

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 (24 Jun 2026). 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	W4UDH	484	474	461
AA0MZ	W5ADD	AD6D	K7KQA	N4JQQ
AA5AM	W5AFY	AF5CC		NA9RB
AA5C	W5AJ	AI1K	473	
AA7A	W5EME	K7BG	NQ7R	460
AI5I	W5FF		WB0O	K5OMC
K0GU	W5KI	483		KF0M
K1TO	W5OZI	AC0RA	472	W3UR
K1TOL	W7GJ	K1USA	KB7ME	
K4PI	W7JW	W0VTT	ND4X	459
K4XO	W7KNT	W5TRL	WD8JJA	N5NA
K5RK	W7MEM	WB0ULX	WE9R	
K5UR	W9FF			458
K5WE	W9JN	482	470	K9NW
K7CW	W9RM	K0BJ	WO7R	KG5THG
K7ULS	W9XX	KX4R		N9BCA
K8SIX	WD5K		468	NA6MG
K9CT	WQ5S	481	N5EKO	
KA9CFD	WS9V	KC7QY	VE3EK	457
KA9FOX		N4WW		K4HB
KD5M	487	N5WS	467	N9PGG
KG5CCI	K0SIX	W9VHF	NY0V	NI0G
KM0A	K0TPP	WA7HQD		
KM0T	K7MAC		466	456
KO9A	K9YY	480	KA0JGH	AJ4A
KR7O	N0AKC	K5GZR	KB6NAN	N4QS
KV5W	N7CW	N4TB	WB9CIF	
N0LL	N7IR	XE2OR	WX7M	455
N0LWF	N9ISN			K9MK
N0PB	NA6L	479	465	WA9DU
N0TB	W3IP	W5WVO	XE2K	
N1AV	XE2CQ	W9RN		453
N3SL			464	K4YMQ
N3XX	486	478	AJ4F	K7PI
N5DG	K5ND	AD1C	KB9OWD	KB9DAK
N5OMG	KY7M	AE5B		
N6JV	N0KE		463	452
N7NW	N7KA	477	K4MY	N5BO
N9LB	WD5COV	KC7V	W5XC	N9BX
N9UM		N5KO		NE1B
ND0B	485	N7ZO	462	
W0FY	K9MU	NC6K	K4SO	451
W0JW	N0POH	W6XK	K6ZH	K5WBM
W0LGQ	W5VY		N6ORB	KD3CQ
W3CP	W5ZN		W5THT	

450 K3SX K8ZM KF8MY	438 N5TJ	422 VE6WQ WB5JID	407 W4AS W5CIA W5PR	394 AA5JF K6RO KT8O
449 KF6HI W8TN	437 K5RT KK4MA	421 WW1L	406 AK3E K6FG K8EB N4UFO	393 K1GG K7XC KV7N WR7X
448 KP4AJ W3LPL WB7CJO XE2X	436 N9FN W3TC WB8ART	419 K7NN W0GN W5AL	405 AA4SC K3FRK K5CKS NE9U W0MU	392 AF4HX W6OMF
447 AH0U KS7S N2NL N4SC	434 K1SIX K8ROX VE3LYC W3LL	417 NJ6D	404 K8JH N2ZX VE4EAR W5SUM	391 AB4SF AD5A W4AVY W6TMD
446 K1HTV K6EID WB8ZBT	432 K6GXO N6KK	416 K4RWP K7ND KO4MA NI0P	403 NH6T/W4	390 KI0E KZ2I
445 K4XP KU7Z N4LR N8OC	431 K0TLM	415 K7AWB W0GJ	402 K3FM K7SMA	389 W5MO
444 N7BAV W9WO	430 K1TEO	414 AA1ON K0DEQ N0GZ W4TV	401 K4CKS	388 K0IP W4WRL
443 AB4IQ K5XI N4MM	429 K4ZOT K8ZR WA5JCI	413 AE5FM WA9LFO	400 K2TER W0JRP W3UUM	387 KV4T N4CH
442 AG9S N2QT N4TL	428 K9APW	412 VE2XK 6M FN07P	398 N8IEZ W1NG	386 N7IJ NN4R W5TFW W7AH WE4S
441 K8TB K9KLD WA1EAZ	427 W0RH	411 N9EAT	397 KE4TH	385 NK1K VE6MB W4WTA
440 W2IRT	426 N5OK W5JAY	410 KB0V KE7SW KE8KMX KI8G N4HN	396 K6VHF KB8U	384 K8ROK N2WK W7FI
439 N4QWZ NM5U	425 K6ML	409 N1EVK N5SYV	395 AA5XE K0AZ K5XM KF7CQ WB4EVH	382 K5PI VE3YXO
	424 N4UFP N9AKR W3EP WB8BPU	408 W7BA		
	423 W4DR			

