

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 (06 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	483	473	461	446
AA0MZ	W5OZI	AC0RA	N5WS	NA9RB	K6EID
AA5AM	W7GJ	K5ND	NQ7R	ND4X	NV4B
AA7A	W7JW	W0VTT	WA7HQD		
A15I	W7KNT	W5AJ	WB0O	458	445
K0GU	W7MEM			KG5THG	KU7Z
K1TOL	W9FF	482	472	N9BCA	N5NA
K4PI	W9JN	W5VY	A11K	WB9CIF	
K5RK	W9RM		KB7ME		444
K5UR	WD5K	481	N4WW	457	N7BAV
K5WE	WQ5S	K0TPP	WD8JJA	VE3EK	W4DR
K7CW	WS9V	K1USA			
K9CT			471	456	443
KA9CFD	487	480	AF5CC	N0POH	N4MM
KA9FOX	AA5C	N7KA	WD5COV		
KD5M	K4XO	WB0ULX		454	442
KG5CCI	K7MAC		469	WE9R	N8OC
KM0A	K7TM	479	K7BG		
KO9A	K9YY	AD6D	KM0T	453	441
KR7O	N0AKC	W5WVO	N4TB	K4YMQ	K4XP
KV5W	N7CW	W9VHF	N7ZO	N4JQQ	
N0LL	N7IR				440
N0LWF	N7NW	478	467	450	AG9S
N0TB	N9ISN	AE5B	AD1C	AJ4F	K8TB
N1AV	NA6L	K5GZR	WO7R	K4SO	W2IRT
N3SL	W9XX			N5EKO	
N3XX		477	466	N9BX	438
N5DG	486	W9RN	K0BJ		W3LPL
N5OMG	KY7M	XE2CQ	KA0JGH	449	
N6JV	N0KE		KB6NAN	K4MY	437
N9LB		476	WX7M	KF6HI	NY0V
N9UM	485	KC7QY		W8TN	XE2K
ND0B	K5XI	KC7V	464		
W0FY	K9MU	XE2OR	KB9OWD	447	436
W0JW	W3IP			K4HB	AB4IQ
W0LGQ		475	463	KS7S	K7PI
W3CP	484	KX4R	N5KO	N4SC	KD3CQ
W4UDH	K0SIX			W3UR	W3TC
W5ADD	K1TO	474	462	W5EME	WB8ART
W5AFY	K8SIX	W6XK	K6ZH	W5XC	
W5FF	W5ZN		N6ORB		

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/E3LYC 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	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 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	W8KEN 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 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 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	304 K6IPF W4FC WA0GUD	295 KE4P N7NT W2HRO
345 N8YO W3XY		325 WA2AEY			
344 K6FW KB0PE W1OW	333 FG8OJ KM4HI KN4NN N0IGZ W3GQ	324 K9SH KU4A N2BJ VE3TMG	314 KB0V KU4XO		294 K6JSV N8HRZ
343 K5EK			313 K0TC N6NR NF4A W4GLV W5RKN	303 EA8DBM K8TGC K8TL	293 AB9BH K3AX K4KJZ N4JJ N4MI
341 KD7DCR WA7YAZ	332 AA7UN N4JDB N7KDT	323 KI0E N8II NJ6D		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	DF3CB	177	KI4TZ	KF9US
