

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 (29 Sep 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	N5OMG	486	479	470	460
AA0MZ	N6JV	KY7M	N7ZO	K4SO	K5OMC
AA5AM	N7NW	N0KE	W5WVO	K5RT	K8ZM
AA5C	N9LB	N7KA	W9RN	WO7R	KF0M
AA7A	N9UM	W5ZN	WB9CIF		
AI5I	ND0B	WD5COV		469	458
K0GU	W0FY		478	AJ4F	K9MK
K0SIX	W0JW	485	AD1C	K4MY	K9NW
K0TPP	W0LGQ	AD6D	AE5B	K7PI	KG5THG
K1TO	W3CP	K1USA	K6ZH		N9BCA
K1TOL	W4UDH	K9MU		467	NE1B
K4PI	W5ADD	N0POH	477	K3SX	
K4XO	W5AFY	N5WS	N5KO	KB9DAK	457
K5ND	W5AJ	W5VY	NC6K	NY0V	K4HB
K5RK	W5EME		W6XK	W5THT	W9WO
K5UR	W5FF	484			
K5WE	W5KI	AF5CC	476	466	456
K7BG	W5OZI	AI1K	K5XI	KA0JGH	AJ4A
K7CW	W5TRL	WQ0P	N4SIX	KB6NAN	
K7ULS	W7GJ			N4QS	455
K8SIX	W7JW	483	475	NA6MG	KF8MY
K9CT	W7KNT	AC0RA	ND4X	WX7M	WA9DU
KA9CFD	W7MEM	W0VTT			XE2X
KA9FOX	W9FF	WA7HQD	474	465	
KD5M	W9JN	WB0ULX	K7KQA	N4JQQ	454
KG5CCI	W9RM			XE2K	WB7CJO
KM0A	W9XX	482	473		
KM0T	WD5K	K0BJ	NQ7R	464	453
KO9A	WQ5S	N4WW	VE3EK	KB9OWD	K4YMQ
KR7O	WS9V	W9VHF	WB0O		K6EID
KV5W				463	N9FN
KX4R	487	481	472	KB8VAO	
N0LL	K7MAC	KC7QY	KB7ME	NI0G	452
N0LWF	K9YY		N7BAV	W5XC	KK4MA
N0PB	N0AKC	480	WD8JJA		N5BO
N0TB	N7CW	K5GZR	WE9R	462	N8YO
N1AV	N7IR	KC7V		N6ORB	N9BX
N3SL	N9ISN	N4TB	471		
N3XX	NA6L	N5EKO	N9PGG	461	451
N5DG	W3IP	XE2OR	W0RH	NA9RB	K1HTV
N5NA	XE2CQ			W3UR	K5WBM

KD3CQ WA1EAZ	439 K8ROX N4QWZ N5TJ NM5U	424 K6JJ N4UFP N9AKR W3EP W5PR	412 KT8O VE2XK 6M FN07PJ	402 K3FM	391 W4AVY W6TMD
450 NE9U W0MU			411 N1EVK N9EAT WR7X	401 K4CKS KM3V	390 WF7T
449 KF6HI N8OC W8TN	436 NZ3M W3TC WB8ART	423 W4DR		400 W0JRP W3UUM W7FI	389 W5MO
448 K4XP KP4AJ KV7N W3LPL WB8ZBT	435 KF6A	422 VE6WQ WB5JID	410 K3UA KB0V KE7SW KI8G	399 N3PS NN4R	388 K0IP W4WRL
	434 AA1ON K1SIX VE3LYC	421 NP4EI/W7	409 K5PI N5SYV N9JR VE3DS	398 N8IEZ W1NG	387 KV4T N0FJP N4CH
447 AH0U KS7S N2NL N4SC	433 AB9BH KE8KMX WW1L	419 K7NN W0GN W5AL	408 K7SMA KZ2I NY1V W7BA WA1NLG	397 AB4EJ KE4TH KI0E W8LMG	386 JA7QVI N7IJ W5TFW W7AH WE4S
445 KG7CW KU7Z N4LR	432 K3FRK K6GXO N6KK	418 N4UFO		396 AB4SF AG4W KB8U N3OC	385 K0JDD NK1K VE6MB W4WTA
444 K4SSO W3LL	431 K0TLM	417 AA5JF N4HN	407 W4AS W5CIA W7Yaq		
443 AB4IQ N4MM	430 K0DD K1TEO	416 AC9DX K4RWP K7ND KO4MA NI0P	406 AK3E K6FG K8EB	395 AA5XE K0AZ K5XM KF7CQ WB4EVH	384 K8ROK N2WK W8OP
442 AG9S K4ZOT N2QT N4TL NJ6D	429 K5TA K8ZR WA5JCI	415 K7AWB K8JH W0GJ	405 AA4SC K1GG K5CKS	394 K6RO	382 N8LRG VE3YXO
441 K8TB K9KLD	428 K9APW WB8BPU	414 K0DEQ K2TER KM8V N0GZ W4TV	404 KF9UG N2ZX NH6T/W4 VE4EAR W5SUM	393 K7XB K7XC KD5XB	381 NK0S W3VZ
440 AE5FM W2IRT	426 N5OK NE6I W5JAY		403 K6VHF	392 AF4HX K5HPT W6OMF	380 K7MCX WA5LFD
	425 K6ML	413 WA9LFO			379 N8WNA