381 AG4W W3VZ	W8LMG	356 K7PT	343 K5EK N3RC N6KZ N8HRZ	K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC WB5TOI
380 K7MCX NE6I WA5LFD	368 K0DD W5RCI W6GMT	355 KD5XB N3AIU (DM45)	341 KD7DCR NX7U WA7YAZ	333 AA4LR K0TC KM4HI N0IGZ W3GQ
379 AB9BH N8WNA	367 KC4HW KR4BD W7YAQ	354 NU6S	340 N0AN	332 AA7UN N4JDB N7KDT VA3IKE W9GM
377 AB1OC NT9E WA1NLG	366 KI7JA	353 AF2K K0CS WA9PWP	339 KE4BKL VA7FC W5VAS WB0OQV	331 K1GJQ K8WDA KC0UDO N4MW W3TI
376 K8GI K8VFN N3OC	365 K4JJW K7XB KG7CW	352 KF9UG VE3DS W0KKK W1DYJ XE2ML	338 N9JR NA5Z VE3SXE W9XA WA5KBH	330 KB8MBC KG6AY W8PI
375 K6QG WB4OQX	364 AB5EB K0RAR N6QQ	351 AA4FL K5DTC	337 K8ZES W9EWZ WA5RT WW0E	329 AA1QD N2JJ W2OR W8WG W9DCT WB4KTF WX4G
374 K0TT KV7K N6GP N7DB NY1V	363 AB4EJ W4NH	350 N6VI N8YO	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3XN WO9S	328 K6ME N5PT W2CNS WB3LHD
373 K4SSO	362 W1JR WA5OLT	349 KA0BAD KB1EFS	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KM3V KN4NN W4ER W9GKA WA7PDC	327 KJ5RC N0YO W2JU W7YA
372 JA7QVI N0FJP	361 AC9DX K6EME K8BL K9NR N1KDO N8KOL NG4C	348 N1JFU NJ7G	334 K6FW KB0PE N8LRG W1OW	326 K2ZD K5KEW
371 AA4ZZ N3PS WA6BYA	360 K6UM (CN85) W0NOZ	347 W2HRO		
370 K5TN KN4SM KS4YT N3MK NT0V W4FC	359 AA4FF			
369 KF8UN N2DPF	358 K5RLA KG8P NK0S			
	357 K4LVV			

K6LMN K6TDI NG7M W7JLC WF7T	315 K5VH NY2NY XE1AO	304 K6IPF NS4T WA0GUD	XE1YY	K0KP K4DET KX7L NJ2F (EL96)
325 WA2AEY WX0Z	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN	294 K2UU K6JSV W7IMC	283 N5OHL WA0FQK WB0CQO
324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY	313 JE1BMJ N2ZZ N6NR N7UVH NF4A W4GLV W5RKN	302 JG1TSG KB2TGU N3KN	293 K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K0PG K5TA N8JCM W4WM
323 N8II W8KEN WO2T	312 AF6O KA2GOJ	301 N0HJZ W7IB W9OBG WB0TVY	292 KJ6P W1SSN	281 AA8MA JR1LZK K4OY NL7CO W2YE
322 K0CAO N3ALN VA6SZ	311 AC9S KM3T KS4XQ W2BZY W5DB	300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH WX2S	291 KS4S W1WHL W2CCC	280 N0KV NM5Z W1FKF
321 N0LD NC7B NS4C W9VA	310 N1NK W9KVR WO4DX	299 DK8NE VE6WK W1LE W8UV WB5GVY	290 WA8EFK	279 N3JPU W0VHF (EL87) W8GJ XE1FAS
320 K1ST K7LOL N4DW	309 AA9RR KK0DX WA8ZID	298 K0MLD KD4WSC N4IQ	289 K2BLA K4MM K9FA N5BCA N7RO NQ7G W4LTJ	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N
319 KF2T N7US	308 WA4HFN	297 KG5EIU N8YQX N9LF	288 K1NU W1DU W4HLR	277 AC7JM PV8DX
318 W4HY	307 AG1A KE5K W3ATV W9RPM	296 K4XR K6YUI KC7RW	287 K8DP KC7MRQ N8CGY WA4NVM	276 HC1BI K2CS K5TWJ K7TAB W9OO
317 KA8SYV W1SKU W3HDH	306 K4QE KE8Y WV9L	295 KE4P N6AR N7NT	285 AB0S K5CZD K9UO NS7K	275 K1MAA
316 K3FN KA0ABA W4UCK W9BWR	305 K3VAT K6UM (CM88) KT1J WA9M		284 AB0RX	

K2NJ N4GG VE6TA (DO33) W0FK	W5WP W9DRB	258	250 AA9LC NW6R	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL
274 KB1DMX WA8MCD	266 K1OA K1WVX TG9AJR VE3MSC WB8EJN	AB5GU K1NJ K2HAT NA2NY WB7ECS	249 CT1IUA K8AO KQ5U N1GC N5SMQ	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD
273 KM4H KV1J VE6SH	265 N5KS W7CT	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB W0PPA WA2HF1/0	248 K1ZZ W6VFA	238 AA3GM JP1LRT
272 KF8QL KO4PRE N4SV	264 AC8L K4JAF N0TK NF1O	256 JM1IGJ KL7NW N8ZJN	247 JA1UAV N5DD W3TEF	237 K3KO
271 K7NII KB7FUV KL0S W3HHN W3SW	263 AK4PR K9AAA WB7QBS	255 K8MVZ KG4JPL NI3K W4HFZ WA8KNE	246 K0DAS K8YC KK8X N5TIT W4FRA WI7P	236 K0SU K4NK N3FTI N9ATD W5AJX
270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B	262 K3CWH K5VR KD8JSP N4ST ND4DX WA0KBZ	254 N7QOZ NR0Q VE3OTL WD5ITW	245 AE4WG N1IA N3XF N5PA VA3CW	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W
269 K2IE K3ZO KD5R N5EPA N5WD VA2CY	261 AF2F K3TWK KB8UUZ N3EW W6TCP W9TA	253 F4BKV KG4ERR N2XQM	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	234 KE6FCT
268 K6OJ KI0HA N9ZTS W0KAN WB9PNU	260 K6JAD K9MQ N6HC NT7C W3DF XE1YD	252 AB5A CT1EEB K1ACL K3NK N9ATF NN4RR VE6NTT	243 JA1QJI K3TC W4EJ YV1DIG	233 K1AFC N9NJS VE7VZ W8PAT W9TD XE1L
267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO	259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA	251 AD5JK K9QJ KG7NV NN4SS W2LV	242 K3WW KA3TCC	232 IT9IPQ K5FO KK8MM N9NJY WA2OTC
			241 N6NU W5LO	231 AI9L

