

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 (28 Sep 2025). 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	W0LGQ	485	KC7V	KB6NAN	KB9DAK
AA0MZ	W3CP	K0TPP	NC6K	WB9CIF	W5XC
AA5AM	W4UDH	K9MU	W9RN	WX7M	
AA5C	W5ADD	N0POH			452
AA7A	W5AFY	W5VY	476	464	N5BO
AI5I	W5AJ		KC7QY	KB9OWD	N9BX
K0GU	W5EME	484			NE1B
K1TOL	W5FF	AD6D	475	463	
K4PI	W5KI	K7BG	N4WW	K4MY	451
K4XO	W5OZI	KM0T	N5KO		K5WBM
K5RK	W7GJ	W5ZN		462	
K5UR	W7JW		474	K6ZH	450
K5WE	W7KNT	483	K7KQA	N6ORB	AJ4F
K7CW	W7MEM	AC0RA	W6XK	NY0V	W5THT
K7ULS	W9FF	K1USA			
K8SIX	W9JN	W0VTT	473	461	449
K9CT	W9RM	W5TRL	N4TB	N4JQQ	KF6HI
KA9CFD	W9XX		NQ7R	NA9RB	W8TN
KA9FOX	WD5K	482	WB0O		
KD5M	WQ5S	KX4R		460	448
KG5CCI	WS9V		472	K4SO	W3LPL
KM0A		481	AI1K		
KO9A	487	W9VHF	KB7ME	459	447
KR7O	K0SIX	WA7HQD	N7ZO	N5NA	AH0U
KV5W	K1TO		WD8JJA	XE2K	K3SX
N0LL	K7MAC	480			K4HB
N0LWF	K9YY	K5GZR	471	458	KS7S
N0PB	N0AKC	WB0ULX	ND4X	K9NW	N4SC
N0TB	N7CW	XE2OR		KG5THG	
N1AV	N7IR		470	N9BCA	446
N3SL	N9ISN	479	WO7R		K1HTV
N3XX	NA6L	N5WS		457	K6EID
N5DG	W3IP	W5WVO	468	NI0G	WB7CJO
N5OMG			VE3EK	W3UR	
N6JV	486	478			445
N7NW	K5ND	AD1C	467	456	K4XP
N9LB	KY7M	AE5B	N5EKO	N4QS	K7PI
N9UM	N0KE	AF5CC	WE9R	N9PGG	KU7Z
ND0B	N7KA				N8OC
W0FY	WD5COV	477	466	453	
W0JW	XE2CQ	K0BJ	KA0JGH	K4YMQ	

444 N7BAV	432 K6GXO N6KK	417 NJ6D	405 AA4SC K3FRK K5CKS NE9U W0MU	392 AF4HX W6OMF	N8WNA W6TMD
443 AB4IQ N4MM WB8ZBT XE2X	431 K0TLM	416 K4RWP K7ND KO4MA		391 AD5A N1EVK W4AVY	378 WR7X
442 KP4AJ N2QT	430 K1TEO KF8MY N5TJ	415 K5OMC K7AWB W0GJ WW1L	404 N2ZX VE4EAR		377 AB1OC NT9E
441 K8TB K9KLD KD3CQ	429 WA5JCI	414 K0DEQ N0GZ	403 AA1ON NH6T/W4	389 AB4SF	376 K8GI K8VFX N2WK N3OC
440 AG9S N4TL W2IRT WA1EAZ	428 K5RT K9APW N2NL	413 AE5FM WA9LFO	402 K3FM K7SMA	387 KV4T N4CH	375 K6QG WB4OQX
439 K8ZM WA9DU	427 N4LR	412 VE2XK 6M FN07	401 K4CKS	386 N7IJ NN4R W5TFW W7AH WE4S	374 KV7K N6GP N7DB
438 K9MK	426 K4ZOT K8ZR N5OK W5JAY	411 N9EAT	400 W0JRP W0RH W3UUM		373 K4SSO NY1V
437 KK4MA	425 K6ML	410 K5XI KE7SW KE8KMX KI8G N4HN	398 N8IEZ W1NG	385 NK1K VE6MB W4WTA	372 JA7QVI W5MO
436 N4QWZ N9FN W3TC WB8ART	424 N4UFP N9AKR W3EP WB8BPU	409 N5SYV	397 K8JH	384 K8ROK W7FI	371 WA6BYA
435 KF6A	423 AJ4A W4DR	408 W7BA	396 K6VHF KB8U	382 K5PI VE3YXO	370 K5TN KN4SM KS4YT N3MK NT0V
434 K1SIX K8ROX KF0M	422 VE6WQ WB5JID	407 W4AS W5CIA W5PR	395 AA5XE K0AZ KF7CQ	381 AG4W W3VZ	369 KF8UN N2DPF
433 NA6MG NM5U W3LL W9WO	420 VE3LYC	406 AK3E K6FG K8EB N4UFO	394 AA5JF K2TER KT8O	380 K7MCX NE6I WA5LFD	368 K0DD KB0V W5RCI W6GMT
	419 K7NN W0GN W5AL		393 K1GG K7XC W4TV	379 AB9BH KI0E KZ2I	

