463	K4HB	436
W0JW	W3IP		N5KO	KS7S	AB4IQ
W0LGQ		475		N4SC	K7PI
W3CP	484	KX4R	462	W3UR	KD3CQ
W4UDH	K0SIX		K6ZH	W5EME	W3TC
W5ADD	K1TO	473	N6ORB	W5XC	WB8ART
W5AFY	K8SIX	N5WS			
W5FF	W5ZN	NQ7R			

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 K6GXO KB8VAO EN91PB W5TRL	420 WB8BPU	407 W4AS W5CIA	391 W4AVY XE2YWH	379 N8WNA	365 K4JJW KG7CW KZ2I WB4EVH
431 K0TLM K1HTV K3SX N2QT	419 K7NN KB9DAK W5AL XE2X	406 AK3E K6FG N9EAT	390 NA6MG	376 AA5JF K8VFF N2WK	364 AA4ZZ AB5EB N6QQ
430 K1TEO KF8MY NI0G	418 K4ZOT	405 AA4SC K5CKS	388 K0IP W4WRL	375 K6QG WB4OQX	363 W4NH
429 K1SIX N4QS WA5JCI	417 AJ4A VE3LYC	403 KE8KMX NH6T/W4	387 KV4T N4CH	374 N1EVK N6GP N7DB	362 WA5OLT
428 K9APW KP4AJ N4TL	416 K4RWP K7ND	402 K3FM	386 N7IJ NN4R W5TFW W7AH WE4S	373 K4SSO	361 AG4W K8BL K9NR N7MB N8KOL NE9U NG4C
427 N4QWZ W3LL	415 K5OMC K7AWB KO4MA N5SYV W0GJ	401 K4CKS	385 KF0M NK1K VE6MB W4WTA	372 W5MO	360 AA4FF K6UM (CN85)
426 AJ4F K8ZR N5OK	414 AH0U K7KQA W0GN	398 N5BO N8IEZ W1NG W5JAY	384 AA1ON K1GG K2TER K8ROK	371 WA6BYA	359 WR7X
425 WA1EAZ	413 WA9LFO	397 K5RT		370 K5TN KN4SM KS4YT N3MK NT0V	358 K5RLA N3OC
424 N4UFP N9AKR W3EP	412 N2NL WB7CJO	396 KB8U	383 N4UFO	369 KF8UN N2DPF	357 JA7QVI K4LVV KV7K NI0P W5PR
	411 K9MK	395 AA5XE K0AZ K5WBM	382 K5PI K6VHF		

355 KC4HW N2ZX WA9DU	340 N0AN W8LMG	VA3IKE W9GM	WW0E	312 AF6O KA2GOJ WA1NLG WB3LHD WO2T	301 N0HJZ N2ZZ W9OBG WB0TVY
354 AB1OC K0DEQ	339 KE4BKL N6KK VA7FC W5VAS	331 K8WDA N4MW N6KZ	322 VA6SZ		
353 AF2K K0CS K8EB	338 VE3SXE WA5KBH	330 KB8MBC KG8P	321 N2JJ NC7B NS4C W9VA	311 KM3T W2BZY W5DB	300 AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S
352 NZ3M W0KKK W1JR W7FI WA9PWP XE2ML	337 K8ZES WA5RT	329 KC0UDO W1DYJ W2OR W8WG W9XA WX4G	320 K0VG K6EME N4DW	310 AA1QD AA8SW NG7M VA2WA W9KVR WO4DX	299 VE6WK W1LE W5SUM W8UV WB5GVY
350 AA4FL K7XB N6VI	336 AB4EJ K5KDX K8GI K9QVB/9 VE3DS WO9S	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 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		
345 N8YO W3XY		325 WA2AEY		304 K6IPF W4FC WA0GUD	295 KE4P N7NT W2HRO