K4MIJ	223	N2YU	206	K6ZZ
K6HEW	K7UA	N6KW	AB0CT	LU4FW
KF6GYM	NJ7A		AK4Y	N5AO
W9XT			CT3MD	N7PHY
230	222	214	DJ5FI	N9AG
JM1SZY	K0YY	JA7MSQ	K4GHS	VA3VU
K1ZE	K2TV	KB9PJL	K9YC (EN61)	
KO4MM	K3AJ	KC7OD	KB0LYL	199
VA3XJ	KA1LMR	VE3SYK	NA5Q	N3KJV
WB0WAO/8	KD4K	WA7AJ	W0BNE	W4OEP
	WA2BOT		W4EJG	WB0YEA
		213	XE1J	
229	221	K3DFL		198
K6RG	K5WMH	KI6X		AC8TO
KB9RUG	K6CQR	W0NBC	205	JR2HCB
KD5IKG	N0PSJ		AF4OD	N0UK
KE4UW	N4ION	212	K8SD	N7EPD
N4NX	N5UWY	AB5C	KE4HOA	NX0I
NN5DX	W4IFI	JF8QNF	N5ITO	W8DM
W5LUA	W5JMW	JR3REX	W8QID	WA7KYM
		K3EA		
228	220	KF7NN	204	
K5RUS	K7BTW	N1SV	KO0Z	197
K7HSJ	N7XCZ	N2OA	LU2DX	K3EGE
KF2ZQ			WA3DRC	N4BAF
N8AIA	219	211		W3TW
W5HEZ	K1DT	K9FOH	203	W5CTV
	K2RKJ	NE8S	K0VSV	
227	KE5RV	VE3SMA	K5HYT	196
K3HPA	W6DPD	W2ZDP	K5LOW	K0AIZ
K8ZT	W7ZSL	W5HMK	N0HF	K0NR
K9TF	WB2WIH (FN20)	W6AER	N8SYF	KD3HN
KS9A		W6KAP	W1RM	N5DUW
W4KXY	218		W3SZ	W2AMR
XE1GLL	K1XH	210	W9GFB	XE2ED
	K4IJQ	K3MSB	W9VOB	XE2W
226	K5HPT	K9YC	WA1KPD	
AF5WN	KB8KVJ	KL7NO		195
GD0TEP	KC0VDY	N1TQ	202	AA4W
N7CNH	NA5C	N6UK	K1BZ	K2WJ
N8UR		WQ9T	K5GJR	K6VDP
NM5S	217	209	WC7X	KG6WIK
W0VX	ND4V	AA4IB	WF8Z	
W8RD	W4DEE	W5WGF	WQ5W	194
WQ6Q		WA4NFO		K2MRK
	216	XE2N	201	N3FA
225	K7RB		AA7WB	N9NFT
AC9O	N0IS	208	KC5FP	WF1H
KX9X (EN50)	N6PM	AI2N	KO9V	WK8A
N2WSY	NE1F	CO8DM	KR0I	
PV8AZ	W1AW	KD5HIO	NN0K	193
W8AKS	W5RWF	PV8ABC	NR2C	K9AB
WN6W			WA1MKE	KD2NF
	215	207	WA9ASZ	KF6XA
224	AL7OC	N1BCL	200	
JA8ISU	K2SX	N8NJA	4A2MAX	192
NJ8J	KI5FJ		K4YJ	N1LF
				N2NB