367 AA4ZZ KC4HW KR4BD W7Yaq	353 AF2K K0CS	N0AN N8LRG	332 AA7UN N4JDB N7KDT VA3IKE VE1JBC W9GM	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY	313 K0TC N2ZZ N6NR N7UVH NF4A W4GLV W5RKN WA1NLG
366 KI7JA	352 KF9UG NZ3M VE3DS W0KKK W1DYJ WA9PWP XE2ML	339 KE4BKL VA7FC W5VAS			
365 K4JJW K7XB KG7CW W4FC WB4EVH		338 VE3SXE WA5KBH	331 K1GJQ K8WDA KC0UDO N4MW	323 N8II W8KEN WO2T	312 AF6O KA2GOJ
364 AB5EB K0RAR N6QQ	351 AA4FL K5DTC	337 K8ZES NU6S W9EWZ WA5RT WW0E	330 KB8MBC KG6AY W8PI	322 AA8SW VA6SZ	311 AC9S KM3T KS4XQ W2BZY W5DB
363 W4NH	350 N6VI N8YO	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA W8OP WO9S	329 AA1QD N2JJ N8HRZ W2OR W8WG W9DCT W9XA WX4G	321 NC7B NS4C W9VA	310 N1NK NJ7G W9KVR WO4DX
362 W1JR WA5OLT	349 KA0BAD			320 K0VG N4DW	
361 K8BL K9NR N1KDO N7MB N8KOL NG4C NI0P	346 W8LMG			319 N7US W4ER	309 AA4LR
	345 KB1EFS VE7BV W3XY XE2YWH	335 AK0MR K5FUV K5FZ K9QVB KB4MRX N3PS W9GKA WA7PDC	328 K6ME N5PT W2CNS WB3LHD	318 N3ALN W4HY	307 KE5K NA5Z W3ATV W9RPM
360 AA4FF K6UM (CN85)	344 AC9DX K6FW KB0PE N9XG W1OW		327 KJ5RC N0YO W2JU	317 KA8SYV W1SKU W3HDH	306 K1ST K4QE K6RO N0LD WB0OQV WV9L
358 K5RLA K6EME KG8P NK0S	343 AB4EJ K5EK N3RC W2HRO	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	326 K2ZD K6LMN K6TDI NG7M W7JLC WF7T	316 K3FN KA0ABA W4UCK W9BWR	
357 K4LVV	341 KD7DCR NX7U WA7YAZ	333 KM4HI KN4NN N0IGZ N6KZ W3GQ	325 WA2AEY WB4KTF	315 K5VH NY2NY XE1AO	305 K3VAT K6UM (CM88) KF2T KT1J WA9M
355 KD5XB	340 KE4TH			314 KU4XO VE3XN	304 K6IPF

WA0GUD	295 JG1TSG KE4P N7NT	284 AB0RX K0KP K4DET KX7L NJ2F (EL96)	276 K2CS K5TWJ K7TAB W9OO	268 K6OJ N9ZTS W0KAN	W3SW XE1YD
303 EA8DBM K8TGC K8TL N7LAN	294 K6JSV	283 K2BLA N7RO WA0FQK WB0CQO	275 K1MAA K2NJ N4GG W0FK	267 K0CAO KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	259 K1BD KD4ADC KG6I KN5O NS7K NY1E VE6BMX W9TA WA4YA
302 KB2TGU N3KN W3TI	293 K2UU K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	282 AA0ZP K0PG K5TA N8JCM W4WM	274 KB1DMX WA8MCD XE1YY	266 K1OA K1WVX TG9AJR WB8EJN	258 K2HAT NA2NY VE3MSC WB7ECS
301 N0HJZ W7IB W9OBG WA8ZID WB0TVY	292 KJ6P W1SSN	281 K4OY NL7CO W2YE	273 KM4H KV1J VE6SH		
300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH WX0Z WX2S	291 KS4S W1WHL W2CCC	280 N0KV NM5Z W1FKF	272 KF8QL KO4PRE N4SV	265 N5KS W7CT	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB W0PPA WA2HFI/0
299 N9JR VE6WK W1LE W5SUM W8UV WB5GVY	290 JE1BMJ WA8EFK	279 AA8MA N3JPU W0VHF (EL87) W8GJ WA4NVM XE1FAS	271 K7NII KB7FUV KM3V W3HHN	264 AC8L K4JAF N0TK NF1O	
