

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 (14 Nov 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	W3CP	484	474	462	446
AA0MZ	W4UDH	K0SIX	W6XK	K6ZH	K6EID
AA5AM	W5ADD	W5VY		N6ORB	N4QS
AA5C	W5AFY	W5ZN	473	WE9R	NV4B
AA7A	W5AJ		NQ7R		
A15I	W5FF	483	WB00	461	445
K0GU	W5KI	AC0RA		NA9RB	KU7Z
K1TOL	W5OZI	K0TPP	472		N5NA
K4PI	W7GJ	K1USA	A11K	458	
K4XO	W7JW	W0VTT	KB7ME	K4MY	444
K5RK	W7KNT		N4WW	KG5THG	N7BAV
K5UR	W7MEM	482	N7ZO	N9BCA	NI0G
K5WE	W9FF	AD6D	WD8JJA	WB9CIF	W4DR
K7CW	W9JN	KX4R			
K7ULS	W9RM		471	456	443
K8SIX	W9XX	481	AF5CC	N4JQQ	AB4IQ
K9CT	WD5K	W9VHF	N5KO		K4XP
KA9CFD	WQ5S		WD5COV	455	N4MM
KA9FOX	WS9V	480		K4SO	
KD5M		K5GZR	469		442
KG5CCI	487	N7KA	K7BG	453	N8OC
KM0A	K7MAC	WB0ULX	KM0T	K4YMQ	NE1B
KO9A	K7TM	XE2OR	N4TB		
KR7O	K9YY			450	440
KV5W	N0AKC	479	467	AJ4F	AG9S
N0LL	N7CW	W5WVO	AD1C	N9BX	K8TB
N0LWF	N7IR	WA7HQD	WO7R		KB8VAO
N0PB	N7NW			449	W2IRT
N0TB	N9ISN	478	466	KF6HI	W3LPL
N1AV	NA6L	AE5B	KA0JGH	W8TN	W5THT
N3SL		N5WS	KB6NAN		
N3XX	486		N5EKO	448	439
N5DG	K1TO	477	ND4X	W5XC	WB8ZBT
N5OMG	KY7M	NC6K	WX7M	XE2K	
N6JV	N0KE	W9RN			438
N9LB		XE2CQ	464	447	KB9DAK
N9UM	485		KB9OWD	K4HB	
ND0B	K5ND	476		KS7S	437
W0FY	K9MU	K0BJ	463	N4SC	N9PGG
W0JW	N0POH	KC7QY	VE3EK	W3UR	NY0V
W0LGQ	W3IP	KC7V		W5EME	

436 K3SX K7PI KD3CQ W3TC WB8ART	425 K6ML XE2X	KI8G	K0AZ K5WBM KF7CQ	K6VHF VE3YXO	N2DPF
435 K9KLD KF6A WB7CJO	424 N4UFP N9AKR W3EP	409 N4HN	393 K7XC KK4MA W4TV	381 W3VZ	368 KB0V W5RCI W6GMT
434 K1HTV K1SIX	423 AJ4A NA6MG	408 W7BA	392 AF4HX VE4EAR W6OMF	380 K7MCX NM5U WA5LFD	367 KC4HW KR4BD NT9E W7YAAQ
433 N9FN W9WO	422 VE6WQ	407 W4AS W5CIA	391 W4AVY	379 N8WNA	366 AA4ZZ KI7JA N4LR
432 K6GXO N6KK W5TRL	421 K8ROX WB8BPU	406 AK3E K6FG VE2XK 6M FN07	390 NJ6D	378 WR7X	365 K4JJW KG7CW KZ2I WB4EVH
431 K0TLM N2QT	420 VE3LYC	405 AA4SC K5CKS	388 K0IP W4WRL	376 AA5JF K8GI K8VFX N1EVK N2WK	364 AB5EB JA7QVI N6QQ W7FI
430 K1TEO KF8MY N5TJ	419 K7NN W5AL	403 KE8KMX NH6T/W4	387 K2TER KV4T N4CH	375 K6QG WB4OQX	363 W4NH
429 WA5JCI	416 K4RWP K7ND	402 K3FM	386 N7IJ NN4R W5TFW W7AH WE4S	374 AB1OC N6GP N7DB	362 WA5OLT
428 K9APW KP4AJ N2NL N4TL	415 K5OMC K7AWB KO4MA N5SYV W0GJ WB5JID	401 K4CKS	385 KF0M NK1K VE6MB W4WTA	373 K4SSO	361 K7XB K8BL K9NR N7MB N8KOL NE9U NG4C
427 N4QWZ W3LL WA1EAZ	414 AH0U K7KQA W0GN	400 W0JRP W3UUM	384 AA1ON AB4SF K1GG K8ROK	372 W5MO	360 AA4FF K6UM (CN85) N3OC
426 K4ZOT K8ZR N5OK	413 WA9LFO	399 WA9DU	383 N4UFO	371 WA6BYA	359 NI0P