N3CAL	NA2R	W8LHP	172	166
N3NR	PY5CC	WA4QMQ	AB9KZ	JA1OVD
N4LXB	W3OU		I0WTD	KC2GHT
N4TV	W5BPT	178	K5ZED	N5VU
W6MTR	XE1R	KA2AYR	KI4PKW	NC4RY
W8FN		KB0EO	KJ6HI	VA3WEB
	184	KB1RZA	VE2PN	WB4KXS
191	AF5Q	KG5RJ	W4ABC	
K0ITC	K0DEW	N1ZUK		165
K9CS	KR4M	NQ2O	171	K4DXT
KK6OH	N1IBM	VE3NRT	AA4PB	KD5HPT
N9AMW	N4BG	W0ZY	HP2AT	N3FX
WA2BKN		W1MAD	KC5GSK	W0RIC
WA5CAM	183	WY7FD	KC5YCH	
WD4JHD	K5RQ		KI4TZ	164
	N0UBL	177	NS3L	K2SD
190	W2UDT	AG4ZE	W1PX	K5VWW
K5DB	WC4H	K2QQ	W6IA	KD0UHN
K5ER		KI4BWW	WA2KBZ	KF9US
KC2DLD	182	N2ZA		W4CSW
KN4PPD	AJ6T CM87	NY4I	170	WK7G
N9UA	FP/KV1J	SM7FJE	K9TVG	WQ7F
W1ATV	K5GMX	W5ZG	N4GBK	
W2OO	K8WK	WA8UEG	N8CN	163
W4GE	NZ1I		NA2U	K2JF
WB0DBS	W9JJ	176	W1MJC	K2YSY
	XE1CL	AD5ZA	W4IHI	N5XZ
189		EA5BY	W4JKC	
4O3A	181	K0DI	WK3V	162
K6US	AB9FN	KX9X		AF4GK
KC0MEA	K4CMS	N5QGH	169	K0QB
WA5VKS	K5HDE	N9ARX	K6XC	KA1R
	KB8YKR	NP4BM	KD5OMJ	KD4TDI
188	N3XJX	W5AFD	N2BEG	N5SIX
AD7KI	N4DTF	WA5IPS	N5XES	OE6IMD
KD4HLG	N9MSG	WW2R	VE3HHT	W9JJB
W4AZR	NY0A		W8KNO	W9VS
WA7VHF	W4RBO	175		WA1Z
WU9Q	W9BS	PV8BR	168	WB0WAO
WX9M	WJ1B		AE4M	
		174	KG5ZMQ	161
187	180	K3MD	KS9J	K0KVR
AA8R	K0OST	K6WRL	W2PD	K4EA
K0JDD	K4LYN	KC0IYT	W8WEJ	KB3CWQ
KQ0J	KC1MMC	KC6ZWT		KK9M
	N1RK	KG7P	167	N2YBB
186	N6PEQ	KU0A	K4MQG	V44KAI
K8PT	N6VH	N1MGO	KB1YNT	VE3LC
K9SG	W5HI	NA2NY (ex-NA1VT)	KB9REV	W4HOG
KN7K		NA6O	KE5EP	WA1LAD
N0XLR	179	W3SO	N0NHW	
N6ZE	K1EP	WA2PNI	N8XE	160
	KU4WD		NO0T	AB1QB
185	N0LIE	173	TG9ADQ	JA1AFR
AD6W	N0MMA	K2ZZ	W1BAT	K5IQ
KD5BQT	NH7RO	K5YPV		
KU4UC	VA3DPB	KE4SCY		

159 G0OIL K4MZ NS7B W1EME W4TTO WB8NUT	WB5ZAM	KC2TN KM5TY N4HID VA2RC VE1VOX	BA4SI CO2WF K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VA3FLF VE3KY W4GPM W4TUN W6DQ WA4KXY	K8ZIZ LY3W N4DB W6BXQ WB8BZK WW2DX XE1H
158 K8CR K10D N2CG	152 AA6I N0RC N1NUM NU1T UT7QF WO4G	145 KD7YZ V31MD VA3TTX WA4JA		134 AB1NS AB4GE AD4TT C6ABB GM4UYE KE5FXE KF6UFO N3AIU (DN70) N8GOU W4TKI WA3WZR
157 K4FX KB8GC KC2WUF WA7NB	151 W1ZT W2DXE	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI YV4NN	139 KC7JPC KM2O KU0G N7T NA2AA W4OV WB2JIL WY0V	
156 IZ8FFA K2KJ K9OHI N3RN N9KO VE7VDX	150 KW4BY N9LAH VE3OAT W7APM	143 K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H		133 KA5ETS KC1RET KE1VT KM8V W0RT WI5D WW7Q XE2O
155 CT1BWU K3TD K6XN N5RMS N7AU N9OBE TG9ANF VA3NQ WV8DX	149 AB6CF K4SAN KK9H W3UA WB4VHF	142 NA2X NC4VA W5SWV WA5TKU WS4V	138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	
154 AE4NT KB9VMW KW4OV NZ6N W3ZQN	148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N1TOR N5ZBI PV8AJ W6VNVQ (CM88) WB6RAB	141 JA6RJK K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WL7OU WR7AY	137 N1SZ N5JGK SM7AED	132 AB3CV IC8TEM K5VG KW4G N4PPH N7TP NE1I VE3TM WN6K
153 AA4NC AB4GG K7AD K7ZD N1OFZ N2ADV N2WM N6DHZ W3DQS W5FI W9ILY	147 AF6AV IZ1LBG K6PSP KC1BUF N8IK VE3CX W4YCC W5WOX WA0VPJ WA3YQG	140 AC5DK		131 JR1BAS K3NAT KG9R KT3X N2CJ TF3JB
	146 K2GW K8YTO KB0YH KB5ZEA		135 CU3EQ K4MWB	130 AB0X JA3LZS K0GUR K4JKB K8LG KC4NX