378 KR4BD	K6EME WA7PDC	353 AF2K K0CS	NX7U WA7YAZ	WB5TOI	NG7M W0PR W3HDH W7JLC
377 AB1OC NT9E	364 AB5EB K0RAR K5KEW N6QQ	352 K7LOL VE3XN W0KKK XE2ML	340 N0AN WA9M	333 AA4LR K0TC KM4HI N0IGZ W3GQ XE1YY	325 KF2T WA2AEY WX0Z
376 K8GI K8VFX	363 VE7BV W1JR W4NH	351 W7IMC	339 KE4BKL N2ZZ VA7FC W5VAS WB0OQV	332 AA7UN N4JDB N7KDT VA3IKE W9GM	324 HC2FG K9SH KU4A N2BJ VE3TMG
375 K6QG WB4OQX	362 KB1EFS WA5OLT	350 N6VI WB4KTF	338 AI9L NA5Z VE3SXE W4MAY W9XA WA5KBH	331 K0SRL K8WDA KC0UDO N4MW W3TI	323 N8II W8KEN WO2T
374 K0TT KV7K N6GP N7DB	361 K8BL K9NR N1KDO N8KOL NG4C W4ER	349 K1GJQ KA0BAD	337 K8ZES W9EWZ WA5RT WW0E	330 KB8MBC KG6AY W8PI	322 JG1TSG N3ALN VA6SZ
371 AA4ZZ WA6BYA	360 K6UM (CN85) W0NOZ	348 N1JFU NJ7G	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S	329 AA1QD N2JJ W2OR W8WG W9DCT WX4G	321 N0LD N7RO NC7B NS4C W9VA
370 K5TN KG8P KN4SM KS4YT N3MK NN9X NT0V W4FC	359 AA4FF K0CAO	347 W2HRO	335 AK0MR K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA	328 K6ME N5PT W2CNS WB3LHD	320 KG5EIU N4DW
369 K0VG KF8UN N2DPF	358 K5RLA	346 N9XG	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC W3ATV	327 KJ5RC N0YO W2JU W7YA	319 N7US
368 N4JP W5RCI W6GMT	357 K4LVV WA9PWP	345 AA8SW W3XY XE2YWH			318 W4HY
367 KC4HW	356 K7PT	344 K6FW KB0PE W1OW			317 KA8SYV W1SKU
366 KI7JA	355 AA4FL N3AIU (DM45) W1DYJ	343 K1ST K5EK KK0DX N3RC N3YT N6KZ N8HRZ			316 DK8NE K3FN KA0ABA W4UCK
365 K4JJW	354 KE8Y NP4EI NU6S	341 KD7DCR N9LF		326 K2ZD K6LMN K6TDI	

W9BWR	WV9L	297 N8YQX	287 K8DP KC7MRQ N8CGY W7CT WA4NVM	W0VHF (EL87) W8GJ XE1FAS YV1DIG	N2LIV NI3K W4QK W5DNT W7JY WZ9B
315 K0PG K5VH KM3T NY2NY WA8ZID XE1AO	305 K3VAT K6UM (CM88) KT1J N4SV	296 K4XR K6YUI KC7RW XE1EE	286 CT1IUA	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N	269 K2IE K3ZO KD5R KF6XA N5EPA N5WD VA2CY
314 KU4XO	304 K6IPF NS4T WA0GUD WA8MCD	295 KE4P N6AR N7NT	285 AB0S K5CZD K9UO NS7K	277 AC7JM PV8DX	268 K6OJ KI0HA N9ZTS W0KAN WB9PNU
313 JE1BMJ N6NR N7UVH NF4A W4GLV W5RKN	303 EA8DBM K8TGC K8TL N7LAN	294 K6JSV	284 AB0RX AD4ES K0KP K4DET KL0S NJ2F (EL96)	276 HC1BI K2CS K5TWJ K7TAB KD8JSP W9OO	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB
312 AF6O K4NNX KA2GOJ N3KN	302 K2UU KB2TGU	293 K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	283 N5OHL NA5DX WA0FQK WB0CQO	275 K1MAA K2NJ N4GG W0FK	266 K1OA K1WVX K3HPA TG9AJR VE3MSC WB8EJN
311 AC9S KS4XQ W2BZY W5DB	301 N0HJZ W3SW W7IB W9OBG WB0TVY	292 KJ6P N4ST W1SSN	282 AA0ZP K1DT N8JCM W4WM	274 K8YC KB1DMX	265 N5KS
310 N1NK W9KVR WO4DX	300 AA4V CT1EEB K0PHP KB6VFC N1RR WA2BAH WX2S	291 W1WHL W2CCC WI7P	281 AA8MA JR1LZK K4OY NL7CO W2YE	273 KM4H KV1J VE6SH	264 AC8L K4JAF N0TK N5AO NF1O