298 AG1A KD4WSC N4IQ	289 K4MM K9FA N5BCA NQ7G W4LTJ	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N	270 K4SPD KC9FQD KV7N N2LIV W4QK W5DNT W7JY WZ9B	263 AK4PR K9AAA WB7QBS	256 N8ZJN
297 DK8NE KE8Y N8YQX N9LF	288 K1NU N6AR W1DU W4HLR W7YA	277 AC7JM JR1LZK NS4T PV8DX	269 K2IE K3ZO KD5R KK0DX N5EPA N5WD VA2CY	262 K3CWH KD8JSP N4ST ND4DX WA0KBZ	255 JM1IGJ K8MVZ KG4JPL NI3K W0NOZ WA8KNE
296 K4XR K6YUI KC7RW	287 KC7MRQ N8CGY		261 AF2F K3TWK KB8UUZ N3EW	254 N7QOZ VE3OTL WD5ITW	253 KG4ERR N2XQM
	285 K5CZD K9UO		260 K6JAD N6HC NT7C	252 AB5A	

CT1EEB	N3AIU (FM08)	W5AJX	K7HSJ	K6CQR	213
F4BKV	N4JRY		KF2ZQ	N0PSJ	K3DFL
K1ACL	VA3ZV	235	N8AIA	N4ION	KI6X
K3NK	VE3VHB	ND0C	W5HEZ	N5UWY	W0NBC
NN4RR	W0VD	NN9X		W4IFI	
VE6NTT	WD4IXD	VO1GO	227	W5JMW	212
		WB6RJH	K3HPA		AB5C
251	243	WT2P	K8ZT	220	JF8QNF
AD5JK	JA1QJI	WZ9W	K9TF	K7BTW	JR3REX
HC1BI	K3TC		KS9A	N7XCZ	KF7NN
K1NJ	W4EJ	234	W4KXY		N2OA
KG7NV	YV1DIG	KE6FCT	W5LUA	219	
NN4SS			XE1GLL	K1DT	211
	242	233		K2RKJ	K9FOH
250	AE4WG	K1AFC	226	KE5RV	NE8S
AA9LC	K3WW	N3AIU (DM45)	AF5WN	W6DPD	VE3SMA
K5KEW	KA3TCC	N9NJS	GD0TEP	W7ZSL	W2ZDP
KL0S		VE7VZ	JM1SZY	WB2WIH (FN20)	W5HNK
NW6R	241	W3DF	N7CNH		W6AER
	N6NU	W8PAT	N8UR	218	W6KAP
249	W5LO	W9TD	NM5S	K1XH	
CT1IUA		XE1L	W0VX	K4IJQ	210
K7LOL	240		W8RD	K5HPT	K3MSB
K8AO	AB5GU	232	WQ6Q	KB8KVJ	K9YC
KQ5U	KG5EIU	K5FO		KC0VDY	KL7NO
N1GC	KI0HA	N0FJP	225	NA5C	N1SV
W2LV	KK4ZUU	N5PA	AC9O		N1TQ
	KO6LU	N9NJY	K9QJ	217	N6UK
248	VA3HP		KX9X (EN50)	ND4V	WQ9T
K1ZZ	W1VT	231	N2WSY	W4DEE	
W6VFA	WA2VJL	AI9L	W8AKS		209
		K4MIJ	WN6W	216	AA4IB
247	239	K5VR		K7RB	W5WGF
W3TEF	KF4LVF	K6HEW	224	N0IS	WA4NFO
	W6RW	KF6GYM	IT9IPQ	N6PM	XE2N
246	W9YOY/M	W9XT	JA8ISU	NE1F	
JA1UAV	WA3SEE		K9MQ	W4HFZ	208
K0DAS	WB1FLD	230	NJ8J	W5RWF	AI2N
K8YC		K1ZE		WA2OTC	CO8DM
KK8X	238	KO4MM	223		KD5HIO
N5TIT	AA3GM	VA3XJ	K7UA	215	PV8ABC
VE6TA (DO33)	JP1LRT	WB0WAO/8	NJ7A	AL7OC	
W4FRA	MD0CCE			K2SX	207
WI7P		229	222	KI5FJ	N1BCL
	237	K6RG	K0YY	N2YU	N8NJA
245	K3KO	KB9RUG	K2TV	N6KW	
N1IA		KD5IKG	K3AJ		206
N3XF	236	KE4UW	KA1LMR	214	AB0CT
VA3CW	K0SU	N4NX	KD4K	KB9PJL	AK4Y
	K4NK	NN5DX	WA2BOT	PV8AZ	CT3MD
244	KB1HY			VE3SYK	K4GHS
AA9RR	N3FTI	228	221	WA7AJ	K9YC (EN61)
K8DV	N9ATD	K5RUS	K5WMH		KB0LYL

NA5Q W0BNE W4EJG XE1J	199 N3KfV W4OEP WB0YEA	W6MTR W8FN	KU4UC NA2R PY5CC W3OU W5BPT	N0MMA NH7RO VA3DPB W8LHP WA4QMQ	173 K2ZZ K5YPV KE4SCY
205 AF4OD K8SD KE4HOA N5ITO N9ATF W8QID	198 AC8TO JR2HCB N0UK N7EPD NX0I WA7KYM	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 4O3A AF5Q K0DEW KR4M N1IBM N4BG	178 KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD W9JJ WY7FD	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC
204 WA3DRC	197 K3EGE N4BAF W3TW W5CTV	190 K5DB K5ER KC2DLD KK8MM N5SMQ N9UA W1ATV W2OO WB0DBS	183 K5RQ N0UBL W2UDT		171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ
203 K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM W3SZ W9GFB W9VOB WA1KPD	196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	189 KC0MEA WA5VKS	182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I XE1CL	177 AG4ZE K2QQ KI4BWW SM7FJE W5ZG WA8UEG	170 K9TVG N4GBK N8CN NA2U W1MJC W4IHI W4JKC WK3V
202 K1BZ K5GJR WC7X WF8Z WQ5W	195 AA4W JA7MSQ K2WJ K6VDP KG6WIK	188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF N9MSG NY0A W4RBO W9BS WJ1B	176 AD5ZA EA5BY K0DI KX9X N5QGH NP4BM W5AFD WA5IPS WW2R	
201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ	194 K2MRK K3EA N3FA N9NFT WF1H WK8A	187 AA8R KD3HN KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 PV8BR	169 K6XC KD5OMJ N2BEG N5XES N7PHY NY4I VE3HHT W8KNO
200 4A2MAX K4YJ N5AO N9AG VA3VU W1AW	193 K7PT K9AB	186 DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE	179 K1EP KU4WD N0LIE	174 K3MD K6WRL KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA157)	168 KG5ZMQ W2PD W8WEJ

N0NHW NO0T TG9ADQ W1BAT	160 AB1QB JA1AFR K5IQ	N1OFZ N2ADV N6DHZ W3DQS W5FI W9ILY WB5ZAM	W4YCC W5WOX WA0VPJ WA3YGQ	141 K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WR7AY	N5JGK SM7AED
166 JA1OVD KC2GHT N5VU NC4RY VA3WEB WB4KXS	159 G0OIL K4MZ NS7B W1EME W4TTO WB8NUT	152 AA6I N0RC N1NUM N2WM NU1T UT7QF W6IA WO4G	146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	140 AC5DK BA4SI 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
165 K4DXT KD5HPT N1JFU W0RIC	158 K8CR KI0D N2CG	151 KO0Z OE6IMD W1ZT W2DXE	145 KD7YZ V31MD VA3TTX WA4JA	135 CU3EQ K4MWB K8ZIZ LY3W N4DB N8XE W6BXQ WB8BZK WW2DX XE1H	
164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	157 K4FX KB8GC KC2WUF WA7NB	150 N9LAH VE3OAT W7APM	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI	139 IZ8FFA KC7JPC KU0G N7T NA2AA NZ6N W4OV WB2JIL WY0V	134 AB1NS AB4GE C6ABB GM4UYE KE5FXE N3AIU (DN70) N8GOU W4TKI WA3WZR
163 K2JF K2YSY N3FX N5XZ	155 AE4M CT1BWU K3TD K6XN N7AU N9OBE TG9ANF VA3NQ WV8DX	149 AB6CF K4SAN KK9H W3UA WB4VHF	143 K0KVR K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	138 AC0XY AI6O JA6RJK KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	133 KA5ETS KC1RET KE1VT KM8V W0RT W4GE WI5D WW7Q XE2O