NG9R	K3PU	K0MFI	117	KM5OL
NO8D	KC5DRI	K4HBI	AB5J	N3JDQ
VE1DX	W2AJM	KB2WAL	K4WS	N4YCI
VE2TZT	W3UQH	KB5MH	N4USG	N5YK
W0PHX	W4DFU	KE4JFS	N5JEH*	W0BM
W2LES	WA6POZ	NE0P/9	N5LPT	W8MSP
W3FEY	WB4OMM	UR0MC	NA7L	W8VW
WA2SEI	WE1P	W8DN	NU6V	WD0ENC
WB4YDL		WB9TFH	W6WE	
WW5W	124		WA1TBV	112
	K0DLW	120	XE2PXN	EA4DEI
129	KB0HH (EM06)	EA1YO		K2MLS
8P6ET	KD5FTD	K2CYE	116	K3GD
JF4VZT	KM1C	K4AU	IK7EOT	K5WTA
K0KD	KT5MR	K4CGY	K4RGN	KA7T
K5QWO	N0SL	KD0R	KI6QDH	N5HMH
KC8KSK	N9AZZ	KD4MZM	KU5B	W1TR
KF4NEF	PV8AAS	KD5BRF	N0VR	W5DQ
KM5LY	W0PE	KE4SCY (FM06)	NO0B	W6OAT
KM5SC	W1TAM	N3YPJ	W0DHB	W7IV
N9WBR	W3KN	VE1JC		W9PN
	W6SCQ	VE3XK	115	WA8TWM
128	W7YM	WA6RAY	K9AAN	WG3K
JR2LJO	W9CDL	WD4OHD	K9MMS	WX3P
KC7QAG			KE6TVM	XE1GK
KJ6SDF	123	119	KF0QS	
KN4DMN	AC7AF	AE5AU	KF9AF	111
N1SFE	K9SM	K0AWU	KM5FA	N0SLT
W0WT	KB0GT	K1ZN	N7VGO	PC3T
W5ZO	KB0STN	K2SQS	UW5ZM	W8GBH
W8FR	KG6DHQ	K4MSG	VK9DX	WZ8P
WB2WEO	VE3TG	K7JIZ	WA3BZT	
	W1HS	KF7PCL	WC7V	110
127	W3DIY	KP3V		G4BWP
AA9RK	W3SE	KT0P	114	K5KR
K3GYK	W4PRZ	KW7N	AC8HU	K7LD
K7UV	W5EWF	N4UPX	K2RET	KD5J
K8AC	W7MHW	W0QC	K3RTU	KI0F
K8OS	W8BI	W4SW	KC4GCK	KP4JRS
KB3OZC	W8KHP	W7QQ	KG9Z	KQ4LA
KB9TLV	WA8WV	WI4T	NF8M	KX5U
KC0RQH	WB2RVX	WM9M	VE1WOW	N5TIF
N6UTC			VE3IRR	N5YM
VE2JWH	122	118	W2JLK	W7JET
W1FLD	K7AED	J68AS	W2ZQ	W7UP
WA6BIL	K7OGW	K4AZV	W4ALF	
	KA9JAC	KA4LBD	W4UFO	109
126	KB4UF	KF6MXK	WO2C	AK6ZZ
HB9EFK	KB5WFE	KI7BP	WX4US	IW1ARB
KJ7G	KC5UGX	KT8X		K2DSW
N0BDS	N5HYV	N1QDQ	113	K2JGL
N7DGI	VE6PY	N3JNX	AB4PM	K2OO
WB4HUC	VE7JAC	N5EIL	AD5MD	K5DNL
YL2AO	WD0GTY	W2AC / WB2ABK	HB9BZA	K9GY
		W2AC/WB2ABK	K3DQB	KE6GLA
125	121	WB2KSK	KD4BPZ	KJ6CA
AA7DK	AE1P		KD6VCD	KZ7N

N8TMW	N9XMU	103	K2NUD	WA5TLP
N9TTX	VA3OKG	AA5CK	K5DWI	WV9E
VE3AAQ	VE3AJY	AB0YM	K5HX	
W0YJT	WB6VYH	AB5SS	K7SYS	99
W1OP	WQ9F	K2OY	KB1JDX	AB0SD
W4ZRZ		K4MVL	KB4KBS	AB3TM
W5MPC/1	105	K8ZEE	KC6AWX	K0YO
W7RJR	AC4Q	KA1W	KC8CSD	K4KEW
WB6YIY	DS4EOI	KB0FHP	KG8WB	K4WQ
WB9W	K4SJA	KB2SGX	KG9IL	K4ZO
	K9MAL	KC9FFV	KL2R	K5VPQ
108	KB3JGS	KF0AIJ	KR4WM	K7DD
CF3VRQ	KC0JYT	KF4DVG	KR7LD	K7PAP
JA9IPF	KC4KK	KR4NO	N1IX	K9ZZE
JP7EIP	KF4DGS	N0YXE	N4AOE	KA0ZEE
K5OPB	KJ7TH	N1JIF	N8VEA	KC2IEB
K7MDL	N4NQY	NF6P	N9DVS	KC6X
N3MWQ	N5SAN	NN2D	ON9CMR/W0	KD4MWO
VE3SUB	N7YY	VE7DXG	VA2LGQ	KD6RUH
VE7IG	NE9O	W0TF	W4LLP	KG9AP
VY2RU	PU4JOE	W3LEO	W5KBD	KR4UA
W4AMP	VE3VRQ	W6IT	W7ISG	M5MYH
W4CRN	W8MIL	W6XU	WB8IMY	N4FV
W5AAJ	W9RVG	XE1RBV	WD5IYT	N7HRT
W8EH	WA4MYO			N7JPF
W9VNE				N7TE
	104	102	100	N8GHZ
107	AB9YC	AA9MY	AC0FT	N8YV
JA3EGE	AC5K	AB8JH	A12S	N9MKC
K5UIC	AC5RN	AD6KH	A19U	NB5R
KF7PG	AC9QR	K0HAQ	K2UA	NH6CJ
KI9A	IK4DRY	K3HW	K4UQC	NI5W
KK4LUM	K5PPP	K9AM	K5GM	NS2P
N3TTT	KB9RNO	KA3ZLS	K5KV	VE2HAY
N9OI	KC1LXO	KB8CR	K8IJ	W2HOG
NF0T	KC2TR	KC6WFS	K9CC	W2VU
US0KW	KD9GKL	KC8DMN	KB9ZLB	W5JLC
W2TTT	KJ7OG	KD8NYO	KC2HLI	W6TJU
WB4PPW	KJ4M	KE1AU	KC8CC	WA5TRX
	KM6WXB	KJ4M	KC9CMT	WB5NHX
	KO4LZ	KR5V	KD3SW	WB7VVD
106	N0STP	N1HOQ	KE5CVM	WK5X
K0MEI	N1LDY	VE7ZD	KF0Q	WW2R (EL09)
K5BJW	N2FBQ	W4RVZ	KG5X	
K7BWH	N3UPS	W5DPT	KJ5OA	98
K7JE	N7AGF	W5OV	N3TBB	AC2RL
KB0TIJ	NJ1H	W7UT	N4NIA	AD8Y
KC7ICM	VE2PIJ	W9NFL	N5RZK	K0KC
KE5JXC	W1TE	WA4IOB	N5XTR	K0UD
KJ6MBW	W1ZE	WA8EQP	N7EME	K3IXD
KK2DOG	W4KVS	WB5FDP	N8COP	K3QIA
N0RQ	W6ZQ		N8XS	K4OP
N1USB	W9EBK	101	VP2MRM	K5HOB
N2IPH	W9MDB	AE7V	W2CH	KA1EKR
N4CE	WB2VUO	A15WW	W4/KL7GLL	KE4LGL
N5FPW	WB8BZK/VE3	K0IN	W4OZK	KG4YOU
N5YHF		K0SBV	W8BZY	KG7E
N8HM		K0WJ	W9DQ	

