

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 (12 May 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	W0JW	WD5COV	478	465	455
AA0MZ	W0LGQ	XE2CQ	AD1C	XE2K	K9MK
AA5AM	W3CP		AE5B		WA9DU
AA5C	W4UDH	485		464	
AA7A	W5ADD	K9MU	477	AJ4F	453
A15I	W5AFY	N0POH	KC7V	KB9OWD	K4YMQ
K0GU	W5AJ	W5VY	N5KO		K7PI
K1TOL	W5EME	W5ZN	N7ZO	463	KB9DAK
K4PI	W5FF		NC6K	K4MY	
K4XO	W5KI	484		W5XC	452
K5RK	W5OZI	AD6D	474		N5BO
K5UR	W7GJ	K7BG	K7KQA	462	N9BX
K5WE	W7JW		W6XK	K6ZH	NE1B
K7CW	W7KNT	483		N6ORB	
K7ULS	W7MEM	AC0RA	473		451
K8SIX	W9FF	K1USA	N4TB	461	K5WBM
K9CT	W9JN	W0VTT	NQ7R	N4JQQ	KD3CQ
KA9CFD	W9RM	W5TRL	WB0O	NA9RB	
KA9FOX	W9XX	WB0ULX			450
KD5M	WD5K		472	460	KF8MY
KG5CCI	WQ5S	482	A11K	K4SO	
KM0A	WS9V	AF5CC	KB7ME	KF0M	449
KM0T		K0BJ	ND4X		KF6HI
KO9A	487	KX4R	WD8JJA	459	W8TN
KR7O	K0SIX		WE9R	N5NA	
KV5W	K1TO	481			448
N0LL	K7MAC	KC7QY	470	458	KP4AJ
N0LWF	K9YY	W9VHF	WO7R	K9NW	W3LPL
N0PB	N0AKC	WA7HQD		KG5THG	
N0TB	N7CW		468	N9BCA	447
N1AV	N7IR	480	VE3EK	NA6MG	AH0U
N3SL	N9ISN	K5GZR			K3SX
N3XX	NA6L	N4WW	467	457	KS7S
N5DG	W3IP	XE2OR	N5EKO	K4HB	N2NL
N5OMG			NY0V	N9PGG	N4SC
N6JV	486	479		NI0G	WB7CJO
N7NW	K0TPP	N5WS	466	W3UR	
N9LB	K5ND	W5WVO	KA0JGH		446
N9UM	KY7M	W9RN	KB6NAN	456	K1HTV
ND0B	N0KE		WB9CIF	N4QS	K6EID
W0FY	N7KA		WX7M	W5THT	

445 K4XP KU7Z N4LR N8OC WB8ZBT XE2X	433 W3LL W9WO	416 K4RWP K7ND KO4MA NI0P	405 AA4SC K3FRK K5CKS NE9U W0MU	393 K1GG K7XC KV7N	380 K7MCX NE6I WA5LFD
444 N7BAV	431 K0TLM	415 K5OMC K7AWB W0GJ	404 K8JH N2ZX VE4EAR W5SUM	392 AF4HX W6OMF	379 AB9BH N8WNA W6TMD
443 AB4IQ K8ZM N4MM	430 K1TEO	414 K0DEQ N0GZ W4TV	403 NH6T/W4	391 AD5A W4AVY	378 WR7X
442 AG9S N2QT N4TL	429 K8ZR WA5JCI	413 AE5FM WA9LFO	402 K3FM K7SMA	390 AB4SF KZZI	377 AB1OC NT9E WA1NLG
441 K8TB K9KLD WA1EAZ	428 K9APW	412 NZ3M VE2XK 6M FN07PJ	401 K4CKS	388 K0IP W4WRL	376 K8GI K8VVF N2WK N3OC
440 W2IRT	427 K4ZOT W0RH	411 N9EAT	400 W0JRP W3UUM	387 KV4T N4CH	375 K6QG WB4OQX
439 N4QWZ NM5U	426 N5OK W5JAY	410 KE7SW KE8KMX KI8G N4HN	398 N8IEZ W1NG	386 N7IJ NN4R W5TFW W7AH WE4S	374 K0TT KV7K N6GP N7DB NY1V
437 K5RT KK4MA N5TJ	425 K6ML	409 AA1ON N1EVK N5SYV	397 KE4TH	385 NK1K VE6MB W4WTA	373 K4SSO
436 N9FN W3TC WB8ART	424 N4UFP N9AKR W3EP WB8BPU	408 W7BA	396 K6VHF KB8U	384 K8ROK W7FI	372 JA7QVI
435 K5XI KF6A	423 AJ4A W4DR	407 W4AS W5CIA W5PR	395 AA5XE K0AZ KF7CQ WB4EVH	383 K10E W5MO	371 N3PS WA6BYA
434 K1SIX K8ROX VE3LYC	422 VE6WQ WB5JID	406 AK3E K6FG K8EB KB0V	394 AA5JF K2TER K6RO KT8O	382 K5PI VE3YXO	370 K5TN KN4SM KS4YT N3MK NT0V W4FC
	419 K7NN W0GN W5AL			381 AG4W W3VZ	
	417 NJ6D				