309 AA9RR	299 KX7L VE6WK W1LE W8UV WB5GVY	290 AF2F VE6TA (DO33) WA8EFK	280 N0KV NM5Z W1FKF	272 KF8QL KO4PRE	263 AK4PR
308 WA4HFN	298 K0MLD KD4WSC KK8MM N4IQ W0JM	289 K2BLA K4MM K9FA N5BCA NQ7G W4LTJ	279 N3JPU N6PM W0PPA	271 K7NII KB7FUV W3HHN	
307 AG1A KE5K KS4S W9RPM		288 K1NU W1DU W4HLR		270 K4SPD KC9FQD	
306 K4QE KL7HBK					

K0NO K7MDL K9AAA WB7QBS	256 JM1IGJ KL7NW KN4PPD N8ZJN	N5SMQ	WA2VJL	W9XT	223 K7UA N2ZA NJ7A
262 K3CWH K5VR N5PA ND4DX WA0KBZ	255 K8MVZ KG4JPL W4HFZ WA8KNE	248 K1ZZ W6VFA	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD	230 K1ZE KO4MM VA3XJ WB0WAO/8	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT
261 K3TWK KB8UUZ N3EW W6TCP W9TA	254 KG9Z N4GBK N5SIX N7QOZ NR0Q VE3OTL W8FIB WD5ITW	247 JA1UAV N5DD W3TEF	238 AA3GM JP1LRT W1MJC	229 GD0TEP K6RG KB9RUG KC0VDY KD5IKG KE4UW N4NX NN5DX W5LUA	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW
260 JM1SZY K6JAD K9MQ N6HC NT7C W3DF XE1YD	253 F4BKV KG4ERR N2XQM	246 K0DAS KK8X N5TIT W4FRA	237 K3KO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 K7BTW N7XCZ
259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA	252 AB5A K1ACL K3NK N9ATF NN4RR VE6NTT	245 AE4M N1IA N3XF VA3CW	236 K0SU K4NK N3FTI N9ATD W5AJX	227 K8ZT K9TF KS9A W4KXY XE1GLL	219 K2RKJ K6ZZ (EM78) KE5RV W6DPD W7ZSL WB2WIH (FN20)
258 AB5GU K1NJ K2HAT NA2NY NA5C WB7ECS	251 AD5JK AE4WG K9QJ KG7NV NN4SS W2LV	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	235 ND0C VO1GO WB6RJH WT2P WZ9W	226 AF5WN N7CNH N8UR NM5S W0VX W8RD WQ6Q	218 K1XH K4IJQ KB8KVJ
257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/0	250 AA9LC KS9J NW6R	243 JA1QJI JA8ISU K3TC W4EJ	234 JR2HCB KE6FCT	225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	217 ND4V W4DEE
	249 JR3REX K8AO KQ5U N1GC	242 IT9IPQ K3WW KA3TCC VE3SMA	233 K1AFC K3EA N9NJS VE7VZ W8PAT W9TD XE1L	224 K2RET NJ8J	216 K7RB N0IS NE1F W1AW W5RWF
		241 N6NU W5LO	232 K5FO N9NJY		215 AL7OC K2SX
		240 KK4ZUU KO6LU VA3HP W1VT	231 K4MIJ K6HEW KF6GYM		

K9OHI	207	KC5FP	194	WX9M	KB8YKR
KI5FJ	K6US	KO9V	K2MRK		N3XJX
N2YU	N1BCL	KR0I	N3FA	187	N9MSG
N6KW	N8NJA	NN0K	N9NFT	AA8R	NY0A
		NR2C	WF1H	KQ0J	W4RBO
214	206	WA1MKE	WK8A	N2WM	W9BS
JA7MSQ	AB0CT	WA9ASZ			WJ1B
KB9PJJ	AK4Y		193	186	
KC7OD	CT3MD	200	K9AB	K8PT	180
VE3SYK	DJ5FI	4A2MAX	KC5N	K9SG	K0OST
WA7AJ	K4GHS	K4YJ	KD2NF	KN7K	K4LYN
	K9YC (EN61)	K5DB		N0XLR	KC1MMC
213	KB0LYL	K6ZZ	192	N6ZE	N1RK
K3DFL	NA5Q	LU4FW	AA6AA		N6PEQ
KI6X	W0BNE	N7PHY	N1LF	185	N6VH
W0NBC	W4EJG	N9AG	N2NB	AD6W	W5HI
	XE1J	VA3VU	N3CAL	KD5BQT	
212	205	WB2AA	N3NR	KU4UC	179
AB5C	AF4OD		N4LXB	N8XE	K1EP
JF8QNF	K3LL	199	N4TV	NA2R	KU4WD