KJ2G	W7DN	K8KFJ	KB7AK	KC9UL
KK0CQ	WA6OSX	K8ME	KC0AUY	KD0QG
KY0Q	WA9LEY	K8VD	KC3AK	KE6AZX
N0JJQ	WB8RVK	KC5N	KD4VRZ	KE6UMW
N1JHJ	WB8ZTV	KD7WH	KE3WM	KE8RPJ
N3LRP	WE8L	KD8DR	KF0LA	KE9V
N5TEY		KD9ZR	KG4NLZ	KI0J
N8AID	96	KI0SK	KU4JZ	KK7MNC
NO5X	AD5OW	KW9U	KV3W	N2BX
NO8R	AE4TQ	N1XK	N0LNE	N2YTF
VA3VF	AK4F	N2SLO	N0LP	N3AO
VE4XTZ	K2CK	N2WLS	N2SU	N3ZBK
W2KRP	K2UF	N3WAV	N3JBH	N4GOA
W6TE	K2UNK	N4ET	N3XBG	N4YHC
WA2FGK	K4EQH	N5BLY	N3YUG	N7EGY
WA3TLT	K5CRJ	N5ENU	N5ZMP	N7JI
WB1GQR	K8EMR	N5KI	N6HY	N7KSI
WB2YDS	K9OT	N9IV	N6MXU	NA9D
WD0E	KA2NDX	N9LJX	N7NH	VA3JFF
WH6LR	KA3HED	OE9KFV	N7UN	VA7QI
WT5H	KB5GI	PY2KP	N8WWM	VE3WMD
WV5Y	KB8PNS	VA3KS	N9DD	VK5PJ
	KC0HBP	VA3PZ	N9UNX	W0MHK
97	KD6PY	VE3KZ	VA3MA	W2VTV
AB8M	KI5TE	VE3SPW	VE3RX	W3ZGD
AJ9C	KM5NU	W4YZJ	VE5MX	W4VG
K0HB	KR4EE	W5ADA	VE7AB	W5DMT
K0JQZ	KS4V	W5CBF	W2GR	W5DWA
K0QEI	KT5RR	W5RCQ	W3IPA	W7EIR
K0SH	N0WVU	W7JWC	W3TA	W7TRX
K0YQ	N2LID	W9SX	W4LNG	W9IFW
K3HZO (FN20)	N2VHZ	WA2ONK	W5ODD	W9NED
K4GTR	N2XK	WA3I	W5PUF	W9WI
K4JQU	N8PAQ	WA4WR	W7NX	WA5ICA
K8XF	N8YBY	WB2SIH	WA7LHZ	WB5CON
KA2BSK	NT2A	WD8DOT	WA9BXB	
KA7EII	NW5Q	WS4S	WT9U	92
KC0YBM	NY2Z	XE2AT	WV7S	K1EY
KD5CKP	VE2DCP			K5GDX
KF4KSN	W1HMM	94	93	K5TDA
KM4NYI	W3VHF	AA4RP	AG2A	K7FU
KT5WB	W4KK	AB4VT	AG6CV	K7HKR
N1VMJ	W4TMR	AD1DX	AI8F	K7UWR
N3UMA	W7JHS	AK8CW	K0IW	KB0PQP
N4BH	WA3EEC	HK4SAN	K1PTF	KC4JNW
N6MA	WB0M	K0ARM	K1ZK	KD4QMY
N9APK	WB5KJE	K3BEE	K2AK	KE4WBO
N9IO	WP4LNY	K3TUF	K2MTS	KG4URP
N9KY		K4JRK	K4DAM	KR7X
NK7C	95	K4LDC	K5TRI	N2SG
NU0Y	AB9AI	K4NNX	K6RM	N3GH
NV3K	AE0G	K8GT	K7IP	N4VN
VA3FIN	AE5EO	K9DOG	K7TRK	N5QO
W3QT	IK8YTA	K9SUL	KB0USF	N6FD
W4CWA	K1PNQ	KA2F	KC5TGT	N6RPM
W4DAS	K4ED	KA9UVY	KC5TT	N7DED
W4ID	K8BB	KB4YKC	KC9TTR	NS6E