	AD7KI	FP/KV1J	AG4ZE	NS3L	W4CSW
195	KD4HLG	K5GMX	K2QQ	W1PX	WK7G
AA4W	W4AZR	K8WK	KI4BWW	WA2KBZ	
JA7MSQ	W6AER	W2CCC	SM7FJE		163
K6VDP	WA7VHF	XE1CL	W5ZG		K2JF
KC0VDY	WU9Q		WA8UEG	170	K2YSY
KG6WIK	WX9M	181		K5DB	K3EA
W8GJ		AB9FN	176	K9TVG	N5XZ
	187	K4CMS	AD5ZA	N4GBK	W3TW
194	JF8QNF	K5HDE	K0DI	N8CN	
K2MRK	KD3HN	KB8YKR	KX9X	NA2U	162
N3FA	KQ0J	N3XJX	N5QGH	W4IHI	AF4GK
N9NFT	N1SV	N4DTF	NP4BM	W4JKC	K0QB
WF1H		NY0A	W5AFD	WK3V	KA1R
WK8A	186	W2ZDP	WA5IPS	169	KD4TDI
	DJ5FI	W4RBO	WW2R	KD5OMJ	W9JJB
193	K6ZZ	W9BS		N2BEG	W9VS
K7PT	K8PT	WJ1B	175	N5XES	WA1Z
K9AB	K9SG		N7LAN	N7PHY	
	KN4PPD	180	PV8BR	VE3HHT	161
192	KN7K	K0OST		W8KNO	K4EA
N1LF	N0XLR	K4LYN	174		KB3CWQ
N2NB	N6ZE	KC1MMC	K3MD	168	N2YBB
N3CAL		N1RK	K6WRL	KG5ZMQ	V44KAI
N3NR	185	N6PEQ	KC6ZWT	W8WEJ	VE3LC
N4LXB	AD6W	N6VH	KG7P		W4HOG
N4TV	K2WJ	NI3K	KU0A	167	
W6MTR	KD5BQT	W3SZ	N1MGO	K4MQG	160
W8FN	KU4UC	WA5RR	NA2NY (ex-NA1NB)	KB1YNT	K5IQ
	N2YU		NA6O	KE5EP	
191	NA2R	179	W3SO	LU4FW	159
K0ITC	PY5CC	KU4WD	WA2PNI	N0NHW	K2SD
K3HPA	W3OU	N0LIE		NO0T	K4MZ
K9CS	W5BPT	N0MMA	173	TG9ADQ	NS7B
KK6OH		NH7RO	K2ZZ	W1BAT	W1EME
N9AMW	184	VA3DPB	K5YPV		W4TTO
WA2BKN	AF5Q	W8LHP	KE4SCY	166	WB8NUT
WA5CAM	K0DEW	WA4QMQ	XE1YY	KC2GHT	
WD4JHD	KB1HY			N5VU	158
	KR4M	178	172	NC4RY	K8CR
190	N1IBM	JR2HCB	AB9KZ	VA3WEB	KI0D
K5ER	N4BG	KA2AYR	K5ZED	WB4KXS	N2CG
KC2DLD		KB0EO	KI4PKW		
N9UA	183	KB1RZA	KJ6HI	165	157
W1ATV	K5RQ	KG5RJ	VE2PN	K4DXT	4O3A
W2OO	N0FJP	N1ZUK	W4ABC	KD5HPT	K4FX
	N0PB	NQ2O		N1JFU	KB8GC
189	N0UBL	VA2CY	171	W0RIC	
KC0MEA	W2UDT	VE3NRT	AA4PB		156
WA5VKS		W0ZY	HP2AT	164	K2KJ
	182	W1MAD	KC5GSK	K5VWW	KE4UW
	AJ6T	WY7FD	KC5YCH	KD0UHN	N3RN

N9KO	149	KA8SYV	K1DT	AB4GE	129
VE7VDX	AB6CF	N9DI	KC7JPC	BA4SI	8P6ET
155	K4SAN	W5MPC	KU0G	C6ABB	JF4VZT
K3TD	KK9H	WO7GI	N3FX	HK3W	K0KD
K6XN	WB4VHF	143	NA2AA	KE5FXE	K5QWO
KK8MM	148	K0KVR	W2PD	N3AIU (DN70)	KC8KSK
N7AU	AC0DQ	K6JBH	W4OV	N8GOU	KF4NEF
N9OBE	AG0A	K9QFR	WA5TKU	W4TKI	KM5LY
TG9ANF	G0OIL	KB8RJS	WB2JIL	WA3WZR	KM5SC
VA3NQ	K0RU	N8URE (FM19)	WY0V	133	N9WBR
WV8DX	K7IU	NA1VT	138	AE4M	NZ6N
154	K8DV	W0HNM	AC0XY	KA5ETS	128