KF7NN	K8SD	N3KFV	W6MTR	PY5CC	N0LIE
N1SV	KE4HOA	W4OEP	W8FN	W3OU	N0MMA
N2OA	N5ITO	WB0YEA		W5BPT	NH7RO
	W8QID		191	XE1R	VA3DPB
211		198	K0ITC		W8LHP
K9FOH	204	4O3A	K9CS	184	WA4QMQ
KD3HN	KO0Z	AC8TO	KK6OH	AF5Q	
NE8S	LU2DX	N0UK	N9AMW	K0DEW	178
PV8BR	WA3DRC	N7EPD	WA2BKN	KR4M	HB9EFK
W2ZDP		W8DM	WA5CAM	N1IBM	KA2AYR
W5HNK	203	WA7KYM	WD4JHD	N3FX	KB0EO
W6AER	K0VSV			N4BG	KB1RZA
W6KAP	K5HYT	197	190	N4DTF	KG5RJ
	K5LOW	I0WTD	K5ER		N1ZUK
210	N0HF	K3EGE	KC2DLD	183	NQ2O
K3MSB	N8SYF	N4BAF	N9UA	K5RQ	VE3NRT
K9YC	NX0I	W3TW	W1ATV	N0UBL	W0ZY
KL7NO	W1RM	W5CTV	W2OO	W2UDT	W1MAD
N1TQ	W3SZ		W4GE	WC4H	WY7FD
N6UK	W9GFB	196	W8SP		
WQ9T	W9VOB	K0AIZ	WB0DBS	182	177
	WA1KPD	K0NR		AJ6T CM87	AG4ZE
209		N5DUW	189	FP/KV1J	K2QQ
AA4IB	202	W2AMR	AC0W	K5GMX	KI4BWW
W5WGF	K1BZ	XE2ED	KC0MEA	K8WK	NY4I
WA4NFO	K5GJR	XE2W	WA5VKS	NZ1I	SM7FJE
XE2N	WC7X			W9JJ	W5ZG
	WF8Z	195	188	XE1CL	WA8UEG
208	WQ5W	AA4W	AD7KI		
AI2N		K2WJ	KD4HLG	181	176
CO8DM	201	K6VDP	W4AZR	AB9FN	AD5ZA
KD5HIO	AA7WB	KG6WIK	WA7VHF	K4CMS	EA5BY
PV8ABC			WU9Q	K5HDE	JA1OVD

K0DI	170	WK7G	KC2WUF	150	145
KX9X	K9TVG	WQ7F	WA7NB	KW4BY	KD7YZ
N5QGH	N8CN			N9LAH	V31MD
N8URE (FM19)	NA2U	163	156	VE3OAT	VA3TTX
N9ARX	W0PE	K2JF	K2KJ	W7APM	WA4JA
NP4BM	W4IHI	K2YSY	N3RN		
W5AFD	W4JKC	N5XZ	N9KO	149	144
WA5IPS	WK3V	OE6IMD	VE7VDX	AB6CF	K0TLG
WW2R				IK7EOT	K5TDW
	169	162	155	K4SAN	K6JRA
175	K6XC	AF4GK	CT1BWU	KK9H	K8MN
IZ8FFA	KD5OMJ	K0QB	K3TD	W3UA	K8WU
K3MD	N2BEG	KA1R	K6XN	WB4VHF	N9DI
NE5TX	N5XES	KD4TDI	N5RMS		W5MPC
	VE3HHT	UW5ZM	N7AU	148	WO7GI
174	W8KNO	W9JJB	N9OBE	AC0DQ	YV4NN
K6WRL		W9VS	TG9ANF	AG0A	
KC0IYT	168	WA1Z	VA3NQ	K0RU	143
KC6ZWT	KG5ZMQ	WB0WAO	WV8DX	K7IU	K6JBH
KG7P	W2PD			KB2YSI	K9QFR
KU0A	W8WEJ	161	154	N0TM	KB8RJS
N1MGO	W9HT	K0KVR	AE4NT	N1TOR	W0HNM
NA2NY (ex-NA1VT)		K4EA	KB9VMW	N5ZBI	W0UHL
NA6O	167	KB3CWQ	KW4OV	PV8AJ	WB0MMC
W3SO	K4MQG	KK9M	NZ6N	W5DM	WM5H
WA2PNI	KB1YNT	N2YBB	W3ZQN	W6VNQ (CM88)	
	KB9REV	V44KAI	W4DWS	WB6RAB	142
173	KE5EP	VE3LC			NA2X
IC8TEM	N0NHW	W4HOG	153	147	NC4VA
K2ZZ	NO0T	WA1LAD	AA4NC	AF6AV	W5SWV
K5YPV	TG9ADQ		AB4GG	IZ1LBG	WA5TKU
KE4SCY	W1BAT	160	K7AD	JR1BAS	WS4V
		AB1QB	K7ZD	K6PSP	
172	166	JA1AFR	N1OFZ	KC1BUF	141
AB9KZ	JA3LZS	K5IQ	N2ADV	N8IK	K4AR
K5ZED	KC2GHT	WL7OU	N6DHZ	VE3CX	K9ATX
KI4PKW	N5VU		W3DQS	W4YCC	KT8TD
KJ6HI	NA1VT	159	W5FI	W5WOX	N9FIV
VE2PN	NC4RY	G0OIL	W9DHI	WA0VPJ	NV4B
W4ABC	VA3WEB	K4MZ	W9ILY	WA3YGQ	W4FS
	WB4KXS	NS7B	WB5ZAM		W4POT
171		W1EME		146	W6ZI
AA4PB	165	W4TTO	152	K2GW	WB9WHQ
HP2AT	K4DXT	WB8NUT	AA6I	K8YTO	WR7AY
JA6RJK	KD5HPT		N0RC	KB0YH	
KC5GSK	W0RIC	158	N1NUM	KB5ZEA	140
KC5YCH		K8CR	NU1T	KC2TN	AC5DK
KI4TZ	164	KI0D	UT7QF	KM5TY	BA4SI
NS3L	K2SD	N2CG	WO4G	N4HID	CO2WF
W1PX	K5VWW			VA2RC	K7SAM