344 K6FW KB0PE W1OW	333 FG8OJ KM4HI KN4NN N0IGZ W3GQ	324 K9SH KU4A N2BJ VE3TMG	314 KB0V KU4XO		294 K6JSV N8HRZ
343 K5EK		323 KI0E N8II NJ6D W8KEN	313 K0TC N6NR NF4A W4GLV W5RKN	303 EA8DBM K8TGC K8TL	293 AB9BH K3AX K4KJZ N4JJ N4MI
341 KD7DCR WA7YAZ	332 AA7UN N4JDB N7KDT			302 KB2TGU W3TI	

W2GKR	282	274	266	258	249
W4VC	AA0ZP	K2UU	K1OA	K1BD	K8AO
WA2IIE	DK8NE	KB1DMX	K1WVX	K2HAT	KL7HBK
292	K5TA	273	KE8Y	NA2NY	KQ5U
KJ6P	N0GZ	KM4H	TG9AJR	WB7ECS	N1GC
W1SSN	N8JCM	NA5Z	WB8EJN	257	248
291	W4WM	WB00QV	265	K2KA	CT1IUA
W1WHL	281	272	N5KS	K5QE	K1ZZ
290	K4OY	XE1AO	264	KD4MYE	W6VFA
WA8EFK	W2YE	271	AC8L	N5DTT	247
289	280	K4NNX	K2BLA	PY2XB	K0PG
K4MM	AC5D	K7NII	K4JAF	W7CT	W1FKF
K9FA	N0KV	KB7FUV	N0TK	WA2HFI/0	W3TEF
N5BCA	NM5Z	KD5XB	NF1O	256	W9TA
NQ7G	279	W3HHN	263	K3WA	246
W4LTJ	N3JPU	270	AK4PR	N8ZJN	K0DAS
288	W0RH	AA8MA	K3VAT	255	KK8X
AA4LR	W0VHF (EL87)	K4SPD	K4XR	K8MVZ	N5TIT
HC2FG	W3HDH	KC9FQD	K9AAA	KG4JPL	W0PR
K1NU	XE1FAS	N2LIV	NJ7G	KS4XQ	W4FRA
N6AR	278	W4QK	WB7QBS	W0NOZ	245
W1DU	AA9D	W5DNT	262	WA8KNE	N1IA
W4HLR	AJ4W	W7JY	AE5FM	254	VA3CW
287	JG1TSG	WZ9B	K1ST	KF8QL	W3SW
AC9S	K3JT	269	K3CWH	N7QOZ	WA8ZID
JE1BMJ	N0LNO	K2IE	ND4DX	VE3OTL	WI7P
N8CGY	N8BJQ	K3ZO	WA0KBZ	WD5ITW	244
286	NN1N	KD5R	261	253	AA9RR
AG1A	WA4HFN	N5EPA	AF2F	N2XQM	KD8JSP
NC6K	277	N5WD	K3TWK	252	N3AIU (FM08)
285	AC7JM	268	KB8UUZ	AB5A	N4JRY
K5CZD	K7ULS	K6OJ	N3EW	K1ACL	VA3ZV
N0LD	K9UO	KX7L	260	NN4RR	VE3VHB
284	NS4T	N9ZTS	JR1LZK	VE6NTT	W0VD
AB0RX	PV8DX	W0KAN	K6JAD	VE6SH	WD4IXD
K0KP	276	267	N6HC	251	243
K4DET	K2CS	K8DP	259	AD5JK	JA1QJI
NJ2F (EL96)	K5TWJ	KG6EG	AK0MR	K1NJ	K3TC
RETIRED	K7TAB	KX9N	KD4ADC	K3NK	W4EJ
283	275	N2AMC	KG6I	KG7NV	YV1DIG
W8OP	K1MAA	N3PS	KN5O	NN4SS	242
WA0FQK	K2NJ	N7UVH	N1RR	250	K3WW
WB0CQO	N4GG	N8EHW	NS7K	AA9LC	KA3TCC
	W0FK	W4FSO	NY1E	K0CCM	N8LRG
	W8PI	W5WP	VE6BMX	NW6R	WA8MCD
	WA4NVM	W9DRB	W2JU		

241 W5LO	VE7VZ W3DF W8PAT XE1L	WQ6Q	K4IJQ KB8KVJ	W0PPA W5WGF WA4NFO	202 K1BZ K5GJR WC7X WF8Z WQ5W