369 KF8UN N2DPF	357 K4LVV	343 AB4EJ K5EK N3RC N6KZ W2HRO	W9GKA WA7PDC	327 KJ5RC N0YO W2JU W7YA	VE3XN W1SKU W3HDH
368 K0DD W5RCI W6GMT	355 KD5XB	341 KD7DCR N8HRZ NX7U WA7YAZ	334 K0OOK K3TRM N4UFO (EM95) N9DR WB5TOI	326 K2ZD K6LMN K6TDI NG7M W7JLC WF7T	316 K3FN KA0ABA W4UCK W9BWR
367 AA4ZZ KC4HW KR4BD W7YAQ	353 AF2K K0CS	340 N0AN	333 AA4LR K0TC KM4HI N0IGZ W3GQ	325 WA2AEY WX0Z	315 K5VH NY2NY XE1AO
366 K17JA	352 KF9UG VE3DS W0KKK W1DYJ WA9PWP XE2ML	339 KE4BKL VA7FC W5VAS	332 AA7UN N4JDB N7KDT VA3IKE VE1JBC W9GM	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY	314 KU4XO
365 K4JJW K7XB KG7CW	351 AA4FL K5DTC	338 N9JR NA5Z VE3SXE W9XA WA5KBH	331 K1GJQ K8WDA KC0UDO N4MW W3TI	323 N8II W8KEN WO2T	313 N2ZZ N6NR N7UVH NF4A W4GLV W5RKN
364 AB5EB K0RAR N6QQ	350 N6VI N8YO	337 K8ZES NU6S W9EWZ WA5RT WW0E	330 KB8MBC KG6AY W8PI	322 N3ALN VA6SZ	312 AF6O KA2GOJ
363 W4NH	349 KA0BAD W8LMG	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S	329 AA1QD AA8SW N2JJ W2OR W8WG W9DCT WB4KTF WX4G	321 N0LD NC7B NS4C W9VA	311 AC9S KM3T KS4XQ W2BZY W5DB
362 W1JR WA5OLT	348 N1JFU NJ7G	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KM3V KN4NN W4ER	328 K6ME N5PT W2CNS WB3LHD	320 N4DW	310 K1ST N1NK W9KVR WO4DX
361 AC9DX K8BL K9NR N1KDO N8KOL NG4C	346 N9XG W8OP			319 KF2T N7US	309 AA9RR
360 AA4FF K6UM (CN85) W0NOZ	345 KB1EFS N0FJP VE7BV W3XY XE2YWH			318 W4HY	308 WA4HFN
358 K5RLA K6EME KG8P NK0S	344 K6FW KB0PE N8LRG W1OW			317 KA8SYV	307 AG1A KE5K W3ATV