W6IA	KD0UHN	157	151	VE1VOX	KC0MEZ
WA2KBZ	KF9US	K4FX	W1ZT		KC8TMU
	W4CSW	KB8GC	W2DXE		KJ4KVC

N1EN	LY3W	NO8D	125	VE6PY	KF6MXK
N3VOP	N4DB	VE1DX	AA7DK	VE7JAC	KI7BP
NJ0U	W6BXQ	VE2TZT	K3PU	WD0GTY	KT8X
VA3FLF	WB8BZK	W0PHX	KC5DRI		N1QDQ
VE3KY	WW2DX	W2LES	W2AJM	121	N3JNX
W4GPM	XE1H	W3FEY	W3UQH	AE1P	N5EIL
W4TUN		WA2SEI	W4DFU	K0MFI	W2AC / WB2ABK
W6DQ	134	WB4YDL	WA6POZ	K4HBI	W2AC/WB2ABK
WA4KXY	AB1NS	WW5W	WB4OMM	KB2WAL	WB2KSK
	AB4GE		WE1P	KB5MH	
139	C6ABB	129		KE4JFS	117
KC7JPC	GM4UYE	8P6ET	124	NE0P/9	AB5J
KM2O	HK3W	JF4VZT	K0DLW	UR0MC	K4WS
KU0G	KE5FXE	K0KD	KB0HH (EM06)	W8DN	N4USG
N7T	KF6UFO	K5QWO	KD5FTD	WB9TFH	N5JEH*
NA2AA	N3AIU (DN70)	KC8KSK	KM1C		N5LPT
TF3JB	N8GOU	KF4NEF	KT5MR	120	NA7L
W4OV	W4TKI	KM5LY	N0SL	EA1YO	NU6V
WB2JIL	WA3WZR	KM5SC	N8MR	K2CYE	W6WE
WY0V		N9WBR	N9AZZ	K4AU	WA1TBV
	133		PV8AAS	K4CGY	XE2PXN
138	KA5ETS	128	W1TAM	KD0R	
AC0XY	KC1RET	JR2LJO	W3KN	KD4MZM	116
AI6O	KE1VT	KC7QAG	W6SCQ	KD5BRF	EA4DEI
KD7WPJ	W0RT	KJ6SDF	W7YM	KE4SCY (FM06)	K4RGN
KE0A	WI5D	KN4DMN	W9CDL	N3YPJ	KI6QDH
KE3D	WW7Q	N1SFE		VE1JC	KU5B
KE8RO	XE2O	NR1R	123	VE3XK	N0VR
KQ4KX		W0WT	AC7AF	WA6RAY	NO0B
N3XH	132	W5ZO	K9SM	WD4OHD	W0DHB
	AB3CV	W8FR	KB0GT		
137	K5VG	WB2WEO	KB0STN	119	115
N1SZ	KW4G		KG6DHQ	AE5AU	K9AAN
N5JGK	N4PPH	127	VE3TG	K0AWU	K9MMS
SM7AED	N7TP	AA9RK	W1HS	K1ZN	KE6TVM
	NE1I	K3GYK	W3DIY	K2SQS	KF0QS
136	VE3TM	K7UV	W3SE	K4MSG	KF9AF
K0XXX	WN6K	K8AC	W4PRZ	K7JIZ	KM5FA
K4SX		K8OS	W5EWF	KF7PCL	N7VGO
KC5LK	131	KB3OZC	W7MHW	KP3V	VK9DX
KC9AXZ	K3NAT	KB9TLV	W8BI	KT0P	WA3BZT
KJ5RM	KG9R	KC0RQH	W8KHP	KW7N	WC7V
KV1E	KT3X	N6UTC	WA8WV	N4UPX	
NO1R	N2CJ	VE2JWH	WB2RVX	W0QC	114
W2JCN		W1FLD		W4SW	AC8HU
W4AVV	130	WA6BIL	122	W7QQ	K3RTU
W7UV	AB0X		K7AED	WI4T	KC4GCK
XE2JS	G4BWP	126	K7OGW	WM9M	NF8M
	K0GUR	KJ7G	KA9JAC		VE1WOW
135	K4JKB	N0BDS	KB4UF	118	VE3IRR
CU3EQ	K8LG	N7DGI	KB5WFE	J68AS	W2JLK
K4MWB	KC4NX	WB4HUC	KC5UGX	K4AZV	W2ZQ
K8ZIZ	NG9R	YL2AO	N5HYV	KA4LBD	W4ALF

W4UFO	N5TIF	WB4PPW	KC1LXO	K9AM	AI2S
W5DWA	N5YM		KC2TR	KA3ZLS	AI9U
WO2C	W7JET	106	KD9GKL	KB8CR	K2UA
WX4US	W7UP	K0MEI	KJ7OG	KC6WFS	K4UQC
113	109	K5BJW	KM6WXB	KC8DMN	K5GM
AB4PM	AK6ZZ	K7BWH	KO4LZ	KD8NYO	K5KV
AD5MD	IW1ARB	K7JE	N0STP	KE1AU	K8IJ
HB9BZA	K2DSW	KB0TIJ	N1LDY	KJ4M	K9CC
K3DQB	K2JGL	KC7ICM	N2FBQ	KR5V	KB9ZLB
KD4BPZ	K2OO	KE5JXC	N3UPS	N1HOQ	KC2HLI
KD6VCD	K5DNL	KJ6MBW	N7AGF	VE7ZD	KC8CC
KM5OL	K9GY	KK2DOG	NJ1H	W4RVZ	KC9CMT
N3JDQ	KE6GLA	N0RQ	VE2PIJ	W5DPT	KD3SW
N4YCI	KJ6CA	N1USB	W1TE	W5OV	KE5CVM
N5YK	KZ7N	N2IPH	W1ZE	W7UT	KF0Q
W0BM	N8TMW	N4CE	W4KVS	W9NFL	KG5X
W8MSP	N9TTX	N5FPW	W6ZQ	WA4IOB	KJ5OA
W8VW	VE3AAQ	N5YHF	W9EBK	WA8EQP	N3TBB
WD0ENC	W0YJT	N8HM	W9MDB	WB5FDP	N4NIA
WU3U	W1OP	N9XMU	WB2VUO	101	N5RZK
	W4ZRZ	VA3OKG	WB8BZK/VE3	AE7V	N5XTR