240 AB5GU KG5EIU K10HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	232 AE4WG K5FO KL0S MD0CCE N9NJY VE6TA (DO33)	225 AC9O K9QJ KF9UG KX9X (EN50) N2WSY N4SV W8AKS WN6W	217 ND4V W4DEE	208 AI2N CO8DM KD5HIO PV8ABC	201 AA7WB KC5FP KO9V KR0I NN0K WA1MKE WA9ASZ XE2N
239 F4BKV KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	231 K4MIJ K6HEW KF6GYM W9XT	224 JP1LRT K3FRK WA4YA	215 AL7OC K2SX KI5FJ N6KW	207 JM1SZY N1BCL N8NJA	200 4A2MAX N5AO N9AG NA5C VA3VU W1AW
238 AA3GM N9JR	230 JM1IGJ K1ZE K5DTC KO4MM VA3XJ WB0WAO/8	223 GD0TEP K1GJQ K7UA NJ7A	214 KB9PJL VE3SYK WA7AJ	206 AB0CT AK4Y K9YC (EN61) KB0LYL N4ST NA5Q PV8AZ W4EJG XE1J	199 JA8ISU K4GHS N3KFV NJ8J W0BNE W4OEP WB0YEA
237 K3KO K4QE	229 K6RG KB9RUG KD5IKG N4NX NN5DX	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	213 KI6X W0NBC W8RD	205 AF4OD K8SD KE4HOA N5ITO N9ATF VE3MSC W8QID	198 AC8TO N0UK N7EPD NX0I WA7KYM
236 K0SU K4NK KV1J N3FTI N9ATD W5AJX W9OO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	221 K5WMH K6CQR N0PSJ N4ION N5UWY	212 AB5C K6TDI KF7NN N2OA N5PA	204 IT9IPQ K9MQ W5LUA	197 K3EGE N4BAF W5CTV W9TD
235 ND0C VO1GO WB6RJH WT2P WZ9W	227 JA1UAV K8ZT KS9A W4KXY	220 HC1BI K7BTW	211 K8YC K9FOH NE8S VE3SMA W5HNC	203 K0VSV K3DFL K5HYT K5LOW N0HF N6NU N8SYF NR0Q W1RM W9GFB W9VOB	196 K0AIZ K0NR N5DUW W2AMR XE2ED
234 CT1EEB KE6FCT	226 AF5WN N7CNH N8UR NM5S W0VX	219 AI9L K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO N6UK WQ9T		
233 K1AFC N3AIU (DM45) N9NJS		218 K1XH	209 AA4IB N1TQ		

XE2W	188 AD7KI KD4HLG W4AZR W4HFZ W6AER WA7VHF WU9Q WX9M	182 AJ6T DF3CB FP/KV1J K5GMX K8WK W2CCC	WY7FD	KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	164 K5VWW KD0UHN KF9US W4CSW WK7G
195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK W8GJ			177 AG4ZE K2QQ KI4BWW SM7FJE W5ZG WA8UEG	170 K5DB K9TVG N4GBK N8CN NA2U W4IHI W4JKC WK3V	163 K2JF K2YSY K3EA N5XZ W3TW
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		162 AF4GK K0QB KA1R KD4TDI W9JJB W9VS WA1Z
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	169 KD5OMJ N2BEG N5XES N7PHY VE3HHT W8KNO	