	411 K9MK N9EAT	398 K7SMA N5BO N8IEZ W1NG W5JAY		370 AG4W K5TN KN4SM KS4YT KV7K N3MK NT0V	
	410 KE7SW	397 K5RT	382 K5PI	369 KF8UN	
		396 KB8U			
		395 AA5XE			

358 K5RLA	K5EK	N0IGZ W3GQ	325 WA2AEY	NY2NY	W4FC WA0GUD
357 K4LVV W5PR	341 KD7DCR WA7YAZ	332 AA7UN N4JDB N7KDT VA3IKE W9GM	324 K9SH KU4A N2BJ N8HRZ VE3TMG	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN
355 N2ZX NY1V	340 N0AN W8LMG	331 K8WDA KC0UDO N4MW N6KZ VE7BV	323 K10E N8II W4MAY W8KEN WW0E	313 K0TC N6NR NF4A W4GLV W5RKN WA1NLG	302 KB2TGU W3TI
354 K0DEQ	339 KE4BKL VA7FC W5VAS	330 KB8MBC NK0S	322 VA6SZ	312 AF6O KA2GOJ WB3LHD	301 N0HJZ N2ZZ VE1JBC W7IB W9OBG WB0TVY
353 AF2K K0CS K8EB	338 N3RC VE3SXE WA5KBH	329 AA1QD N2JJ W1DYJ W2OR W8WG W9XA WX4G	321 NC7B NS4C W9VA	311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S
352 NZ3M W0KKK W1JR WA9PWP XE2ML	337 K8ZES W9EWZ WA5RT	328 K6ME N5PT W2CNS	320 K0VG N4DW	310 AA8SW NJ7G VA2WA W9KVR WO4DX	
351 AA4FL	336 AC9DX FG8OJ K5KDX K7BV K9QVB/9 VE3DS WO9S		319 N7US W4ER		
350 AB9BH N6VI N8YO			318 N3ALN W4HY	309 VE3XN	299 VE6WK W1LE W5SUM W8UV WB5GVY
349 K8JH KA0BAD	335 K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	327 K6EME KJ5RC N0YO NU6S W9DCT	317 N3PS W1SKU WA7PDC WO2T	307 KE5K W3ATV W9RPM WB4KTF	
347 KT8O					298 KD4WSC N1NK N4IQ
345 W3XY XE2YWH	334 K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	326 K2ZD K5DTC K6LMN K6TDI KD5XB NG7M W7JLC WF7T	316 K3FN KA0ABA N1KDO W4UCK W9BWR	306 K6RO WV9L	
344 K6FW KB0PE KG8P W1OW				305 K6UM (CM88) KF2T KT1J WA9M	297 N8YQX N9LF
343 AB4EJ	333 KM4HI KN4NN		315 K5VH KG6AY	304 K6IPF	296 K6YUI KC7RW

295 KE4P N7NT W2HRO	285 K5CZD K9UO N0LD	277 AC7JM NS4T PV8DX	N5EPA N5WD	K3TWK KB8UJZ N3EW	N2XQM W9TA
294 K6JSV NA5Z	284 AB0RX K0KP K4DET KX7L NJ2F (EL96) RETIRED	276 K2CS K2UU K5TWJ K7TAB KE8Y	268 K6OJ N9ZTS W0KAN	260 JR1LZK K6JAD N6HC W0PR	252 AB5A K1ACL NN4RR VE6NTT VE6SH
293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	283 W8OP WA0FQK WB0CQO	275 K1MAA K2NJ N4GG W0FK W8PI WA4NVM	267 K8DP KG6EG KX9N N2AMC N7UVH N8EHW W4FSO W5WP W9DRB	259 AK0MR KD4ADC KG6I KN5O N1RR NS7K NY1E VE6BMX W2JU	251 AD5JK K1NJ K3NK KG7NV NN4SS
292 KJ6P W1SSN	282 AA0ZP DK8NE K1ST K5TA N0GZ N8JCM W4WM	274 KB1DMX	266 K1OA K1WVX TG9AJR WB8EJN	258 K1BD K2HAT NA2NY WB7ECS	250 AA9LC K0CCM N8LRG NW6R
291 KS4S W1WHL	281 K4OY NL7CO W2YE	273 K2BLA KM4H KV1J WB0OQV	265 N5KS	257 K2KA K5QE KD4MYE N5DTT PY2XB WA2HF1/0	249 K8AO KQ5U N1GC
290 W3HDH WA8EFK	280 JG1TSG N0KV NM5Z	272 K0PG XE1AO	264 AC8L K4JAF N0TK N9JR NF1O	256 K3WA N8ZJN	248 CT1IUA K1ZZ W6VFA