162 AF4GK K0QB KA1R KD4TDI N5SIX W9JJB W9VS WA1Z WB0WAO	154 AE4NT I0WTD KB9VMW KD2NF W3ZQN	148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N5ZBI W6VNIQ (CM88) WB6RAB	142 N2ZA N5RMS NA2X NC4VA PV8AJ W5SWV WA5TKU WS4V	137 N1SZ	
161 K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG	153 AA4NC AB4GG K7AD K7ZD	147 AF6AV IZ1LBG K6PSP KC1BUF VE3CX			

K5VG	127	KG6DHQ	K1ZN	115	W7IV
KW4G	AA9RK	VE3TG	K2SQS	K9MMS	W9PN
N4PPH	JR2LJO	W1HS	K4MSG	KE6TVM	WA8TWM
N7TP	K3GYK	W3SE	K7JIZ	KF0QS	WG3K
N8IK	K7UV	W4PRZ	KF7PCL	KF9AF	WX3P
NE1I	K8AC	W5EWF	KP3V	KM5FA	XE1GK
VE3TM	K8OS	W7MHW	KT0P	N7VGO	
WN6K	KB3OZC	W8BI	KW7N	UW5ZM	111
	KB9TLV	W8KHP	N4UPX	VK9DX	N0SLT
131	KC0RQH	WA8WV	W0QC	WA3BZT	PC3T
K3NAT	N6UTC	WB2RVX	W4SW	WC7V	W8GBH
KG9R	NO8D		W5DM		WZ8P
N2CJ	VE2JWH	122	W7QQ	114	
	W1FLD	K7AED	WI4T	AC8HU	110
130	WA6BIL	K7OGW	WM9M	K2RET	EA4DEI
AB0X		KA9JAC		K3RTU	K5KR
JA3LZS	126	KB4UF	118	K9AAN	K7LD
JR1BAS	KJ7G	KB5WFE	J68AS	KC4GCK	KD5J
K0GUR	N0BDS	KC5UGX	K4AZV	KG9Z	KI0F
K4JKB	N7DGI	N5HYV	KA4LBD	NF8M	KP4JRS
K8LG	WB4HUC	VE6PY	KF6MXK	VE1WOW	KQ4LA
KC4NX	YL2AO	VE7JAC	KI7BP	VE3IRR	KX5U
NG9R		WD0GTy	KT8X	W2JLK	N5TIF
VE1DX	125		KW4BY	W2ZQ	N5YM
VE2TZT	AA7DK	121	N1QDQ	W4ALF	W7JET
W0PHX	K3PU	AE1P	N3JNX	W4UFO	W7UP
W2LES	KC5DRI	K0MFI	N5EIL	WO2C	
W3FEY	W2AJM	K4HBI	TF3JB	WX4US	109
WA2SEI	W3UQH	KB2WAL	W2AC / WB2ABK		AK6ZZ
WB4YDL	W4DFU	KB5MH	W2AC/WB2ABK	113	G4BWP
WW5W	WA6POZ	KE4JFS	WB2KSK	AB4PM	IW1ARB
	WB4OMM	NE0P/9		AD5MD	K2DSW
129	WE1P	UR0MC	117	K3DQB	K2JGL
8P6ET		W8DN	AB5J	KD4BPZ	K2OO
JF4VZT	124	WB9TFH	K4WS	KD6VCD	K5DNL
K0KD	K0DLW		N4USG	KM5OL	K9GY
K5QWO	KB0HH (EM06)	120	N5JEH*	N3JDQ	KE6GLA
KC8KSK	KD5FTD	EA1YO	N5LPT	N4YCI	KJ6CA
KF4NEF	KM1C	K2CYE	NA7L	N5YK	KZ7N
KM5LY	KT5MR	K4CGY	NU6V	W0BM	N8TMW
KM5SC	N0SL	KD0R	W6WE	W8MSP	N9TTX
N9WBR	N9AZZ	KD4MZM	WA1TBV	W8VW	VE3AAQ
	PV8AAS	KD5BRF	XE2PXN	WD0ENC	W0YJT
128	W0PE	KE4SCY (FM06)			W1OP
KC7QAG	W1TAM	N3YPJ	116	112	W4ZRZ
KJ6SDF	W7YM	VE1JC	IK7EOT	K2MLS	W5MPC/1
KN4DMN	W9CDL	VE3XK	K4RGN	K3GD	W7RJR
N1SFE		WA6RAY	KI6QDH	K5WTA	WB6YIY
W0WT	123	WD4OHD	KU5B	KA7T	WB9W
W5ZO	AC7AF		N0VR	N5HMH	
W8FR	K9SM	119	NO0B	W1TR	108
WB2WEO	KB0GT	AE5AU	W0DHB	W5DQ	CF3VRQ
	KB0STN	K0AWU		W6OAT	HB9BZA

JA9IPF	DS4EOI	K2OY	K5HX	W4OZK	K0UD
JP7EIP	K4SJA	K4MVL	K7SYS	W8BZY	K3IXD
K5OPB	K9MAL	K6USY	KB1JDX	W9DQ	K3QIA
N3MWQ	KB3JGS	K8ZEE	KB4KBS	WA5TLP	K4OP
N5DD	KC0JYT	KA1W	KC6AWX	WV9E	K5HOB
VE3SUB	KC4KK	KB0FHP	KC8CSD		KA1EKR
VE7IG	KF4DGS	KB2SGX	KG8WB	99	KE4LGL
VY2RU	KJ7TH	KC9FFV	KG9IL	AB0SD	KG4YOU
W4AMP	N4NQY	KF0AIJ	KL2R	AB3TM	KG7E
W4CRN	N5SAN	KF4DVG	KR4WM	K0YO	KJ2G
W5AAJ	N7YY	KR4NO	KR7LD	K4KEW	KK0CQ
W8EH	NE9O	N0YXE	N1IX	K4WQ	KY0Q
W9VNE	PU4JOE	N1JIF	N4AOE	K4ZO	N0JJQ
XE1R	VE3VRQ	NF6P	N8VEA	K5VPQ	N1JHJ