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-NA1WB) NA6O W3SO WA2PNI	168 KG5ZMQ W8WEJ	161 K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG
191 K0ITC K3HPA K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q K0DEW KB1HY KR4M N1IBM N4BG		173 K2ZZ K5YPV KE4SCY XE1YY	167 K4MQG KB1YNT KE5EP LU4FW N0NHW NO0T TG9ADQ W1BAT	160 K5IQ
190 K5ER KC2DLD N9UA W1ATV W2OO	183 K5RQ N0FJP N0PB N0UBL W2UDT	178 JR2HCB KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VA2CY VE3NRT W0ZY W1MAD	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	166 KC2GHT N5VU NC4RY VA3WEB WB4KXS	159 K2SD K4MZ NS7B W1EME W4TTO WB8NUT
189 KC0MEA WA5VKS			171 AA4PB HP2AT	165 K4DXT KD5HPT N1JFU W0RIC	158 K8CR KI0D N2CG
					157 4O3A K4FX KB8GC

156 K2KJ KE4UW N3RN N9KO VE7VDX	VE3OAT W7APM	K6JRA K8MN K8WU KA8SYV N9DI W5MPC WO7GI	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	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	138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	133 AE4M KA5ETS KC1RET KE1VT KM8V N7T W0RT W4GE WW7Q XE2O	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 W6VNIQ (CM88) WB6RAB	142 NA2X NC4VA W5SWV WS4V			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 IZ1LBG K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	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 WO4G	146 K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	140 AC5DK CO2WF K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VE3KY W4TUN W6DQ WA4KXY	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS	131 K3NAT KG9R N2CJ	
151 K00Z W1ZT W2DXE	145 KD7YZ V31MD VA3TTX WA4JA		135 CU3EQ K4MWB K8ZIZ K9TF N4DB N8XE W6BXQ WB8BZK WW2DX XE1H	130 AB0X AK8CW K0GUR K4JKB KC4NX KE8RJU NG9R PV8AJ VE1DX VE2TZT W0PHX W2LES W3FEY WA2SEI	126 K6XC KJ7G N0BDS N7DGI WB4HUC YL2AO
150 K1EP N9LAH NE6I	144 K0TLG K5TDW				125 AA7DK K3PU KC5DRI KD2NF

NT7C	121	N1QDQ	113	IW1ARB	106
W2AJM	AE1P	N3JNX	AB4PM	K2DSW	K0MEI
W3UQH	K0MFI	N5EIL	AD5MD	K2JGL	K5BJW
WA6POZ	K4HBI	NZ1I	K3DQB	K2OO	K7BWH
WB4OMM	KB2WAL	W2AC / WB2ABK	KD4BPZ	K5DNL	K7JE