289 K4MM K9FA N5BCA NQ7G W4LTJ	279 AA8MA KF9UG N3JPU W0RH W0VHF (EL87) XE1FAS	271 K4NNX K7NII KB7FUV W3HHN	263 AK4PR K3VAT K4XR K9AAA W7CT WB7QBS	255 K8MVZ KG4JPL W0NOZ WA8KNE	247 W1FKF W3TEF
288 AA4LR HC2FG K1NU N6AR W1DU W4HLR	278 AA9D AJ4W K3JT N0LNO N8BJQ NN1N WA4HFN	270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B	262 AE5FM K3CWH KL7HBK N4ST ND4DX WA0KBZ	254 KF8QL N7QOZ VE3OTL WD5ITW	246 K0DAS KK8X N5TIT W4FRA WI7P
287 JE1BMJ N8CGY	269 K1GJQ K2IE K3ZO KD5R	261 AF2F	253 KG4ERR	245 N1IA N3XF VA3CW W3SW WA8ZID	244 AA9RR

K8DV	K4NK	KE4UW	W8GJ	213	XE1J
KD8JSP	KL0S	N4NX	WA2BOT	K3DFL	
N3AIU (FM08)	MD0CCE	NN5DX		KI6X	205
N4JRY	N3FTI		221	W0NBC	AF4OD
VA3ZV	N9ATD	228	K5WMH	W8RD	K8SD
VE3VHB	W5AJX	K5RUS	K6CQR		KE4HOA
W0VD	W9OO	K7HSJ	N0PSJ	212	N5ITO
WD4IXD		KF2ZQ	N4ION	AB5C	N9ATF
	235	N8AIA	N5UWY	KF7NN	W8QID
243	ND0C	W5HEZ	W4IFI	N2OA	
JA1QJI	VO1GO			N5PA	204
K3TC	WB6RJH	227	220		IT9IPQ
W4EJ	WT2P	JA1UAV	HC1BI	211	W5LUA
YV1DIG	WZ9W	K8ZT	K7BTW	K9FOH	
		K9TF		NE8S	203
242	234	KS9A	219	VE3SMA	K0VSV
K3WW	CT1EEB	W4KXY	Ai9L	W5Hnk	K5HYT
KA3TCC	KE6FCT		K2RKJ		K5LOW
WA8MCD		226	KE5RV	210	N0HF
	233	AF5WN	W5JMW	K3MSB	N8SYF
241	K1AFC	N7CNH	W6DPD	K9YC	NR0Q
N6NU	N3AIU (DM45)	N8UR	W7ZSL	KL7NO	W1RM
W5LO	N9NJS	NM5S	WB2WIH (FN20)	N6UK	W9GFB
	VE7VZ	W0VX		PV8AZ	W9VOB
240	W3DF	WQ6Q	218	WQ9T	
AB5GU	W8PAT		K1XH		202
KG5EIU	XE1L	225	K4IJQ	209	K1BZ
KI0HA		AC9O	K8YC	AA4IB	K5GJR
KK4ZUU	232	K9QJ	KB8KVJ	N1TQ	WC7X
KO6LU	AE4WG	KX9X (EN50)	NI3K	W5WGF	WF8Z
VA3HP	K5FO	N2WSY		WA4NFO	WQ5W
W1VT	N9NJY	N4SV	217	XE2N	
WA2VJL	VE6TA (DO33)	VE3MSC	KB1HY		201
	W0PPA	W8AKS	ND4V	208	AA7WB
239		WN6W	W4DEE	Ai2N	KC5FP
F4BKV	231			CO8DM	KO9V
KF4LVF	K4MIJ	224	216	JM1SZY	KR0I
W6RW	K6HEW	JP1LRT	K7RB	KD5HIO	NN0K
W9YOY/M	KF6GYM	K9MQ	N0IS	PV8ABC	WA1MKE
WA3SEE	VA2CY	WA4YA	NE1F		WA9ASZ
WB1FLD	W9XT	XE1YY	W5RWF	207	
				K3HPA	200
238	230	223	215	N1BCL	4A2MAX
AA3GM	JM1IGJ	GD0TEP	AL7OC	N8NJA	N5AO
KV7N	K1ZE	K7UA	K2SX		N9AG
	KO4MM	NJ7A	KI5FJ	206	NA5C
237	VA3XJ		N2YU	AB0CT	VA3VU
K3FRK	WB0WAO/8	222	N6KW	AK4Y	W1AW
K3KO		K0YY		K9YC (EN61)	
K4QE	229	K2TV	214	KB0LYL	199
	K6RG	K3AJ	KB9PJL	NA5Q	JA8ISU
236	KB9RUG	KA1LMR	VE3SYK	W0BNE	K4GHS
K0SU	KD5IKG	KD4K	WA7AJ	W4EJG	N3KFV

NJ8J W4OEP WB0YEA	191 JR3REX K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	NA2R PY5CC W3OU W5BPT	NH7RO VA3DPB W8LHP WA4QMQ	173 K2ZZ K5YPV KE4SCY	TG9ADQ W1BAT