	W8MIL	VE7DXG	N9DVS	K7DD	N3LRP
107	W9RVG	W0TF	ON9CMR/W0	K7PAP	N5TEY
JA3EGE	WA4MYO	W3LEO	VA2LGQ	K9ZZE	N8AID
K5UIC		W6IT	W4LLP	KA0ZEE	NO5X
KF7PG	104	W6XU	W5KBD	KC2IEB	NO8R
KI9A	AB9YC		W7ISG	KC6X	VA3VF
KK4LUM	AC5K	102	WA4HFN	KD4MWO	W2KRP
N3TTT	AC5RN	AA9MY	WB8IMY	KD6RUH	W6TE
N9OI	AC9QR	AB8JH	WD5IYT	KG9AP	WA2FGK
NF0T	IK4DRY	AD6KH		KR4UA	WA3TLT
US0KW	K5PPP	K0HAQ	100	M5MYH	WB1GQR
W2TTT	KB9RNO	K3HW	AC0FT	N4FV	WB2YDS
WB4PPW	KC1LXO	K9AM	AI2S	N5OHL	WD0E
	KC2TR	K9OHI	AI9U	N7HRT	WH6LR
106	KD9GKL	KA3ZLS	K2UA	N7JPF	WT5H
K0MEI	KJ7OG	KB8CR	K4UQC	N7TE	WV5Y
K5BJW	KM6WXB	KC6WFS	K5GM	N8GHZ	
K7BWH	KO4LZ	KC8DMN	K5KV	N8YV	97
K7JE	N0STP	KD8NYO	K8IJ	N9MKC	AB8M
KB0TIJ	N1LDY	KE1AU	K9CC	NB5R	AJ9C
KC7ICM	N2FBQ	KJ4M	KB9ZLB	NH6CJ	K0HB
KE5JXC	N3UPS	KR5V	KC2HLI	NI5W	K0JQZ
KJ6MBW	N7AGF	N1HOQ	KC8CC	NS2P	K0QEI
KK2DOG	NJ1H	VE7ZD	KC9CMT	VE2HAY	K0SH
N0RQ	VE2PIJ	W4RVZ	KD3SW	W2HOG	K0YQ
N1USB	W1TE	W5DPT	KE5CVM	W2VU	K3HZO (FN20)
N2IPH	W1ZE	W5OV	KF0Q	W5JLC	K4GTR
N4CE	W4KVS	W7UT	KG5X	W6TJU	K4JQU
N5FPW	W6ZQ	W9NFL	KJ5OA	WA1LAD	K8XF
N5YHF	W9EBK	WA8EQP	N3TBB	WA5TRX	KA2BSK
N8HM	W9MDB	WB5FDP	N4NIA	WB5NHX	KA7EII
N9XMU	WB2VUO		N5RZK	WB7VVD	KC0YBM
VA3OKG	WB8BZK/VE3	101	N5XTR	WK5X	KD5CKP
VE3AJY	WL7OU	AE7V	N7EME	WW2R (EL09)	KF4KSN
WB6VYH		K0IN	N8COP		KM4NYI
WQ9F	103	K0SBV	N8XS	98	KT5WB
	AA5CK	K0WJ	VP2MRM	AC2RL	N1VMJ
105	AB0YM	K2NUD	W2CH	AD8Y	N3UMA
AC4Q	AB5SS	K5DWI	W4/KL7GLL	K0KC	N4BH

N6MA	W1HMM	94	WA7LHZ	W9WI	KC8LGL
N9APK	W3VHF	AA4RP	WA9BXB	WA5ICA	KE1IU
N9IO	W4KK	AB4VT	WT9U	WB5CON	KE7RTB
N9KY	W4TMR	AD1DX	WV7S		KG4QWC
NK7C	W7JHS	AK8CW		92	KI3O
NU0Y	W8DM	HK4SAN	93	K1EY	KI5BLU
VA3FIN	WA3EEC	IK8YTA	AG2A	K5GDX	KM7N
W3QT	WB0M	K0ARM	AG6CV	K5TDA	KM9I
W4CWA	WB5KJE	K3BEE	AI8F	K7FU	KQ6K
W4DAS	WP4LNY	K3TUF	K0IW	K7HKR	N3PPH
W4ID		K4JRK	K1PTF	K7UWR	N3WCM
W7DN	95	K4LDC	K1ZK	KB0PQP	N6DW
WA6OSX	AB9AI	K4NNX	K2AK	KC4JNW	N7CZ
WA9LEY	AE0G	K8GT	K2MTS	KD4QMY	N8DEZ
WB8RVK	AE5EO	K9DOG	K4DAM	KE4WBO	NR4J
WB8ZTV	K1PNQ	K9SUL	K5TRI	KG4URP	NU4N
WB9PNU	K4ED	KA2F	K6RM	KR7X	OE9KFV
WE8L	K8KFJ	KA9UVY	K7IP	N2SG	VA2BBW
	K8ME	KB7AK	K7TRK	N3GH	W2SUB
96	K8VD	KC0AUY	KB0USF	N4VN	W4MLN
AD5OW	KD7WH	KC3AK	KC5TGT	N5QO	W5KDA
AE4TQ	KD8DR	KD4VRZ	KC5TT	N6FD	WB0NRV
AK4F	KD9ZR	KE3WM	KC9TTR	N6RPM	WB7X
HB9EFK	KF6XA	KF0LA	KC9UL	N7DED	WC4V
K2CK	KI0SK	KG4NLZ	KD0QG	NS6E	XE1GZU
K2UF	KW9U	KU4JZ	KE6AZX	UT5JAJ	
K2UNK	N1XK	KV3W	KE6UMW	W1PV	90
K4EQH	N2SLO	N0LNE	KE8RPJ	W2ACY	AA0LM
K5CRJ	N2WLS	N0LP	KI0J	W2CVW	AB4WL
K8EMR	N3WAV	N1TOR	KK7MNC	W3ACO	AB9DU
K9OT	N4ET	N2SU	N2BX	W3HZU	AF5BG
KA2NDX	N5BLY	N3JBH	N2YTF	W4BP	DL1SMA
KA3HED	N5ENU	N3XBG	N3AO	W4LIA	JH4JNG