WE1P	KB5MH	W2AC/WB2ABK	KD6VCD	K9GY	KB0TIJ
	KE4JFS	WB2KSK	KM5OL	KE6GLA	KC7ICM
124	NE0P/9		N3JDQ	KJ6CA	KE5JXC
K0DLW	UR0MC	117	N4YCI	KZ7N	KJ6MBW
K8VA	W8DN	AB5J	N5YK	N8TMW	KK2DOG
KB0HH (EM06)	WB9TFH	K4WS	W0BM	N9TTX	N0RQ
KD5FTD		N4USG	W8MSP	NN9X	N1USB
KM1C	120	N5JEH*	W8VW	VE3AAQ	N2IPH
KT5MR	EA1YO	NU6V		W0YJT	N4CE
N0SL	K2CYE	W6WE	112	W1OP	N5FPW
N9AZZ	K4CGY	WA1TBV	IK7EOT	W4ZRZ	N5YHF
PV8AAS	KD0R	XE2PXN	K2MLS	W5MPC/1	N8HM
W0PE	KD4MZM		K3GD	W7RJR	N9XMU
W1TAM	KD5BRF	116	K5WTA	WB6YIY	VA3OKG
W7YM	KE4SCY (FM06)	K4RGN	KA7T	WB9W	VE3AJY
W9CDL	N3YPJ	KI6QDH	N5HMH		WB6VYH
	VE1JC	KU5B	W1TR	108	WQ9F
123	VE3XK	N0VR	W5DQ	CF3VRQ	
AC7AF	W4LVH	NO0B	W6OAT	HB9BZA	105
K9SM	WA6RAY	W0DHB	W7IV	JA9IPF	AC4Q
KB0GT	WB0WAO		W9PN	K5OPB	K4SJA
KB0STN		115	WA8TWM	N3MWQ	K9MAL
KG6DHQ	119	K9MMS	WX3P	N5DD	KB3JGS
VE3TG	K0AWU	KE6TVM	XE1GK	VE3SUB	KC0JYT
W1HS	K1ZN	KF0QS		VE7IG	KC4KK
W3SE	K2SQS	KM5FA	111	VY2RU	KF4DGS
W4DFU	K7JIZ	WA3BZT	N0SLT	W4AMP	KJ7TH
W4PRZ	KF7PCL	WC7V	N8IK	W4CRN	N4NQY
W5EWF	KP3V		PC3T	W5AAJ	N5SAN
W7MHW	KT0P	114	W8GBH	W8EH	N7YY
W8BI	KW7N	AC8HU	WZ8P	W9VNE	NE9O
W8KHP	N4UPX	JA3LZS		XE1R	PU4JOE
WA8WV	W0QC	JR1BAS	110		VE3VRQ
WB2RVX	W4SW	K2RET	K5KR	107	W8MIL
	W7QQ	K3RTU	K7LD	G4BWP	W9RVG
122	WI4T	K9AAN	KD5J	JA3EGE	WA4MYO
GM4UYE	WM9M	KC4GCK	KI0F	K5UIC	
K7AED		KG9Z	KP4JRS	KF7PG	104
K7OGW	118	NF8M	KQ4LA	KI9A	AB9YC
KA9JAC	J68AS	VE1WOW	KX5U	KK4LUM	AC5K
KB4UF	K2GW	VE3IRR	N5TIF	N3TTT	AC5RN
KB5WFE	K4AZV	W2JLK	N5YM	N9OI	AC9QR
KC5UGX	K4MSG	W4ALF	W5DM	NF0T	IK4DRY
N5HYV	KA4LBD	W4UFO	W7JET	US0KW	K5PPP
VE6PY	KF6MXK	WO2C	W7UP	W2ODH	KB9RNO
VE7JAC	KI7BP	WX4US		W2TTT	KC2TR
WD0GTY	KT8X		109	WB4PPW	KD9GKL
	KW4BY		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	W7TRX	KB3NDS	W9CSY	K4XD
W7JWC	W3TA	W9IFW	KB7AZ	WA2BEV	K7CTV
W9SX	W4LNG	W9NED	KC5POV	WA8OJR	K7WV
WA2ONK	W5ODD	W9WI	KC8LGL	WD9HCF	K7ZVY
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
94	93	K5TDA	N3PPH	89	KI2D
AA4RP	AG2A	K7FU	N3WCM	AB1TZ	KI4RFM
AB4VT	AG6CV	K7HKR	N7CZ	AG7NR	KJ4KW
AD1DX	AI8F	K7UWR	N8DEZ	G4NBS	N1CEO
HK4SAN	K0IW	KB0PQP	NA7L	JQ1TIV	N2MKT
K3BEE	K1PTF	KC4JNW	NR4J	K4BMM	N2ZN