198 AC8TO N0UK N7EPD NX0I WA7KYM	190 K2WJ K5ER KC2DLD N9UA W1ATV W2OO	184 AF5Q K0DEW KR4M N1IBM N4BG	178 JR2HCB KA2AYR KB0EO KB1RZA KG5RJ KK8MM N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	166 KC2GHT N5VU NC4RY VA3WEB WB4KXS
197 K3EGE N4BAF W3TW W5CTV W9TD	189 KC0MEA W3SZ WA5VKS	183 K5RQ N0FJP N0UBL W2UDT	177 AG4ZE K2QQ KI4BWW SM7FJE W5ZG WA8UEG	171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	165 K4DXT KD5HPT N1JFU W0RIC
196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	188 AD7KI KD4HLG W4AZR W6AER WA7VHF WU9Q WX9M	182 AJ6T DF3CB FP/KV1J K5GMX K8WK W2CCC XE1CL	176 AD5ZA K0DI KX9X N5QGH NP4BM W5AFD WA5IPS WW2R	170 K5DB K9TVG N4GBK N8CN NA2U W4IHI W4JKC WK3V	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G
195 AA4W JA7MSQ K6VDP KC0VDY KG6WIK	187 JF8QNF K3EA KD3HN KQ0J N1SV	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF NY0A W2ZDP W4RBO W9BS WJ1B	175 PV8BR	169 K6XC KD5OMJ N2BEG N5XES N7PHY VE3HHT W8KNO	163 K2JF K2YSY KK0DX N5XZ
194 K2MRK N3FA N9NFT WF1H WK8A	186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH WA5RR	174 K3MD K6WRL KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1V7)	167 K71MQG KB1YNT KE5EP LU4FW N0NHW NO0T	162 4O3A AF4GK K0QB KA1R KD4TDI W9JJB W9VS WA1Z
193 K7PT K9AB	185 AD6W KD5BQT KU4UC	179 KU4WD N0LIE N0MMA			161 K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG
192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN					160 K5IQ WA3DRC

159 K4MZ NS7B W1EME W4TTO WB8NUT	152 N1NUM N2WM NU1T UT7QF W6IA WO4G	KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	140 AC5DK CO2WF CT1BWU JA1AFR K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VE3KY W4TUN W6DQ WA4KXY	NO1R OE6IMD W2JCN W4AVV W7UV XE2JS	131 K3NAT KG9R N2CJ
158 K8CR KI0D N2CG	151 K00Z W1ZT W2DXE	145 KD7YZ V31MD VA3TTX WA4JA	135 CU3EQ K4MWB K8ZIZ LY3W N4DB N8XE W6BXQ WB8BZK WW2DX XE1H	130 AB0X AK8CW K0GUR K4JKB KC4NX KE8RJU NG9R PV8AJ VE1DX VE2TZT W0PHX W2LES W3FEY WA2SEI WB4YDL WW5W	129 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR NZ6N
157 K4FX KB8GC WA7NB	150 K1EP N9LAH NE6I VE3OAT W7APM	144 K0TLG K5TDW K6JRA K8MN K8WU KA8SYV N9DI W5MPC WO7GI	139 IZ8FFA K1DT KC7JPC KU0G N3FX NA2AA W2PD W4OV WA5TKU WB2JIL WY0V	134 AB1NS AB4GE BA4SI C6ABB HK3W KE5FXE N3AIU (DN70) N8GOU W4TKI WA3WZR	128 KC7QAG KJ6SDF KN4DMN W0WT W5ZO W8FR WB2WEO WQ7F
156 K2KJ N3RN N9KO VE7VDX	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 KA5ETS KC1RET KE1VT KM8V N7T W0RT W4GE WW7Q XE2O	127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV
155 AE4M K3TD K6XN N7AU N9OBE NY4I TG9ANF VA3NQ WV8DX	148 AC0DQ AG0A G0OIL K0RU K7IU KB2YSI N0TM N5ZBI W6VNO (CM88) WB6RAB	141 K4AR K9ATX KT8TD N9FIV W4FS W4POT W6ZI WB9WHQ WR7AY	137 N1SZ N5JGK SM7AED	132 AB3CV IC8TEM K5VG KW4G N4PPH NE1I VE3TM WN6K	
154 AE4NT KB9VMW W3ZQN	147 AF6AV IZ1LBG K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YGQ				
153 AA4NC AB4GG JA1OVD K7AD K7ZD KW0A N1OFZ N2ADV N6DHZ W3DQS W5FI W9ILY WB5ZAM	146 K2GW K8YTO KB0YH				

KC0RQH	W5EWF	K4MSG	KE6TVM	111	VY2RU
N2ZA	W7MHW	K7JIZ	KF0QS	N0SLT	W4AMP
NO8D	W8BI	KF7PCL	KM5FA	N8IK	W4CRN
VE2JWH	W8KHP	KP3V	N7VGO	PC3T	W5AAJ
W1FLD	WA8WV	KT0P	VK9DX	W8GBH	W8EH
WA6BIL	WB2RVX	KW7N	WA3BZT	WZ8P	W9VNE
		N4UPX	WC7V		XE1R
		W0QC		110	
126	122	W4SW	114	K5KR	107
KJ7G	GM4UYE	W7QQ	AC8HU	K7LD	G4BWP
N0BDS	K7AED	WI4T	K2RET	KD5J	JA3EGE
N7DGI	K7OGW	WM9M	K3RTU	KI0F	K5UIC
WB4HUC	KA9JAC		K9AAN	KP4JRS	KF7PG
YL2AO	KB4UF	118	KC4GCK	KQ4LA	KI9A
	KB5WFE	J68AS	KG9Z	KX5U	KK4LUM
125	KC5UGX	K4AZV	NF8M	N5TIF	N3TTT
AA6I	N5HYV	KA4LBD	VE1WOW	N5YM	N9OI
AA7DK	VE6PY	KF6MXK	VE3IRR	W5DM	NF0T
K3PU	VE7JAC	KI7BP	W2JLK	W7JET	US0KW
KC5DRI	WD0GTY	KT8X	W4ALF	W7UP	W2ODH
KD2NF		KW4BY	W4UFO		W2TTT
NT7C	121	N1QDQ	WO2C	109	WB4PPW
W2AJM	AE1P	N3JNX	WX4US	AK6ZZ	
W3UQH	K0MFI	N5EIL		IW1ARB	106
WA6POZ	K4HBI	NZ1I	113	K2DSW	EA4DEI
WB4OMM	KB2WAL	W2AC / WB2ABK	AB4PM	K2JGL	K0MEI
WE1P	KB5MH	W2AC/WB2ABK	AD5MD	K2OO	K5BJW
	KE4JFS	WB2KSK	K3DQB	K5DNL	K7BWH
124	NE0P/9		KD4BPZ	K9GY	K7JE
K0DLW	UR0MC	117	KD6VCD	KE6GLA	KB0TIJ
K8VA	W8DN	AB5J	KM5OL	KJ6CA	KC7ICM
KB0HH (EM06)	WB9TFH	K4WS	N3JDQ	KZ7N	KE5JXC
KD5FTD		N4USG	N4YCI	N8TMW	KJ6MBW
KM1C	120	N5JEH*	N5YK	N9TTX	KK2DOG
KT5MR	EA1YO	N5LPT	W0BM	NN9X	N0RQ
N0SL	K2CYE	NU6V	W8MSP	VE3AAQ	N1USB
N9AZZ	K4CGY	W6WE	W8VW	W0YJT	N2IPH
PV8AAS	KD0R	WA1TBV	WD0ENC	W1OP	N4CE
W0PE	KD4MZM	XE2PXN		W4ZRZ	N5FPW
W1TAM	KD5BRF		112	W5MPC/1	N5YHF
W7YM	KE4SCY (FM06)	116	K2MLS	W7RJR	N8HM
W9CDL	N3YPJ	IK7EOT	K3GD	WB6YIY	N9XMU
	VE1JC	JA3LZS	K5WTA	WB9W	VA3OKG
123	VE3XK	JR1BAS	KA7T		VE3AJY
AC7AF	W4LVH	K4RGN	N5HMH	108	WB6VYH
K9SM	WA6RAY	KI6QDH	W1TR	CF3VRQ	WQ9F
KB0GT	WB0WAO	KU5B	W5DQ	HB9BZA	
KB0STN	WD4OHD	N0VR	W6OAT	JA9IPF	105
KG6DHQ		NO0B	W7IV	K5OPB	AC4Q
VE3TG	119	W0DHB	W9PN	N3MWQ	K4SJA
W1HS	AE5AU		WA8TWM	N5DD	K9MAL
W3SE	K0AWU	115	WX3P	VE3SUB	KB3JGS
W4DFU	K1ZN	K9MMS	XE1GK	VE7IG	KC0JYT
W4PRZ	K2SQS				

KC4KK	KC9FFV	KG9IL	K0YO	KK0CQ	W4CWA
KF4DGS	KF0AIJ	KR4WM	K4KEW	KY0Q	W4DAS
KJ7TH	KF4DVG	KR7LD	K4WQ	N0JJQ	W4ID
N4NQY	KR4NO	N1IX	K4ZO	N1JHJ	W7DN