UT5JAJ	AB4WL	VE3VCF	XE1SOV	NJ1Q
W1PV	AB9DU	W0HRO		VE3GFN
W2ACY	AF5BG	W1HY	87	VE7DAY
W2CVW	DL1SMA	W2JEK	AC0A	W1WV
W3ACO	JH4JNG	W2OK	AG4I	W3STU
W3GP	K1HC	W4ZMM	K4JC	W4IT
W3HZU	K1KA	W6VWQ	K5UZ	W4RA
W4BP	K3CWF	W9HT	K5WO	W6ST
W4LIA	K3UAL	WA7SDI	KB1VUN	W7SIR
W6NS	K4AAP	WB3IAL	KC8NAH	W8DQ
W8JV	K4FTP	WM6Y	KE6WOX	W9QY
W9HBH	K4XZ	WQ5C	KI6RRD	WA4WKL
WA3JKB	K6UIP	WR5AY	N0ELA	WD4LSS
WA4EEZ	K8EAB	XE2NL	N2CJN	WF4R
WM3O	KA5TJI	XE3DX	NA5DX	
	KB5FHK		NE5S	84
91	KB7BSA	88	NI5F	CT3FT
AA0CW	KK4DZP	AA4QE	NN7RM	K4EZY
AD3Y	KW3DX	AE0DX	W8GOC	KE6NDG
CO2WZ	N2ULL	AE4OF	WB3IGR	N1KI
K1UR	N4BRF	AF4MI	WB8JAY	N2NWS
K4SPA	N5BA	K1RS	WF4W	VE2WBK
K6YK	N9JJ	K3TN		W8PU
K7HPN	VA3XOV	K4XD	86	W8SGR
K8OI	W9CPV	K7CTV	AG1T	ZS6NK
KB2YWU	W9CSY	K7WV	K7FB	
KB3IAI	WA2BEV	K7ZYV	KA9OKH	83
KB3NDS	WA8OJR	K9JF	KB7JJG	AA6E
KB7AZ	WD9HCF	KB2KIR	KI6HQT	DL5XJ
KC5POV	WE7H	KC1GWX	KN4MMH	K1LH
KC8LGL	WEST SEATTLE AND	KC3EUL	KP4TB	K4SQC
KE1IU	WH6LE	KE8UM	KT1R	K6JJ
KE7RTB	WM7C	KI2D	N2NF	K8SIA
KG4QWC	WT4C	KI4RFM	N3MVF	KB3HHA
KI3O	XE3/K5ENS	KJ4KW	N8TFD	KB9LIE
KI5BLU		KU4S	NZ3O	KK7BV
KM7N	89	N0OK	SV1RK	KU4WW
KM9I	AB1TZ	N1CEO	VA3MDB	N5PD
KQ6K	AG2AA	N2MKT	VA7LM	N6KTH
N3PPH	AG7NR	N2ZN	VE7IRU	SV2AEL
N3WCM	G4NBS	N4CAG	W8IW	TG9AKH
N6DW	JQ1TIV	N4GN	WA1PMA	W7USB
N7CZ	K4BMM	N4KIN	WB4GCS	WD6T
N8DEZ	K5CX	N4UC	XE2AU	WD9IOK
NR4J	K5JAZ	N5VBK		WI6Z
NU4N	KA0MWA	NS3X	85	XE1MM
VA2BBW	KF4TVL	NT4TN	AC9GK	
W2SUB	KI0G	VE2VLJ	EI3IO	82
W4MLN	KI4FW	W2BZR	K1UU	AD4IE
W5KDA	KI4US	W3YX	K4LRP	CB0ZA
WB0NRV	KR4U	W4DL	K5MJP	K3RJK
WB7X	N2GZ	W4RXX	KB3MXK	K4JMX
WC4V	N5KAE	W7HDD	KC0V	KA5WSS
XE1GZU	N8YSZ	WA2BTR	KE4DRF	KC5YKX
	N9RG	WA5MD	KK4AND	KG4KVZ
90	N9UDX	WK3N	N2RJ	N1SF
AA0LM	NE2U	WV8O	N4LS	PU8TEP