AE4NT	KB2YSI	W0UHL	AI6O	KC1RET	KC7QAG
KB9VMW	N0TM	WB0MMC	KD7WPJ	KE1VT	KJ6SDF
W3ZQN	N5ZBI	WM5H	KE0A	KM8V	KN4DMN
153	NY4I	142	KE3D	N7T	W0WT
AA4NC	W6VNI (CM88)	NA2X	KE8RO	W0RT	W5ZO
AB4GG	WB6RAB	NC4VA	KQ4KX	W4GE	W8FR
JA1OVD	147	W5SWV	N3XH	WW7Q	WB2WEO
K7AD	AF6AV	WS4V	137	XE2O	WQ7F
K7ZD	IZ1LBG	141	N1SZ	132	127
KW0A	K6PSP	K4AR	N5JGK	AB3CV	AA9RK
N1OFZ	KC1BUF	K9ATX	SM7AED	K5VG	K3GYK
N2ADV	VE3CX	KT8TD	136	KW4G	K7UV
N6DHZ	W4YCC	N9FIV	K0XXX	N4PPH	K8AC
W3DQS	W5WOX	W4FS	K4SX	NE1I	K8OS
W5FI	WA0VPJ	W4POT	KC5LK	VE3TM	KB3OZC
W9ILY	WA3YGQ	W6ZI	KC9AXZ	WN6K	KB9TLV
WB5ZAM	146	WB9WHQ	KJ5RM	131	KC0RQH
152	K8YTO	WR7AY	KV1E	K3NAT	N2ZA
N1NUM	KB0YH	140	NO1R	KG9R	NO8D
N2WM	KB5ZEA	AC5DK	W2JCN	N2CJ	VE2JWH
NU1T	KC2TN	CO2WF	W4AVV	130	W1FLD
UT7QF	KM5TY	K1UO	W7UV	AB0X	WA6BIL
WO4G	N4HID	K7SAM	XE2JS	AK8CW	126
151	VA2RC	KC0MEZ	135	K0GUR	K6XC
KO0Z	VE1VOX	KC8TMU	CU3EQ	K4JKB	KJ7G
W1ZT	145	KJ4KVC	K4MWB	KC4NX	N0BDS
W2DXE	KD7YZ	N1EN	K8ZIZ	KE8RJU	N7DGI
150	V31MD	N3VOP	K9TF	NG9R	WB4HUC
K1EP	VA3TTX	NJ0U	N4DB	PV8AJ	YL2AO
N9LAH	WA4JA	VE3KY	N8XE	VE1DX	125
NE6I	144	W4TUN	W6BXQ	VE2TZT	AA7DK
VE3OAT	K0TLG	W6DQ	WB8BZK	W0PHX	K3PU
W7APM	K5TDW	WA4KXY	WW2DX	W2LES	KC5DRI
	K6JRA	139	XE1H	W3FEY	KD2NF
	K8MN	CT1BWU	134	WA2SEI	NT7C
	K8WU	IZ8FFA	AB1NS	WB4YDL	W2AJM
				WW5W	W3UQH

WA6POZ	K4HBI	NZ1I	KD4BPZ	K5DNL	K7JE
WB4OMM	KB2WAL	W2AC / WB2ABK	KD6VCD	K9GY	KB0TIJ
WE1P	KB5MH	W2AC/WB2ABK	KM5OL	KE6GLA	KC7ICM
124	KE4JFS	WB2KSK	N3JDQ	KJ6CA	KE5JXC
K0DLW	NE0P/9	117	N4YCI	KZ7N	KJ6MBW
K8VA	UR0MC	AB5J	N5YK	N8TMW	KK2DOG
KB0HH (EM06)	W8DN	K4WS	W0BM	N9TTX	N0RQ
KD5FTD	WB9TFH	N4USG	W8MSP	NN9X	N1USB
KM1C	120	N5JEH*	W8VW	VE3AAQ	N2IPH
KT5MR	EA1YO	NU6V	112	W0YJT	N4CE
N0SL	K2CYE	W6WE	IK7EOT	W1OP	N5FPW
N9AZZ	K4CGY	WA1TBV	K2MLS	W4ZRZ	N5YHF
PV8AAS	KD0R	XE2PXN	K3GD	W5MPC/1	N8HM
W0PE	KD4MZM	116	K5WTA	W7RJR	N9XMU
W1TAM	KD5BRF	K4RGN	KA7T	WB6YIY	VA3OKG
W7YM	KE4SCY (FM06)	KI6QDH	N5HMH	WB9W	VE3AJY
W9CDL	N3YPJ	KU5B	W1TR	108	WB6VYH
123	VE1JC	N0VR	W5DQ	CF3VRQ	WQ9F
AC7AF	VE3XK	NO0B	W6OAT	HB9BZA	105
K9SM	W4LVH	W0DHB	W7IV	JA9IPF	AC4Q