K3TUF	K1ZK	KD4QMY	NU4N	K5CX	N4CAG
K4JRK	K2AK	KE4WBO	OE9KFV	K5JAZ	N4GN
K4LDC	K2MTS	KG4URP	W2SUB	KA0MWA	N4KIN
K4YJ	K4DAM	KM3V	W4MLN	KF4TVL	N4UC
K8GT	K5TRI	KR7X	W5KDA	KI0G	NS3X
K9DOG	K6RM	N2SG	WB0NRV	KI4FW	NT4TN
K9SUL	K7IP	N3GH	WB7X	KI4US	VE2VLJ
KA2F	K7TRK	N4VN	WC4V	KR4U	W2BZR
KA9UVY	KB0USF	N5QO	XE1GZU	N2GZ	W3YX
KB7AK	KC5TGT	N6RPM		N5KAE	W4DL
KC0AUY	KC5TT	N7DED	90	N8YSZ	W4R XR
KC3AK	KC9TTR	NS6E	AA0LM	N9RG	W7HDD
KD4VRZ	KC9UL	UT5JAJ	AB4WL	N9UDX	WA2BTR
KE3WM	KD0QG	W1PV	AB9DU	NE2U	WA5MD
KF0LA	KE6AZX	W2ACY	AF5BG	VE3VCF	WK3N
KG4NLZ	KE6UMW	W2CVW	JH4JNG	W0HRO	XE1SOV
KU4JZ	KE8RPJ	W3ACO	K1HC	W1HY	
N0LNE	KI0J	W3HZU	K1KA	W2JEK	87
N0LP	N2BX	W4BP	K3CWF	W2OK	AC0A
N2SU	N2YTF	W4LIA	K3UAL	W4ZMM	AG4I
N3JBH	N3AO	W6NS	K4AAP	W6VNQ	K4JC
N3XBG	N3ZBK	W8JV	K4FTP	W9HT	K5UZ
N3YUG	N4GOA	WA3JKB	K4XZ	WA7SDI	KC8NAH
N5ZMP	N4YHC	WA4EEZ	K8EAB	WB3IAL	KE6WOX
N6HY	N7EGY	WM3O	KA5TJI	WM6Y	KI6RRD
N6MXU	N7JI	91	KB5FHK	WQ5C	N0ELA
N7NH	N7KSI	AA0CW	KB7BSA	WR5AY	N2CJN
N7UN	NA9D	AD3Y	KK4DZP	XE2NL	NA5DX
N8WWM	VA7QI	AE5AU	KW3DX	XE3DX	NE5S
N9DD	VE3WMD	CO2WZ	N2ULL		NI5F
N9UNX	W0MHK	K1UR	N4BRF	88	NN7RM
VA3MA	W2VTV	K4SPA	N5BA	AA4QE	W8GOC
VE3RX	W3ZGD	K6YK	N9JJ	AE0DX	WB3IGR
VE5MX	W4GPM	K7HPN	N9MSG	AE4OF	WB8JAY
VE7AB	W5DMT	K8OI	VA3XOV	AF4MI	WF4W
W2GR	W6IA	KB2YWU	W1HMM	K1RS	XE1RBV
	W7EIR		W9CPV	K3TN	

86	83	KP4N	PV8ADI	61	NP3IR
AG1T	AA6E	N2COP		CU3AN	SP5QWB
K7FB	K1LH	N5YJZ	71		YY4DNN
KA9OKH	K4SQC	N9RC	IC8TEM	60	
KI6HQT	K6JJ	VE3CFK	K0GW	KP4JFR	47
KN4MMH	K8SIA	W2GW	K4GK	S55DX	HB9RYZ
KP4TB	KB3HHA	W2SKI	K5WPN	59	46
KT1R	KB9LIE	WN0L	W2YR	OE6IMD	LU2DX
N2NF	KK7BV	78	W3FGP		
N3MVF	KU4WW	K2QPN	WC5M	58	45
N8TFD	TG9AKH	TG9AWS	70	HB9BIN	JA6WJL
NZ3O	W7USB	W4NE	GI4SJQ	KC6NBI	K4TXJ
VA3MDB	WD6T	77	K4BNC	SV8CS	44
VA7LM	WD9IOK	K1IFJ	KC0ZRZ	WA2MUA	DL5XJ
W8IW	WI6Z	MI0AYR	W2LV	57	WO3T
WA1PMA	XE1MM	76	W2QO	HL2EIZ	XE2YWH/1
WA4USA	82	K0WYN	W4GP	N5LJL	43
WB4GCS	AD4IE	KI4CYB	69	56	8P6SH
XE2AU	KC5YKX	KI7WXP	K3WGR	EA5BY	CT1EEN
85	KG4KVZ	N1GNB	WD4LBR	KI5WA	K4ZIN
EI3IO	N1SF	N2MH/4	68	LU8ADX	SV2AEL
K1UU	PU8TEP	75	AA4S	NI6T	42