N5SAN	N0YXE	N4AOE	K5VPQ	N3LRP	WA6OSX
N7YY	N1JIF	N8VEA	K7DD	N5TEY	WA9LEY
NE9O	VE7DXG	N9DVS	K7PAP	N8AID	WB8RVK
PU4JOE	W0TF	ON9CMR/W0	K9ZZE	NO5X	WB8ZTV
VE3VRQ	W3LEO	VA2LGQ	KA0ZEE	NO8R	WB9PNU
W8MIL	W6IT	W4LLP	KC2IEB	VA3VF	WE8L
W9RVG	W6XU	W5KBD	KC6X	W2KRP	
WA4MYO		W7ISG	KD4MWO	W6TE	96
	102	WB8IMY	KD6RUH	WA2FGK	AD5OW
104	AA9MY	WD5IYT	KR4UA	WA3TLT	AE4TQ
AB9YC	AB8JH		M5MYH	WB1GQR	AK4F
AC5K	AD6KH	100	N4FV	WB2YDS	K2CK
AC5RN	K0HAQ	AC0FT	N5OHL	WD0E	K2UF
AC9QR	K3HW	A12S	N7HRT	WH6LR	K2UNK
IK4DRY	K5VR	A19U	N7JPF	WT5H	K4EQH
K5PPP	K9AM	K2UA	N7TE	WV5Y	K5CRJ
KB9RNO	K9OHI	K4UQC	N8GHZ		K8EMR
KC2TR	KA3ZLS	K5GM	N8YV	97	K9OT
KD9GKL	KB8CR	K5KV	N9MKC	AB8M	KA2NDX
KJ7OG	KC6WFS	K8IJ	NB5R	AJ9C	KA3HED
KM6WXB	KC8DMN	K9CC	NH6CJ	K0HB	KB5GI
KO4LZ	KD8NYO	KB9ZLB	NI5W	K0JQZ	KB8PNS
N0STP	KE1AU	KC2HLI	NS2P	K0QEI	KC0HBP
N1LDY	KJ4M	KC8CC	VE2HAY	K0SH	KD6PY
N2FBQ	KR5V	KC9CMT	W2HOG	K0YQ	KI5TE
N3UPS	N1HOQ	KD3SW	W2VU	K3HZO (FN20)	KM2O
N7AGF	N5RMS	KE5CVM	W5JLC	K4GTR	KM5NU
NJ1H	VE7ZD	KF0Q	W6TJU	K4JQU	KS4V
VE2PIJ	W4RVZ	KG5X	WA1LAD	K8XF	KT5RR
W1TE	W5DPT	KJ5OA	WA5TRX	KA2BSK	N0WVU
W1ZE	W5OV	N3TBB	WB5NHX	KA7EII	N2LID
W4KVS	W7UT	N4NIA	WB7VVD	KC0YBM	N2VHZ
W6ZQ	W9NFL	N5RZK	WK5X	KD5CKP	N2XK
W9MDB	WA8EQP	N5XTR	WW2R (EL09)	KF4KSN	N8PAQ
WB2VUO	WB5FDP	N7EME		KM4NYI	N8YBY
WB8BZK/VE3		N8COP	98	KT5WB	NT2A
WG3K	101	N8XS	AC2RL	N1SFE	NW5Q
	AE7V	VP2MRM	AD8Y	N1VMJ	NY2Z
103	K0RAR	W2CH	K0KC	N3UMA	VE2DCP
AA5CK	K0SBV	W4/KL7GLL	K0UD	N4BH	W1HMM
AB0YM	K0WJ	W4OZK	K3IXD	N5OTY	W4KK
AB5SS	K2NUD	W8BZY	K3QIA	N6MA	W4TMR
K2OY	K5DWI	W9DQ	K4OP	N9APK	W7JHS
K4MVL	K5HX	WA5TLP	K5HOB	N9IO	W8DM
K6USY	K7SYS	WV9E	KA1EKR	N9KY	WA3EEC
K8ZEE	KB4KBS		KE4LGL	NK7C	WB0M
KA1W	KC6AWX	99	KG4YOU	NU0Y	WB5KJE
KB0FHP	KC8CSD	AB0SD	KG7E	VA3FIN	WP4LNY
KB2SGX	KG8WB	AB3TM	KJ2G	W3QT	

95	K4YJ	K5TRI	N0RC	W4MLN	KA0MWA
AE0G	K8GT	K6RM	N2SG	W5KDA	KF4TVL
AE5EO	K9DOG	K7IP	N3GH	WB0NRV	KI0G
K1PNQ	K9SUL	K7TRK	N4VN	WB7X	KI4FW
K4ED	KA2F	KB0USF	N5QO	WC4V	KI4US
K8KFJ	KA9UVY	KC5TGT	N6FD	XE1GZU	KR4U
K8ME	KB7AK	KC5TT	N6RPM		N2GZ
K8VD	KC0AUJ	KC9TTR	N7DED	90	N5KAE
KD7WH	KC3AK	KC9UL	NS6E	AA0LM	N8YSZ
KD8DR	KD4VRZ	KD0QG	UT5JAJ	AB4WL	N9RG
KD9ZR	KE3WM	KE6AZX	W1PV	AB9DU	N9UDX
KF6XA	KF0LA	KE6UMW	W2ACY	AF5BG	NE2U
KI0SK	KG4NLZ	KE8RPJ	W2CVW	DL1SMA	VE3VCF
KW9U	KU4JZ	KI0J	W3ACO	JH4JNG	W0HRO
N1XK	N0LNE	N2BX	W3HZU	K1HC	W1HY
N2SLO	N0LP	N2YTF	W4BP	K1KA	W2JEK
N2WLS	N2SU	N3AO	W4LIA	K3CWF	W2OK
N3WAV	N3JBH	N3ZBK	W6NS	K3UAL	W4ZMM
N4ET	N3XBG	N4GOA	W8JV	K4AAP	W6VNB
N5BLY	N3YUG	N4YHC	WA3JKB	K4FTP	W9HT
N5ENU	N5ZMP	N7EGY	WA4EEZ	K4XZ	WA7SDI