KB0GT	WA6RAY	115	W9PN	K5OPB	K4SJA
KB0STN	WB0WAO	K9MMS	WA8TWM	N3MWQ	K9MAL
KG6DHQ	119	KE6TVM	WX3P	N5DD	KB3JGS
VE3TG	K0AWU	KF0QS	XE1GK	VE3SUB	KC0JYT
W1HS	K1ZN	KM5FA	111	VE7IG	KC4KK
W3SE	K2SQS	WA3BZT	N0SLT	VY2RU	KF4DGS
W4DFU	K7JIZ	WC7V	N8IK	W4AMP	KJ7TH
W4PRZ	KF7PCL	114	PC3T	W4CRN	N4NQY
W5EWF	KP3V	AC8HU	W8GBH	W5AAJ	N5SAN
W7MHW	KT0P	JA3LZS	WZ8P	W8EH	N7YY
W8BI	KW7N	JR1BAS	110	W9VNE	NE9O
W8KHP	N4UPX	K2RET	K5KR	XE1R	PU4JOE
WA8WV	W0QC	K3RTU	K7LD	107	VE3VRQ
WB2RVX	W4SW	K9AAN	KD5J	G4BWP	W8MIL
122	W7QQ	KC4GCK	KI0F	JA3EGE	W9RVG
GM4UYE	WI4T	KG9Z	KP4JRS	K5UIC	WA4MYO
K7AED	WM9M	NF8M	KQ4LA	KF7PG	104
K7OGW	118	VE1WOW	KX5U	KI9A	AB9YC
KA9JAC	J68AS	VE3IRR	N5TIF	KK4LUM	AC5K
KB4UF	K2GW	W2JLK	N5YM	N3TTT	AC5RN
KB5WFE	K4AZV	W4ALF	W5DM	N9OI	AC9QR
KC5UGX	K4MSG	W4UFO	W7JET	NF0T	IK4DRY
N5HYV	KA4LBD	W02C	W7UP	US0KW	K5PPP
VE6PY	KF6MXK	WX4US	109	W2ODH	KB9RNO
VE7JAC	KI7BP	113	AK6ZZ	W2TTT	KC2TR
WD0GTY	KT8X	AB4PM	IW1ARB	WB4PPW	KD9GKL
121	KW4BY	AD5MD	K2DSW	106	KJ7OG
AE1P	N1QDQ	K3DQB	K2JGL	K0MEI	KM6WXB
K0MFI	N3JNX	117	K2OO	K5BJW	KO4LZ
	N5EIL	118		K7BWH	N0STP
		119			N1LDY

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
KC8DMN	K9CC	NS2P	K0QEI	KI5TE	W5ADA
KD8NYO	KB9ZLB	VE2HAY	K0SH	KM2O	W5CBF
KE1AU	KC2HLI	W2HOG	K0YQ	KM5NU	W5RCQ
KJ4M	KC8CC	W2VU	K3HZO (FN20)	KS4V	W7JWC
KR5V	KC9CMT	W5JLC	K4GTR	KT5RR	W9SX
N1HOQ	KD3SW	W6TJU	K4JQU	N0WVU	WA2ONK

WA3I	W5PUF	WA5ICA	KG4QWC	WD9HCF	K7ZYV
WA4WR	WA7LHZ	WB5CON	KI3O	WE7H	K9JF
WB2SIH	WA9BXB		KI5BLU	WEST SEATTLE	AB2KIR
WD8DOT	WT9U	92	KM7N	WH6LE	KC1GWX
WS4S	WV7S	K1EY	KM9I	WT4C	KC3MLC
XE2AT		K5GDX	KQ6K	XE3/K5ENS	KE7RTB
	93	K5TDA	N3PPH		KE8UM
94	AG2A	K7FU	N3WCM	89	KI2D
AA4RP	AG6CV	K7HKR	N7CZ	AB1TZ	KI4RFM
AB4VT	AI8F	K7UWR	N8DEZ	AG7NR	KJ4KW
AD1DX	K0IW	KB0PQP	NA7L	G4NBS	N1CEO
HK4SAN	K1PTF	KC4JNW	NR4J	JQ1TIV	N2MKT
K3BEE	K1ZK	KD4QMY	NU4N	K4BMM	N2ZN
K3TUF	K2AK	KE4WBO	OE9KFV	K5CX	N4CAG
K4JRK	K2MTS	KG4URP	W2SUB	K5JAZ	N4GN
K4LDC	K4DAM	KM3V	W4MLN	KA0MWA	N4KIN
K4YJ	K5TRI	KR7X	W5KDA	KF4TVL	N4UC
K8GT	K6RM	N2SG	WB0NRV	KI0G	NS3X
K9DOG	K7IP	N3GH	WB7X	KI4FW	NT4TN
K9SUL	K7TRK	N4VN	WC4V	KI4US	VE2VLJ