W5DAS	K6MAA	WD4LBR	57	43
W5DM	KI4CYB	YL2JZ	IK1ZOF	8P6SH
W7YOZ	KI7WXP		JL1UXH	CT1EEN
W8GG	N1GNB	68	JL3MCM	K4ZIN
WA2ONG	N2MH/4	AA4S	N5LJL	
		EH7CD	WD5GRW	42
81	75	K6CF		W0PR
AB4I	G4RGK	KJ7TEA	56	
DF3CB	K3PP		KI5WA	41
KE4DZU	K6VHF/HR9	67	LU8ADX	E75AA
N6MM	K8QM	JG2TSL	NI6T	LA6OP
N7NEV	N5GH	KF4JHG		N6PAZ
NI4Y	NP3YL	W7YED	55	
W3MC	W4LVH		LA3MHA	40
WA4ZXV	W5UC	66	WA2EMF	HA5PT
WA8ZNC	WP4NEG	K6KLY		JF1LMB
XE1EE	ZL3AAU	KK4YEL	54	JR0QFA
		UX1UA	AG4KI	WB8TGY
			SP5APW	
80	74	65	53	39
AC6BW	AK8B	JA1XEC	K0BBC	AA5PK
G4FKA	CX4AAJ	K4IM	PP1CZ	
K7FR	HB9ALO	K5EJ		38
KE4PT	KF2TI	N7UJJ	51	DD3KF
KR4Q	LU4FPZ	OK1MP	CT1ETE	DG7RO
KW1DX	VE6SO	W4CCS	N8OFS	DU1EV
N2NS	VK4CZ		OH4UI	K8YSE
VY2HF	WC6DX	64	VE9FCP	
W2DEN		K3BQ		37
W5TTY	73	WD5GRW (EM13QC)	50	BA7NQ
W7AM	JF1IRW		N8MR	HL4CJG
	VP2MJD	63		JA9APS
	W4WT	EA1DR	48	JH9DRL
79		HL2EIZ	G8BQX	
K4RW	72	KB0RFY	HL2IFR	36
K5JBT	N4II		JA9KRO	JA1WSK
KB4DSL	PV8ADI	62	K0BBC/R	
KP4N		K4DXA	KI5KC	35
N2COP	71	N6ZDH	N6DBF	GI4OWA
N5YJZ	K0GW		NP3IR	LU9DO
N9RC	K4GK	61	YL3HA	UR5WA
VE3CFK	K5WPN	CU3AN		
W2GW	NP4TT	K4MLB	47	34
W2SKI	W2YR	N0GVK	HB9RYZ	G4SEU
WN0L	W3FGP	US5WE	JE1VTZ	JL3LSF
	WC5M			LA2QM
78	70	60	45	33
IZ8EDJ	GI4SJQ	HB9BIN	JA6WJL	W8GC
K2QPN	K4BNC	IZ4DPV	K4TXJ	WB4SON
SP5QWB	KC0ZRX	KP4JFR		WB8TGY (EN72)
TG9AWS	N6GEO	S55DX	44	
W4NE	W2QO	UR9QQ	HB9RUZ	
	W4GP		WO3T	32
77	69	58	XE2YWH/1	DM2RM
K1IFJ	K3WGR	KC6NBI		N3LRH
MI0AYR	W1YM	SV8CS		SM6WET
		WA2MUA		ZL3TE
76				
K0WYN				

31 K7TM	N1WC PY5EW W8LR	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX	EA4D G3LHJ HA9PP HL2ZN IK0WRB IK8EPC JI1CHH JM1GHT JN1BPM JR6IQI KC0Y PY5IP SA7CJO SV1VN US0YA W1CBY WD9EWK (DM43) YB1TJ YL2CA YL2MU
30 E72X JO7WXN WA6DNR	19 DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ PY2DV PY2GM	6 CT2FEY DL1TRK DU0A EI2JC JA7NGE JG1JPE PY2VA	
29 HL2WA OE4VIE			5 DL5LH EA1AAA EA7ZY IK8GYS JI5USJ JJ1IDW KB8VAO M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ	
28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V HL4GAV KJ4EU W0HBH	10 DL4CF HB9BOS JH8RZJ JI2UDK PA5KT SV2DCD TF3Y UR7DWW		2 5B4ALJ 6K5XZE 9A2GA 9K2NO BV6CC CO6CBF DF3VG DF8FT DK1CO EH4BPJ ES8JX F5TMJ G0THY G4DDL G8GNI GI4ONL IK1IYU IK2GOQ IZ8XQC JA6AVT JA6SZV JA9FAI JH3MHI JP1HDK K4KZM K7LY KEN IN NEBRASKA LA2CQ OH3KAV SV1XV SV3FUO YB2DX YL2KF
27 E70A KC9ELU WP4NIX	17 G3LZQ PY2XAT SP5XMU SV8CKM W0JM			
26 DS4AOW WB7QXU				
25 EA4/K1WE	16 N6VHF TI2CDA			
24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO	15 9K2BM EI2GLB HB9FMN HB9HIT JE2UFF LU5FF PY2RN UT3UA WC2C	9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS GM4KHE IV3GOW JH7IMX JH7IPR JK6DXD UT5EL VK4ZP XE1SAX	
23 GM4ILS K4SLC KP4EIT W8MK	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	8 DK2LO G1VDP JA1CPU JE3PCP JJ2NWI N8RO OH8LXT		
22 9H1SP IZ3ENH OE3SGU				
21 EA1YN	13 K4AKX K4WY PY2MC W4PWF	7 DH0GSU G8APB	3 DF1ZN DJ5AV DL2KQ EA1AR	
20 CX1FK I1FQH JM1KVV				

1

3A2MW
9A2EY
AJ6T (EM66)
BD4UJ
CT1AHU
DH8BQA
DJ3ZF
DL2DCX
DL4ZAB
DS5DNO
DS5TOS
EA3WD
EA4GQS
F1VEV
G4CFS
G4VSS
G6MXL
G7SQS
G8TTI
IK5BSC
IW0AFS
IZ0BTV
IZ2CSX
IZ3DBA
IZ5FSA
JA1GZK
JA7DPC
JA7VXB
JH8XVT
JI1HNC
JJ1PFC
JL2ULM
JN3ONX
KC3KJQ
KG4JSZ
KH6WI
KP4DER
MM0INH
OK1UU
ON6NA
OZ1IKY
PU5SVE
SM3GBA
SM6LPG
SP7EXY
SQ5NRY
UN8G
UR5EDX
VR2VGM
WB7VUF
YO8WW