N5KI	N6HY	N7JI	WM3O	K8EAB	WB3IAL
N9IV	N6MXU	N7KSI		KA5TJI	WM6Y
N9LJX	N7NH	NA9D	91	KB5FHK	WQ5C
VA3KS	N7UN	VA7QI	AA0CW	KB7BSA	WR5AY
VA3PZ	N8WWM	VE3WMD	AD3Y	KK4DZP	XE2NL
VE3KZ	N9DD	W0MHK	CO2WZ	KW3DX	XE3DX
VE3SPW	N9UNX	W2VTV	K1UR	N2ULL	
W3UA	VA3MA	W3ZGD	K4SPA	N4BRF	88
W4YZJ	VE3RX	W4GPM	K6YK	N5BA	AA4QE
W5ADA	VE5MX	W5DMT	K7HPN	N9JJ	AE0DX
W5CBF	VE7AB	W7EIR	K8OI	N9MSG	AE4OF
W5RCQ	W2GR	W7TRX	KB2YWU	VA3XOV	AF4MI
W7JWC	W3IPA	W9IFW	KB3IAI	W9CPV	K1RS
W9SX	W3TA	W9NED	KB3NDS	W9CSY	K3TN
WA2ONK	W4LNG	W9WI	KB7AZ	WA2BEV	K4XD
WA3I	W5ODD	WA5ICA	KC5POV	WA8OJR	K7CTV
WA4WR	W5PUF	WB5CON	KC8LGL	WD9HCF	K7WV
WB2SIH	WA7LHZ		KG4QWC	WE7H	K7ZYV
WD8DOT	WA9BXB	92	KI3O	WEST SEATTLE	K0MA
WS4S	WT9U	K1EY	KI5BLU	WH6LE	KB2KIR
XE2AT	WV7S	K5GDX	KM7N	WT4C	KC1GWX
		K5TDA	KM9I	XE3/K5ENS	KC3MLC
94	93	K7FU	KQ6K		KE7RTB
AA4RP	AG2A	K7HKR	N3PPH	89	KE8UM
AB4VT	AG6CV	K7UWR	N3WCM	AB1TZ	KI2D
AD1DX	A18F	KB0PQP	N7CZ	AG2AA	KI4RFM
HK4SAN	K0IW	KC4JNW	N8DEZ	AG7NR	KJ4KW
K0ARM	K1PTF	KD4QMY	NA7L	G4NBS	N1CEO
K3BEE	K1ZK	KE4WBO	NR4J	JQ1TIV	N2MKT
K3TUF	K2AK	KG4URP	NU4N	K4BMM	N2ZN
K4JRK	K2MTS	KM3V	OE9KFV	K5CX	N4CAG
K4LDC	K4DAM	KR7X	W2SUB	K5JAZ	N4GN

N4KIN	W8IW	W7USB	78	WC5M	58
N4UC	WA1PMA	WD6T	K2QPN		HB9BIN
N5VBK	WA4USA	WD9IOK	TG9AWS	70	KC6NBI
NS3X	WB4GCS	WI6Z	W4NE	GI4SJQ	SV8CS
NT4TN	XE2AU	XE1MM		K4BNC	WA2MUA
VE2VLJ			77	KC0ZRX	
W2BZR	85	82	K1IFJ	W2LV	57
W3YX	EI3IO	AD4IE	MI0AYR	W2QO	HL2EIZ
W4DL	K1UU	K4JMX		W4GP	IK1ZOF
W4R XR	K4LRP	KC5YKX	76		N5LJL
W7HDD	KB3MXK	KG4KVZ	K0WYN	69	
WA2BTR	KC0V	N1SF	KI4CYB	K3WGR	56
WA5MD	KE4DRF	PU8TEP	KI7WXP	WD4LBR	EA5BY
WK3N	KK4AND	W5DAS	N1GNB		KI5WA
WV8O	N2RJ	W7YOZ	N2MH/4	68	LU8ADX
XE1SOV	VE3GFN	W8GG		AA4S	NI6T
	VE7DAY	WA2ONG	75	EH7CD	UX1UA
87	W1WV	ZS6NK	G4RGK	K6CF	
AC0A	W3STU		K3PP	KW4OV	55
AG4I	W4IT	81	K8QM		G4FKA
K4JC	W4RA	AB4I	N5GH	67	JL3MCM
K5UZ	W6ST	IK8YTA	NP3YL	W7YED	LA3MHA
KB1VUN	W7SIR	KE4DZU	NX7U		US5WE
KC8NAH	W8DQ	N6MM	W5UC	66	WA2EMF
KE6WOX	W9QY	N7NEV	WP4NEG	K6KLY	
KI6RRD	WA4WKL	NI4Y	ZL3AAU	KK4YEL	54
N0ELA	WD4LSS	W3MC			AG4KI
N2CJN	WF4R	WA4ZXV	74	65	
NA5DX		WA8ZNC	AK8B	JA1XEC	53
NE5S	84	XE1EE	CX4AAJ	K5EJ	K0BBC
NI5F	CT3FT		KF2TI	N7UJJ	PP1CZ
NN7RM	K4EZY	80	LU4FPZ	OK1MP	SP5QWB
W8GOC	KE6NDG	AC6BW	TI2CDA	W4CCS	
WB3IGR	N1KI	KE4PT	VE6SO		51
WB8JAY	N2NWS	KR4Q	WC6DX	64	CT1ETE
WF4W	VE2WBK	KW1DX		JG2TSL	N8OFS
XE1RBV	W8PU	N2NS	73		VE9FCP
	W8SGR	VY2HF	JF1IRW	63	
86		W5TTY	SV1RK	EA1DR	50
AG1T	83	W6TCP	VP2MJD	KB0RFY	N6DW
K7FB	AA6E	W7AM	W4WT		
KA9OKH	DL5XJ			62	48
KB7JJG	K1LH	79		K4DXA	G8BQX
KI6HQT	K4SQC	K4RW	72		JA9KRO