KA2F	KB0USF	N5QO	XE1GZU	KR4U	W2BZR
KA9UVY	KC5TGT	N6RPM		N2GZ	W3YX
KB7AK	KC5TT	N7DED	90	N5KAE	W4DL
KC0AUY	KC9TTR	NS6E	AA0LM	N8YSZ	W4RXR
KC3AK	KC9UL	UT5JAJ	AB4WL	N9RG	W7HDD
KD4VRZ	KD0QG	W1PV	AB9DU	N9UDX	WA2BTR
KE3WM	KE6AZX	W2ACY	AF5BG	NE2U	WA5MD
KF0LA	KE6UMW	W2CVW	DL1SMA	VE3VCF	WK3N
KG4NLZ	KE8RPJ	W3ACO	JH4JNG	W0HRO	XE1SOV
KU4JZ	KI0J	W3HZU	K1HC	W1HY	
N0LNE	N2BX	W4BP	K1KA	W2JEK	87
N0LP	N2YTF	W4LIA	K3CWF	W2OK	AC0A
N2SU	N3AO	W6NS	K3UAL	W4ZMM	AG4I
N3JBH	N3ZBK	W8JV	K4AAP	W6VNB	K4JC
N3XBG	N4GOA	WA3JKB	K4FTP	W9HT	K5UZ
N3YUG	N4YHC	WA4EEZ	K4XZ	WA7SDI	KC8NAH
N5ZMP	N7EGY	WM3O	K8EAB	WB3IAL	KE6WOX
N6HY	N7JI		KA5TJI	WM6Y	KI6RRD
N6MXU	N7KSI	91	KB5FHK	WQ5C	N0ELA
N7NH	NA9D	AA0CW	KB7BSA	WR5AY	N2CJN
N7UN	VA7QI	AD3Y	KK4DZP	XE2NL	NA5DX
N8WWM	VE3WMD	AE5AU	KW3DX	XE3DX	NE5S
N9DD	W0MHK	CO2WZ	N2ULL		NI5F
N9UNX	W2VTV	K1UR	N4BRF	88	NN7RM
VA3MA	W3ZGD	K4SPA	N5BA	AA4QE	W8GOC
VE3RX	W4GPM	K6YK	N9JJ	AE0DX	WB3IGR
VE5MX	W5DMT	K7HPN	N9MSG	AE4OF	WB8JAY
VE7AB	W6IA	K8OI	VA3XOV	AF4MI	WF4W
W2GR	W7EIR	KB2YWU	W1HMM	K1RS	XE1RBV
W3IPA	W7TRX	KB3NDS	W9CPV	K3TN	
W3TA	W9IFW	KB7AZ	W9CSY	K4XD	86
W4LNG	W9NED	KC5POV	WA2BEV	K7CTV	AG1T
W5ODD	W9WI	KC8LGL	WA8OJR	K7WV	K7FB

KA9OKH	K6JJ	N9RC	71	61	NP3IR
KI6HQT	K8SIA	VE3CFK	IC8TEM	CU3AN	SP5QWB
KN4MMH	KB3HHA	W2GW	K0GW		YY4DNN
KP4TB	KB9LIE	W2SKI	K4GK	60	
KT1R	KK7BV	WN0L	K5WPN	KP4JFR	47
N2NF	KU4WW		W2YR	S55DX	HB9RYZ
N3MVF	TG9AKH	78	W3FGP		
N8TFD	W4HFZ	K2QPN	WC5M	59	46
NZ3O	W7USB	TG9AWS		OE6IMD	LU2DX
VA3MDB	WD6T	W4NE	70		
VA7LM	WD9IOK		GI4SJQ	58	45
W8IW	WI6Z	77	K4BNC	HB9BIN	JA6WJL
WA1PMA	XE1MM	K1IFJ	KC0ZRZ	KC6NBI	K4TXJ
WA4USA		MI0AYR	W2LV	SV8CS	
WB4GCS	82		W2QO	WA2MUA	44
XE2AU	AD4IE	76	W4GP		DL5XJ
	KC5YKX	K0WYN		57	WO3T
85	KG4KVZ	KI4CYB	69	HL2EIZ	XE2YWH/1
EI3IO	N1SF	KI7WXP	K3WGR	N5LJL	
K1UU	PU8TEP	N1GNB	WD4LBR		43
K4LRP	W5DAS	N2MH/4			8P6SH
KB3MXK	W7YOZ		68	56	CT1EEN
KC0V	W8GG	75	AA4S	EA5BY	K4ZIN
KE4DRF	WA2ONG	G4RGK	EH7CD	KI5WA	SV2AEL
KK4AND	ZS6NK	K3PP	K6CF	LU8ADX	
N2RJ		K8QM	KW4OV	NI6T	42
VE3GFN	81	N5GH		UX1UA	TF3JB
VE7DAY	AB4I	NP3YL	67	55	
W1WV	IK8YTA	NX7U	W7YED	LA3MHA	41