112	W5MPC/1	VE3AJY	103	AI5WW	N7EME
K2MLS	W7RJR	WB6VYH	AA5CK	K0IN	N8COP
K3GD	WB6YIY	WQ9F	AB0YM	K0SBV	N8XS
K5WTA	WB9W	105	AB5SS	K0WJ	VP2MRM
KA7T	108	AC4Q	K2OY	K2NUD	W2CH
N5HMH	CF3VRQ	DS4EOI	K4MVL	K5DWI	W4/KL7GLL
W1TR	JA9IPF	K4SJA	K8ZEE	K5HX	W4OZK
W5DQ	JP7EIP	K9MAL	KA1W	K7SYS	W8BZY
W6OAT	K5OPB	KB3JGS	KB0FHP	KB1JDX	W9DQ
W7IV	N3MWQ	KC0JYT	KB2SGX	KB4KBS	WA5TLP
W9PN	VE3SUB	KC4KK	KC9FFV	KC6AWX	WV9E
WA8TWM	VE7IG	KF4DGS	KF0AIJ	KC8CSD	99
WG3K	VY2RU	KJ7TH	KF4DVG	KG8WB	AB0SD
WX3P	W4AMP	N4NQY	KR4NO	KG9IL	AB3TM
XE1GK	W4CRN	N5SAN	N0YXE	KL2R	G4FKA
111	W5AAJ	N7YY	N1JIF	KR4WM	K0YO
K8BB	W8EH	NE9O	NF6P	KR7LD	K4KEW
N0SLT	W9VNE	PU4JOE	NN2D	N1IX	K4WQ
PC3T	107	VE3VRQ	VE7DXG	N4AOE	K4ZO
W8GBH	JA3EGE	W8MIL	W0TF	N8VEA	K5VPQ
WZ8P	K5UIC	W9RVG	W3LEO	N9DVS	K7DD
110	KF7PG	WA4MYO	W6IT	ON9CMR/WO	K7PAP
K5KR	KI9A	104	W6XU	VA2LGQ	K9ZZE
K7LD	KK4LUM	AB9YC	XE1RBV	W4LLP	KA0ZEE
KD5J	N3TTT	AC5K	102	W5KBD	KC2IEB
KI0F	N9OI	AC5RN	AA9MY	W7ISG	KC6X
KP4JRS	NF0T	AC9QR	AB8JH	WB8IMY	KD4MWO
KQ4LA	US0KW	IK4DRY	AD6KH	WD5IYT	KD6RUH
KX5U	W2TTT	K5PPP	K0HAQ	100	KG9AP
		KB9RNO	K3HW	AC0FT	KR4UA
					M5MYH

N4FV	WD0E	K4EQH	N3WAV	N0LNE	KE6AZX
N7HRT	WH6LR	K5CRJ	N4ET	N0LP	KE6UMW
N7JPF	WT5H	K8EMR	N5BLY	N2SU	KE8RPJ
N7TE	WV5Y	K9OT	N5ENU	N3JBH	KI0J
N8GHZ		KA2NDX	N5KI	N3XBG	KK7MNC
N8YV	97	KA3HED	N9IV	N3YUG	N2BX
N9MKC	AB8M	KB5GI	N9LJX	N5ZMP	N2YTF
NB5R	AJ9C	KB8PNS	OE9KFV	N6HY	N3AO
NH6CJ	K0HB	KC0HBP	PY2KP	N6MXU	N3ZBK
NI5W	K0JQZ	KD6PY	VA3KS	N7NH	N4GOA
NS2P	K0QEI	KI5TE	VA3PZ	N7UN	N4YHC
VE2HAY	K0SH	KM5NU	VE3KZ	N8WWM	N7EGY
W2HOG	K0YQ	KR4EE	VE3SPW	N9DD	N7JI
W2VU	K3HZO (FN20)	KS4V	W4YZJ	N9UNX	N7KSI
W5JLC	K4GTR	KT5RR	W5ADA	VA3MA	NA9D
W6TJU	K4JQU	N0WVU	W5CBF	VE3RX	VA3JFF
WA5TRX	K8XF	N2LID	W5RCQ	VE5MX	VA7QI
WB5NHX	KA2BSK	N2VHZ	W7JWC	VE7AB	VE3WMD
WB7VVD	KA7EII	N2XK	W9SX	W2GR	VK5PJ
WK5X	KC0YBM	N8PAQ	WA2ONK	W3IPA	W0MHK
WW2R (EL09)	KD5CKP	N8YBY	WA3I	W3TA	W2VTV
	KF4KSN	NT2A	WA4WR	W4LNG	W3ZGD
98	KM4NYI	NW5Q	WB2SIH	W5ODD	W4VG
AC2RL	KT5WB	NY2Z	WD8DOT	W5PUF	W5DMT
AD8Y	N1VMJ	VE2DCP	WS4S	W7NX	W7EIR
K0KC	N3UMA	VE6RGU	XE2AT	WA7LHZ	W7TRX
K0UD	N4BH	W1HMM		WA9BXX	W9IFW
K3IXD	N6MA	W3VHF	94	WT9U	W9NED
K3QIA	N9APK	W4KK	AA4RP	WV2I	W9WI
K4OP	N9IO	W4TMR	AB4VT	WV7S	WA5ICA
K5HOB	N9KY	W7JHS	AD1DX		WB5CON
KA1EKR	NK7C	WA3EEC	AK8CW	93	
KE4LGL	NU0Y	WB5KJE	HK4SAN	AG2A	92
KG4YOU	NV3K	WP4LNY	K0ARM	AG6CV	K1EY
KG7E	VA3FIN		K3BEE	AI8F	K5GDX
KJ2G	W3QT	95	K3TUF	IZ4DPV	K5TDA
KK0CQ	W4CWA	AB9AI	K4JRK	K0IW	K7FU
KY0Q	W4DAS	AE0G	K4LDC	K0RM	K7HKR
N0JJQ	W4ID	AE5EO	K8GT	K1PTF	K7UWR
N1JHJ	W7DN	IK8YTA	K9DOG	K1ZK	KB0PQP
N3LRP	WA6OSX	K1PNQ	K9SUL	K2AK	KC4JNW
N5TEY	WA9LEY	K4ED	KA2F	K2MTS	KD4QMY
N8AID	WB8RVK	K8KFJ	KA9UVY	K4DAM	KE4WBO
NO5X	WB8ZTV	K8ME	KB4YKC	K5TRI	KG4URP