KN4MMH	K6JJ	KP4N	AB1QB	61	K5XI
KP4TB	K6UIP	N2COP	N4II	CU3AN	KI5KC
KT1R	K8SIA	N5YJZ	PV8ADI		N6DBF
N2NF	KB3HHA	N9RC		60	N8MR
N3MVF	KB9LIE	VE3CFK	71	KP4JFR	NP3IR
N8TFD	KK7BV	W2GW	K0GW	S55DX	YY4DNN
NZ3O	KU4WW	W2SKI	K4GK	UR9QQ	
VA3MDB	TG9AKH	WN0L	K5WPN		47
VA7LM	W4HFZ		W2YR		HB9RYZ
			W3FGP		

46 LU2DX	34 G4SEU LA2QM	KS4YX LA6OP ON6AB PA7TWO	15 9K2BM EI2GLB HL4GAV JR3UIC LU5FF PY2RN UT3UA UX0DL WC2C	HB9FMN PA5KT SV2DCD TF3Y UR7DWW	MU0GSY OH4UI OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ
45 JA6WJL K4TXJ	33 HL2IFR UR5WA W8GC WB4SON WB8TGY (EN72)	23 GM4ILS HB9G JL1UXH K4SLC KP4EIT W8MK	14 HB9HIT JA2XCR KB8DVT PV8RR PY2OC W9TTY	9 DL7BA EB1EWE EC7ZK G6BFP JA1MZL JA2FGL KB4YKC KD3UY	4 CT7/RC2A F1DFR IV3GOW JG1JPE JH7IPR JK6DXD S51NM UT5EL XE1SAX
44 WO3T XE2YWH/1	32 N3LRH NP4TT SM6WET YL2JZ	22 9H1SP HB9ALO IZ3ENH	13 K4WY PY2MC W4PWF	8 DK2LO JA1CPU JE3PCP N8RO OH8LXT	3 DF1ZN DJ5AV DL2KQ EA1AR EA4D F1RAF G3LHJ GM4CFS HA9PP HL2ZN IK0WRB IK3ITB IK8EPC IK8GYS IW3GJF JH7IMX JM1GHT JN1BPM JR6IQI PY5IP SA7CJO SV1VN W1CBY WD9EWK (DM43) YB1TJ YL2CA YL2MU
43 8P6SH CT1EEN K4ZIN SV2AEL	31 HA5PT	21 EA1YN	12 EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB	7 G8APB HB9GWJ IZ0INX JA2NDQ JI2UDK JJ2NWI LA3DV N5ORT NJ4Y ZS4TX	
42 TF3JB	30 E72X JA1WSK JL3LSF JO7WXN WA6DNR	20 CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA	11 A65BR DL1TS DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU	6 CT2FEY DH0GSU DL1TRK EA8MT EI2JC JA7NGE PY2VA	
41 K0BBC/R	29 JE1VTZ OE4VIE SP5APW	19 EA6BB JI4WAO PY2HN SP8NR			
40 E75AA JF1LMB JR0QFA N6PAZ WB8TGY	28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V KJ4EU OE3SGU VE6TA (DO31) W0HBH			
39 AA5PK HB9EFK	27 IZ4DPV KC9ELU WP4NIX	17 G3LZQ PY2XAT W0JM			
38 DD3KF DU1EV IZ8EDJ K8YSE VK5PJ	26 HL2WA WB7QXU	16 N6VHF	10 DL4CF HB9BOS	5 DL5LH EA1AAA EA7ZY JE1LFX JI5USJ JJ1IDW KB8VAO EN91KT M1VPN	
37 BA7NQ HB9RUZ JA9APS	25 EA4/K1WE				
36 JH9DRL	24 EI2JD F4BDG				
35 GI4OWA LU9DO					

2
5B4ALJ JA7VXB
7J1ADJ JH8XVT
9A2GA JJ1PFC
9K2NO JL2ULM
BV6CC JN3ONX
CO6CBF KC3KJQ
DF8FT KG4JSZ
DK1CO KH6WI
EH4BPJ KP4DER
ES8JX MM0INH
F5TMJ OK1UU
G0THY ON6NA
G4DDL OZ1IKY
G8GNI PU5SVE
GI4ONL SM3GBA
IK1IYU SM6LPG
IK2GOQ SQ5NRY
IZ8XQC UN8G
JA6AVT UR5EDX
JA6SZV VR2VGM
JA9FAI WB7VUF
JP1HDK YO8WW
K7LY
KEN IN NEBRASKA
LA2CQ
OH3KAV
SV1XV
SV3FUO
YB2DX
YL2KF

1
3A2MW
9A2EY
BD4UJ
CT1AHU
DH8BQA
DJ3ZF
DL2DCX
DL4ZAB
EA3WD
EA4GQS
G4VSS
G6MXL
G7SQS
G8TTI
IK5BSC
IW0AFS
IZ0BTV
IZ3DBA
IZ5FSA
JA1GZK