W3STU	KE4DZU	W5UC		US5WE	K0BBC/R
W4IT	KG4ERR	WP4NEG	66	WA2EMF	
W4RA	N6MM	ZL3AAU	K6KLY		40
W6ST	N7NEV		KK4YEL	54	E75AA
W7SIR	NI4Y	74		AG4KI	JF1LMB
W8DQ	W3MC	AK8B	65		JR0QFA
WA4WKL	WA8ZNC	CX4AAJ	JA1XEC	53	WB8TGY
WD4LSS	XE1EE	KF2TI	K5EJ	K0BBC	
WF4R		LU4FPZ	N7UJJ	PP1CZ	39
	80	TI2CDA	OK1MP		AA5PK
84	AC6BW	VE6SO	W4CCS	51	
CT3FT	KE4PT	WC6DX		CT1ETE	38
K4EZY	KW1DX		64	N8OFS	DD3KF
KE6NDG	N2NS	73	JG2TSL	VE9FCP	DU1EV
N1KI	VY2HF	JF1IRW			G4FKA
N2NWS	W5TTY	VP2MJD	63	50	IZ8EDJ
VE2WBK	W6TCP	W4WT	EA1DR	JL3MCM	K8YSE
W8PU	W7AM		KB0RFY		
W8SGR		72	SV1RK	48	37
	79	AB1QB		G8BQX	JA9APS
83	K4RW	N4II	62	JA9KRO	
AA6E	KP4N	PV8ADI	K4DXA	KI5KC	36
K1LH	N2COP			N6DBF	HB9RUZ
K4SQC	N5YJZ			N8MR	JH9DRL

35 GI4OWA LU9DO	25 EA4/K1WE HB9EFK	16 N6VHF	10 DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW	J15USJ JJ1IDW KB8VAO EN91KT M1VPN MU0GSY OH4UI OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ	2 5B4ALJ 7J1ADJ 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 E12JD KS4YX ON6AB PA7TWO	15 9K2BM E12GLB 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		
32 N3LRH N6PAZ NP4TT SM6WET YL2JZ	22 9H1SP IZ3ENH	13 K4WY PY2MC W4PWF			
31 HA5PT	21 EA1YN		7 G8APB IZ0INX JA2NDQ JI2UDK LA3DV N5ORT NJ4Y ZS4TX	3 DJ5AV DL2KQ EA1AR EA4D F1RAF G3LHJ GM4CFS HA9PP HL2ZN IK0WRB IK3ITB IK8EPC IK8GYS IW3GJF JH7IMX JM1GHT JN1BPM JR6IQI PY5IP SA7CJO SV1VN W1CBY WD9EWK (DM43)	1 3A2MW 9A2EY BD4UJ CT1AHU DH8BQA DJ3ZF DL2DCX DL4ZAB EA3WD EA4GQS G4VSS G6MXL G7SQS G8TTI IK5BSC IW0AFS IZ0BTV IZ3DBA IZ5FSA JA1GZK
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 E12JC HB9FMN JA7NGE JJ2NWI PY2VA		
29 JE1VTZ OE4VIE	19 EA6BB JI4WAO PY2HN SP8NR	11 A65BR DL2OE EA4DAU EA4ZK F4BDG G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU	5 DL5LH EA1AAA EA7ZY HB9GWJ JE1LFX		
28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V KJ4EU VE6TA (DO31) W0HBH				
27 IZ4DPV JL3LSF KC9ELU NL7CO WP4NIX	17 G3LZQ OE3SGU PY2XAT W0JM				
26 HL2WA WB7QXU					

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