K4LRP	W5DAS	G4RGK	EH7CD	UX1UA	TF3JB
KB3MXK	W7YOZ	K3PP	K6CF	55	
KC0V	W8GG	K8QM	KW4OV	LA3MHA	41
KE4DRF	WA2ONG	N5GH	67	US5WE	K0BBC/R
KK4AND	ZS6NK	NP3YL	W7YED	WA2EMF	40
N2RJ	81	NX7U	66	54	E75AA
VE3GFN	AB4I	W5UC	K6KLY	AG4KI	JF1LMB
VE7DAY	IK8YTA	WP4NEG	KK4YEL	53	JR0QFA
W1WV	KE4DZU	ZL3AAU	65	K0BBC	WB8TGY
W3STU	KG4ERR	74	JA1XEC	PP1CZ	39
W4IT	N6MM	AK8B	K5EJ	51	AA5PK
W4RA	N7NEV	CX4AAJ	N7UJJ	CT1ETE	38
W6ST	NI4Y	KF2TI	OK1MP	N8OFS	DD3KF
W7SIR	W3MC	LU4FPZ	W4CCS	VE9FCP	DU1EV
W8DQ	WA8ZNC	TI2CDA	64	50	G4FKA
WA4WKL	XE1EE	VE6SO	JG2TSL	JL3MCM	IZ8EDJ
WD4LSS	80	WC6DX	63	48	K8YSE
WF4R	AC6BW	73	EA1DR	G8BQX	37
84	KE4PT	JF1IRW	KB0RFY	JA9KRO	JA9APS
CT3FT	KW1DX	VP2MJD	SV1RK	KI5KC	36
K4EZY	N2NS	W4WT	62	N6DBF	HB9RUZ
KE6NDG	VY2HF	72	K4DXA	N8MR	JH9DRL
N1KI	W5TTY	AB1QB			
N2NWS	W6TCP	N4II			
VE2WBK	W7AM				
W8PU	79				
W8SGR	K4RW				

35 GI4OWA LU9DO	25 EA4/K1WE HB9EFK	16 N6VHF	10 DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW	KB8VAO EN91KTJ1ADJ M1VPN MU0GSY OH4UI ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ	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
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	LA2CQ OH3KAV SV1XV SV3FUO YB2DX YL2KF
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 OK1IN PY5IP SA7CJO SV1VN W1CBY WD9EWK (DM43)	1 3A2MW 9A2EY BD4UJ CT1AHU DH8BQA DJ3ZF DL2DCX DL4ZAB EA3WD EA4GQS G4VSS G6MXL G7SQS G8TTI IK5BSC W0AFS IZ0BTV IZ3DBA IZ5FSA JA1GZK JA7VXB
32 N3LRH N6PAZ NP4TT SM6WET YL2JZ	22 9H1SP IZ3ENH	13 K4WY PY2MC W4PWF	7 G8APB IZ0INX JA2NDQ LA3DV N5ORT NJ4Y ZS4TX		
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			
29 JE1VTZ OE4VIE		11 A65BR DL2OE EA4DAU EA4ZK F4BDG G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU	6 CT2FEY DH0GSU DL1TRK EA8MT EI2JC HB9FMN JA7NGE JJ2NWI PY2VA		
28 CT8/K0RUI JA6CRP K0FMI OH3DP	19 EA6BB JI4WAO PY2HN SP8NR				
27 IZ4DPV JL3LSF KC9ELU NL7CO WP4NIX	18 AJ6V KJ4EU W0HBH		5 DL5LH EA1AAA EA7ZY HB9GWJ JE1LFX JI5USJ JJ1IDW		
26 HL2WA WB7QXU	17 G3LZQ OE3SGU PY2XAT W0JM			2 5B4ALJ	

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