NO8R	WE8L	K8VD	KB7AK	K6RM	KR7X
VA3VF		KD7WH	KC0AUY	K7IP	N2SG
VE4XTZ	96	KD8DR	KC3AK	K7TRK	N3GH
W2KRP	AD5OW	KD9ZR	KD4VRZ	KB0USF	N4VN
W6TE	AE4TQ	KI0SK	KE3WM	KC5TGT	N5QO
WA2FGK	AK4F	KW9U	KF0LA	KC5TT	N6FD
WA3TLT	K2CK	N1XK	KG4NLZ	KC9TTR	N6RPM
WB1GQR	K2UF	N2SLO	KU4JZ	KC9UL	N7DED
WB2YDS	K2UNK	N2WLS	KV3W	KD0QG	NS6E

UT5JAJ	WB0NRV	KF4TVL	N4KIN	VA7LM	K8SIA
W1PV	WB7X	KI0G	N4UC	VE7IRU	KB3HHA
W2ACY	WC4V	KI4FW	N5VBK	W8IW	KB9LIE
W2CVW	XE1GZU	KI4US	NS3X	WA1PMA	KK7BV
W3ACO		KR4U	NT4TN	WB4GCS	KU4WW
W3GP	90	N2GZ	VE2VLJ	XE2AU	N5PD
W3HZU	AA0LM	N5KAE	W2BZR		N6KTH
W4BP	AB4WL	N8YSZ	W3YX	85	SV2AEL
W4LIA	AB9DU	N9RG	W4DL	AC3KE	TG9AKH
W6NS	AF5BG	N9UDX	W4RXR	AC9GK	W7USB
W8JV	DL1SMA	NE2U	W7HDD	EI3IO	WD6T
W9HBH	JH4JNG	VE3VCF	WA2BTR	K1UU	WD9IOK
WA3JKB	K1HC	W0HRO	WA5MD	K4LRP	WI6Z
WA4EEZ	K1KA	W1HY	WK3N	K5MJP	XE1MM
WG8E	K3CWF	W2JEK	WV8O	KB3MXK	
WM3O	K3UAL	W2OK	XE1SOV	KC0V	82
	K4AAP	W4ZMM		KE4DRF	AD4IE
91	K4FTP	W6VNQ	87	KK4AND	CB0ZA
AA0CW	K4XZ	WA7SDI	AC0A	N2RJ	K3RJK
AD3Y	K6UIP	WB3IAL	AG4I	N4LS	K4JMX
CO2WZ	K8EAB	WM6Y	K4JC	NJ1Q	KA5WSS
HB9ALO	KA5TJI	WQ5C	K5UZ	NM4SH	KC5YKX
K0CFI	KB5FHK	WR5AY	K5WO	VE3GFN	KG4KVZ
K1UR	KB7BSA	XE2NL	KB1VUN	VE7DAY	N1SF
K4SPA	KK4DZP	XE3DX	KC8NAH	W1WV	PU8TEP
K6YK	KW3DX		KE6WOX	W3STU	W5DAS
K7HPN	N2ULL	88	KI6RRD	W4IT	W7YOZ
K8OI	N4BRF	AA4QE	N0ELA	W4RA	W8GG
KB2YWU	N5BA	AE0DX	N2CJN	W6ST	WA2ONG
KB3IAI	N9JJ	AE4OF	NE5S	W7SIR	
KB3NDS	VA3XOV	AF4MI	NI5F	W8DQ	81
KB7AZ	W9CPV	K1RS	NN7RM	W9QY	AB4I
KC5POV	W9CSY	K3TN	W8GOC	WA4WKL	DF3CB
KC8LGL	WA2BEV	K4XD	WB3IGR	WD4LSS	KE4DZU
KE1IU	WA8OJR	K7CTV	WB8JAY	WF4R	N6MM
KE7RTB	WD9HCF	K7WV	WF4W		N7NEV
KG4QWC	WE7H	K7ZYV		84	NI4Y
KI3O	WEST SEATTLE	K9MA TEUR	86	CT3FT	W3MC
KI5BLU	WH6LE	KB2KIR	AG1T	DS2JJV	WA4ZXV
KM7N	WM7C	KC1GWX	K7FB	K4EZY	WA8ZNC
KM9I	WT4C	KC3MLC	KA9OKH	KE6NDG	
KQ6K	XE3/K5ENS	KE8UM	KB7JJG	N1KI	80
N3PPH		KI2D	KI6HQT	N2NWS	AC6BW
N3WCM	89	KI4RFM	KN4MMH	VE2WBK	K7FR
N6DW	AB1TZ	KJ4KW	KP4TB	W8PU	KE4PT
N7CZ	AG2AA	KQ4AJI	KT1R	W8SGR	KR4Q
N8DEZ	AG7NR	KU4S	N2NF	ZS6NK	KW1DX
NR4J	G4NBS	N0OK	N3MVF		N2NS
NU4N	JQ1TIV	N1CEO	N8TFD	83	VY2HF
VA2BBW	K4BMM	N2MKT	NZ3O	AA6E	W2DEN
W2SUB	K5CX	N2ZN	SV1RK	DL5XJ	W5TTY
W4MLN	K5JAZ	N4CAG	UT9FJ	K1LH	W7AM
W5KDA	KA0MWA	N4GN	VA3MDB	K4SQC	

79 JF1LMB K4RW K5JBT KB4DSL KP4N N2COP N5YJZ N9RC VE3CFK W2GW W2SKI WN0L	WC6DX 73 JF1IRW VP2MJD W4WT 72 N4II PV8ADI 71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M 70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP 69 K3WGR W1YM WD4LBR YL2JZ	K5EJ N7UJJ OK1MP W4CCS 64 K3BQ WD5GRW (EM13QC) 63 EA1DR HL2EIZ KB0RFY 62 K4DXA N6ZDH 61 CU3AN K4MLB N0GVK 60 HB9BIN KP4JFR S55DX UR9QQ 58 KC6NBI SV8CS WA2MUA	54 AG4KI JR2SQZ 53 K0BBC PP1CZ 51 CT1ETE N8OFS OH4UI