KB5GI	N5KI	N3YUG	N3ZBK	W6NS	K1HC
KB8PNS	N9IV	N5ZMP	N4GOA	W8JV	K1KA
KC0HBP	N9LJX	N6HY	N4YHC	WA3JKB	K3CWF
KD6PY	VA3KS	N6MXU	N7EGY	WA4EEZ	K3UAL
KI5TE	VA3PZ	N7NH	N7JI	WM3O	K4AAP
KM2O	VE3KZ	N7UN	N7KSI		K4FTP
KM5NU	VE3SPW	N8WWM	NA9D	91	K4XZ
KR4EE	W4YZJ	N9DD	VA7QI	AA0CW	K8EAB
KS4V	W5ADA	N9UNX	VE3WMD	AD3Y	KA5TJI
KT5RR	W5CBF	VA3MA	W0MHK	CO2WZ	KB5FHK
N0WVU	W5RCQ	VE3RX	W2VTV	K1UR	KB7BSA
N2LID	W7JWC	VE5MX	W3ZGD	K4SPA	KK4DZP
N2VHZ	W9SX	VE7AB	W4GPM	K6YK	KW3DX
N2XK	WA2ONK	W2GR	W4VG	K7HPN	N2ULL
N8PAQ	WA3I	W3IPA	W5DMT	K8OI	N4BRF
N8YBY	WA4WR	W3TA	W5DWA	KB2YWU	N5BA
NT2A	WB2SIH	W4LNG	W7EIR	KB3IAI	N9JJ
NW5Q	WD8DOT	W5ODD	W7TRX	KB3NDS	VA3XOV
NY2Z	WS4S	W5PUF	W9IFW	KB7AZ	W9CPV
VE2DCP	XE2AT	W7NX	W9NED	KC5POV	W9CSY

W9HBH	K1RS	NN7RM	84	N7NEV	K8QM
WA2BEV	K3TN	W8GOC	CT3FT	NI4Y	N5GH
WA8OJR	K4XD	WB3IGR	K4EZY	W3MC	NP3YL
WD9HCF	K7CTV	WB8JAY	KE6NDG	WA4ZXV	W4LVH
WE7H	K7WV	WF4W	N1KI	WA8ZNC	W5UC
WEST SEATTLE WZTV	WZTV	XE1RBV	N2NWS	XE1EE	WP4NEG
WH6LE	K9JF		VE2WBK		ZL3AAU
WT4C	KB2KIR	86	W8PU	80	
XE3/K5ENS	KC1GWX	AG1T	W8SGR	AC6BW	74
	KC3MLC	K7FB	ZS6NK	K7FR	AK8B
89	KE8UM	KA9OKH		KE4PT	CX4AAJ
AB1TZ	KI2D	KB7JJG	83	KR4Q	KF2TI
AG2AA	KI4RFM	KI6HQT	AA6E	KW1DX	LU4FPZ
AG7NR	KJ4KW	KN4MMH	AC9GK	N2NS	VE6SO
G4NBS	N0OK	KP4TB	DL5XJ	VY2HF	VK4CZ
JQ1TIV	N1CEO	KT1R	K1LH	W5TTY	WC6DX
K4BMM	N2MKT	N2NF	K4SQC	W6TCP	
K5CX	N2ZN	N3MVF	K6JJ	W7AM	73
K5JAZ	N4CAG	N8TFD	K8SIA		G4FKA
KA0MWA	N4GN	NZ3O	KB3HHA	79	JF1IRW
KF4TVL	N4KIN	VA3MDB	KB9LIE	K4RW	SV1RK
KI0G	N4UC	VA7LM	KC1UYZ	K5JBT	VP2MJD
KI4FW	N5VBK	VE7IRU	KK7BV	KB4DSL	W4WT
KI4US	NS3X	W8IW	KU4WW	KP4N	
KR4U	NT4TN	WA1PMA	N6KTH	N2COP	72
KT3X	VE2VLJ	WB4GCS	SV2AEL	N5YJZ	N4II
N2GZ	W2BZR	XE2AU	TG9AKH	N9RC	PV8ADI
N5KAE	W3YX		W7USB	VE3CFK	
N8YSZ	W4DL	85	WD6T	W2GW	71
N9RG	W4RXR	EI3IO	WD9IOK	W2SKI	K0GW
N9UDX	W7HDD	K1UU	WI6Z	WN0L	K4GK
NE2U	WA2BTR	K4LRP	XE1MM		K5WPN
VE3VCF	WA5MD	KB3MXK		78	NP4TT
W0HRO	WK3N	KC0V	82	K2QPN	W2YR
W1HY	WV8O	KE4DRF	AD4IE	TG9AWS	W3FGP
W2JEK	XE1SOV	KK4AND	CB0ZA	W4NE	WC5M
W2OK		N2RJ	K3RJK		
W4ZMM	87	N4LS	K4JMX	77	70
W6VNQ	AC0A	NJ1Q	KA5WSS	K1IFJ	GI4SJQ
W9HT	AG4I	VE3GFN	KC5YKX	MI0AYR	K4BNC
WA7SDI	K4JC	VE7DAY	KG4KVZ		KC0ZRX
WB3IAL	K5UZ	W1WV	N1SF	76	N6GEO
WM6Y	K5WO	W3STU	PU8TEP	K0WYN	W2QO
WQ5C	K6UIP	W4IT	W5DAS	K6MAA	W4GP
WR5AY	KB1VUN	W4RA	W7YOZ	KI4CYB	
XE2NL	KC8NAH	W6ST	W8GG	KI7WXP	69
XE3DX	KE6WOX	W7SIR	WA2ONG	N1GNB	K3WGR
	KI6RRD	W8DQ		N2MH/4	W1YM
88	N0ELA	W9QY	81		WD4LBR
AA4QE	N2CJN	WA4WKL	AB4I	75	
AE0DX	NA5DX	WD4LSS	DF3CB	G4RGK	68
AE4OF	NE5S	WF4R	KE4DZU	K3PP	AA4S
AF4MI	NI5F		N6MM	K6VHF/HR9	EH7CD