VE9FCP 49 HB9RUZ 48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA 47 HB9RYZ JE1VTZ N6PAZ 45 JA6WJL K4TXJ 44 DM2RM WO3T XE2YWH/1 43 8P6SH CT1EEN HB9AOF K4ZIN LA6OP 42 HA5PT 41 E75AA	40 JR0QFA WB8TGY 39 AA5PK 38 DD3KF DG7RO DU1EV HL4GAV K8YSE 37 BA7NQ DS4AOW HL4CJG JA9APS JH9DRL OE3SGU 36 JA1WSK 35 GI4OWA LU9DO UR5WA 34 G4SEU JL3LSF LA2QM 33 W8GC WB4SON WB8TGY (EN72) 32 N3LRH SM6WET ZL3TE 31 K7TM 30 E72X JO7WXN WA6DNR	29 HL2WA OE4VIE 28 CT8/K0RUI E70A JA6CRP JR7ILA K0FMI OH3DP 27 KC9ELU WP4NIX 26 WB7QXU 25 EA4/K1WE 24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO 23 GM4ILS K4SLC KP4EIT W8MK 22 9H1SP IZ3ENH 21 EA1YN 20 CX1FK I1FQH JM1KVW N1WC PY5EW W8LR
78 IZ8EDJ K2QPN SP5QWB TG9AWS W4NE 77 K1IFJ MI0AYR US5WE 76 K0WYN K6MAA KI4CYB KI7WXP N1GNB N2MH/4 75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL W4LVH W5UC WP4NEG ZL3AAU 74 AK8B CX4AAJ KF2TI LU4FPZ VE6SO VK4CZ					

19	F4ESV	JJ2NWI	VK4ZP	K4KZM	PU5SVE
DL1TS	HB9DDZ	N8RO	XE1SAX	K7LY	SM3GBA
EA6BB	IK2RPE	OH8LXT		KEN IN NEBRASKA	SM6LPG
JE2UFF	JK1UNZ		3	LA2CQ	SP7EXY
JJ4WAO	JN1RQV	7	DJ5AV	OH3KAV	SQ5NRY
JR3UIC	N1IW	DL1TRK	DL2KQ	SV1XV	UN8G
PY2HN	ZS6WB	G8APB	EA1AR	SV3FUO	UR5EDX
SP8NR		GM4KHE	EA4D	YB2DX	VR2VGM
VE6TA (DO31)	11	IZ0INX	G3LHJ	YL2KF	WB7VUF
	A65BR	JA2NDQ	G4DDL		YO8WW
18	DL2OE	LA3DV	HA9PP	1	
AJ6V	EA4DAU	N5ORT	HL2ZN	3A2MW	
KJ4EU	EA4ZK	NJ4Y	IK0WRB	9A2EY	
W0HBH	G4CTY	UR5FEO	IK8EPC	AJ6T (EM66)	
	IZ4GWE	ZS4TX	JJ1CHH	BD4UJ	
17	JA2KVB		JM1GHT	CT1AHU	
G3LZQ	JA6QHJ	6	JN1BPM	DH8BQA	
PY2XAT	KA5WRG	CT2FEY	JR6IQI	DJ3ZF	
SP5XMU	PY2DV	DU0A	KC0Y	DL2DCX	
SV8CKM	PY2GM	EI2JC	PY5IP	DL4ZAB	
		JA7NGE	SA7CJO	DL8GAM	
16	10	PY2VA	SV1VN	DS5DNO	
N6VHF	DL4CF		US0YA	DS5TOS	
TI2CDA	HB9BOS	5	W1CBY	EA2AA	
	JH7IMX	DL5LH	WD9EWK (DM43)	EA3WD	
15	JH8RZJ	EA1AAA	YB1TJ	EA4GQS	
9K2BM	JJ2UDK	EA7ZY	YL2CA	F1VEV	
EI2GLB	PA5KT	G6MXL	YL2MU	G4CFS	
HB9FMN	SV2DCD	IK8GYS		G4VSS	
LU5FF	TF3Y	JJ5USJ	2	G7SQS	
PY2RN	UR7DWW	JJ1IDW	5B4ALJ	G8TTI	
UT3UA		M1VPN	6K5XZE	IK5BSC	
WC2C	9	MU0GSY	9A2GA	IW0AFS	
	DL7BA	OK1IN	9K2NO	IZ0BTV	
14	EB1EWE	ON5UE	BV6CC	IZ2CSX	
EA8MT	EC7ZK	PP2RON	CO6CBF	IZ3DBA	
IW3GJF	G6BFP	SK6QA	DF3VG	IZ5FSA	
JA2XCR	HB9GWJ	VE2NGH	DF8FT	JA1GZK	
KB8DVT	IK3ITB	VR2XMT	DK1CO	JA7DPC	
PA7RA	JA1MZL	W1ZR	EH4BPJ	JA7VXB	
PV8RR	JA2FGL	W2ZF	ES8JX	JH8XVT	
PY2OC	JE1LFX	YL2CZ	F5TMJ	JJ1HNC	
W9TTY	KD3UY		G0THY	JJ1PFC	
	S51NM	4	G8GNI	JL2ULM	
13		CT7/RC2A	G4ONL	JN3ONX	
JA2LWD	8	DD6UAH	IK1IYU	KC3KJQ	
K4AKX	DF1ZN	EK/RX3DPK	IK2GOQ	KG4JSZ	
K4WY	DH0GSU	F1DFR	IZ8XQC	KH6WI	
PY2MC	DK2LO	GM4CFS	JA6AVT	KP4DER	
W4PWF	G1VDP	IV3GOW	JA6SZV	MM0INH	
	JA1CPU	JH7IPR	JA9FAI	OK1UU	
12	JE3PCP	JK6DXD	JH3MHI	ON6NA	
EA3GP	JG1JPE	UT5EL	JP1HDK	OZ1IKY	