K6CF KJ7TEA KW4OV	57 IK1ZOF JL1UXH N5LJL WD5GRW	44 WO3T XE2YWH/1	32 DM2RM N3LRH SM6WET ZL3TE	22 9H1SP IZ3ENH OE3SGU	14 EA8MT HB9FMN JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY
67 JG2TSL W7YED	56 KI5WA LU8ADX NI6T	43 8P6SH CT1EEN HB9RUZ K4ZIN	31 K7TM	21 EA1YN	
66 K6KLY KK4YEL	55 JL3MCM LA3MHA WA2EMF	41 N6PAZ	30 E72X JL3LSF JO7WXN LA6OP WA6DNR	20 CX1FK HL4CJG I1FQH JM1KVV N1WC PY5EW W8LR YL3HA	13 JE2UFF K4WY PY2MC W4PWF
65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	54 AG4KI	40 E75AA JF1LMB JR0QFA OH4UI WB8TGY	29 HL2WA OE4VIE SP5APW	19 DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB
64 K3BQ WD5GRW (EM13QC)	53 K0BBC PP1CZ	39 AA5PK YL2JZ	28 CT8/K0RUI JA6CRP K0FMI OH3DP		
63 EA1DR KB0RFY	51 CT1ETE N8OFS VE9FCP	38 DD3KF DU1EV K8YSE VK5PJ	27 E70A KC9ELU WP4NIX		11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ PY2DV PY2GM SP5XMU
62 HB9ALO HL2EIZ IZ8EDJ K4DXA N6ZDH SP5QWB	49 N8MR	37 BA7NQ HA5PT JA9APS JH9DRL	26 WB7QXU	18 AJ6V HL4GAV KJ4EU W0HBH	
61 CU3AN N0GVK US5WE UX1UA	48 G8BQX JA9KRO K0BBC/R KI5KC N6DBF NP3IR YY4DNN	36 JA1WSK	25 EA4/K1WE	17 G3LZQ PY2XAT W0JM	
60 IZ4DPV KP4JFR S55DX UR9QQ	47 HB9RYZ HL2IFR JE1VTZ	35 GI4OWA LU9DO UR5WA	24 EI2JD F1RAF F4BDG KS4YX ON6AB PA7TWO	16 N6VHF TI2CDA	10 DL4CF HB9BOS JI2UDK PA5KT SV2DCD TF3Y UR7DWW
58 HB9BIN KC6NBI SV8CS WA2MUA	46 LU2DX	34 G4SEU LA2QM	23 GM4ILS HB9G K4SLC KP4EIT	15 9K2BM EI2GLB HB9HIT LU5FF PY2RN SV8CKM UT3UA WC2C	9 DL7BA EB1EWE EC7ZK G6BFP

IK3ITB	YL2CZ	ES8JX	JL2ULM
JA1MZL		F5TMJ	JN3ONX
JA2FGL	4	G0THY	KC3KJQ
JE1LFX	CT7/RC2A	G4DDL	KG4JSZ
KD3UY	EK/RX3DPK	G8GNI	KH6WI
S51NM	F1DFR	GI4ONL	KP4DER
	IV3GOW	IK1IYU	MM0INH
8	JG1JPE	IK2GOQ	OK1UU
DK2LO	JH7IMX	IZ8XQC	ON6NA
JA1CPU	JH7IPR	JA6AVT	OZ1IKY
JE3PCP	JK6DXD	JA6SZV	PU5SVE
JJ2NWI	UT5EL	JA9FAI	SM3GBA
N8RO	VK4ZP	JH3MHI	SM6LPG
OH8LXT	XE1SAX	JP1HDK	SQ5NRY
		K4KZM	UN8G
7	3	K7LY	UR5EDX
DH0GSU	DF1ZN	KEN IN NEBRASKA	VA2VGM
G8APB	DJ5AV	LA2CQ	WB7VUF
HB9GWJ	DL2KQ	OH3KAV	YO8WW
IZ0INX	EA1AR	SV1XV	
JA2NDQ	EA4D	SV3FUO	
LA3DV	G3LHJ	YB2DX	
N5ORT	GM4CFS	YL2KF	
NJ4Y	GM4KHE		
UR5FEO	HA9PP	1	
ZS4TX	HL2ZN	3A2MW	
	IK0WRB	9A2EY	
6	IK8EPC	BD4UJ	
CT2FEY	IW3GJF	CT1AHU	
DL1TRK	J11CHH	DH8BQA	
DU0A	JM1GHT	DJ3ZF	
EI2JC	JN1BPM	DL2DCX	
JA7NGE	JR6IQI	DL4ZAB	
PY2VA	KC0Y	DS5TOS	
	PY5IP	EA3WD	
5	SA7CJO	EA4GQS	
DL5LH	SV1VN	F1VEV	
EA1AAA	W1CBY	G4VSS	
EA7ZY	WD9EWK (DM43)	G6MXL	
IK8GYS	YB1TJ	G7SQS	
J15USJ	YL2CA	G8TTI	
JJ1IDW	YL2MU	IK5BSC	
KB8VAO		IW0AFS	
M1VPN	2	IZ0BTB	
MU0GSY	5B4ALJ	IZ2CSX	
OK1IN	6K5XZE	IZ3DBA	
ON5UE	9A2GA	IZ5FSA	
PP2RON	9K2NO	JA1GZK	
SK6QA	BV6CC	JA7DPC	
VE2NGH	CO6CBF	JA7VXB	
VR2XMT	DF8FT	JH8XVT	
W1ZR	DK1CO	J11HNC	
W2ZF	EH4BPJ	JJ1PFC	