W9RPM	298 K0MLD KD4WSC N4IQ	K4MM K9FA N5BCA N7RO NQ7G W4LTJ	NM5Z W1FKF	W3HHN W3SW	NF1O
306 K4QE KE8Y WB0OQV WV9L	297 JG1TSG KG5EIU N8YQX N9LF	288 K1NU W1DU W4HLR	279 N3JPU W0VHF (EL87) W8GJ XE1FAS	270 K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B	263 AK4PR K9AAA WB7QBS
305 K3VAT K6UM (CM88) KT1J WA9M	296 K4XR K6YUI KC7RW	287 K8DP KC7MRQ N8CGY WA4NVM	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N	269 K2IE K3ZO KD5R N5EPA N5WD VA2CY	262 K3CWH K5VR KD8JSP N4ST ND4DX WA0KBZ
304 K6IPF NS4T WA0GUD	295 KE4P N6AR N7NT XE1YY	285 AB0S K5CZD K9UO KK0DX	277 AC7JM K5KEW PV8DX	268 K6OJ K10HA N9ZTS W0KAN WB9PNU	261 AF2F K3TWK KB8UUZ N3EW W6TCP
303 EA8DBM K8TGC K8TL N7LAN	294 K2UU K6JSV W7IMC	284 AB0RX K0KP K4DET KX7L NJ2F (EL96)	276 HC1BI K2CS K5TWJ K7TAB W9OO	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	260 K6JAD N6HC NT7C XE1YD
302 KB2TGU N3KN	293 K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	283 N5OHL WA0FQK WB0CQO	275 K1MAA K2NJ N4GG W0FK	266 K10A K1WVX TG9AJR VE3MSC VE6TA (DO33) WB8EJN	259 K1BD KD4ADC KG6I KN5O NS7K NY1E VE6BMX W9TA WA4YA
301 N0HJZ W7IB W9OBG WA8ZID WB0TVY	292 KJ6P W1SSN	282 AA0ZP K0PG K5TA N8JCM W4WM	274 KB1DMX WA8MCD	265 N5KS W7CT	258 AB5GU K1NJ K2HAT NA2NY WB7ECS
300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH WX2S	291 K0CAO KS4S W1WHL W2CCC	281 AA8MA JR1LZK K4OY NL7CO W2YE	273 KM4H KV1J VE6SH	264 AC8L K4JAF N0TK	257 K0CCM K2KA K5QE KD4MYE N5DTT
299 DK8NE VE6WK W1LE W8UV WB5GVY	290 JE1BMJ WA8EFK	280 AD7OV N0KV	272 KF8QL KO4PRE N4SV		
	289 K2BLA		271 K7NII KB7FUV		

PY2XB W0PPA WA2HF1/0	N1GC N5SMQ	W1VT WA2VJL	231 AI9L K4MIJ K6HEW KF6GYM W9XT	W8AKS WN6W	216 K7RB N0IS N6PM NE1F W1AW W5RWF
256 JM1IGJ KL7NW N8ZJN	248 K1ZZ W6VFA	239 K9MQ KF4LVF MD0CCE W6RW W9YOY/M	230 K1ZE KO4MM VA3XJ WB0WAO/8	224 JA8ISU NJ8J	223 K7UA NJ7A
255 K8MVZ KG4JPL NI3K W4HFZ WA8KNE	247 JA1UAV N5DD W3TEF	238 AA3GM JP1LRT	229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX W5LUA	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	215 AL7OC K2SX KI5FJ N2YU N6KW
254 N7QOZ NR0Q VE3OTL WD5ITW	246 K0DAS K8YC KK8X N5TIT W4FRA WI7P	237 K3KO	228 JM1SZY K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	214 KB9PJL KC7OD VE3SYK WA7AJ
253 KG4ERR N2XQM	245 N1IA N3XF VA3CW	236 K0SU K4NK N3FTI N9ATD W5AJX	227 K3HPA K8ZT K9TF KS9A W4KXY XE1GLL	220 K7BTW KK8MM N7XCZ	213 K3DFL KI6X W0NBC
252 AB5A CT1EEB F4BKV K1ACL K3NK N9ATF NN4RR VE6NTT	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W	226 AF5WN GD0TEP N7CNH N8UR NM5S W0VX W8RD WQ6Q	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	212 AB5C JF8QNF JR3REX KF7NN N1SV N2OA
251 AD5JK K9QJ KG7NV NN4SS W2LV	243 JA1QJI K3TC W4EJ YV1DIG	234 KE6FCT	225 AC9O KX9X (EN50) N2WSY PV8AZ	218 K1XH K4IJQ K5HPT KB8KVJ KC0VDY NA5C	211 K9FOH NE8S VE3SMA W2ZDP W5HNC W6AER W6KAP
250 AA9LC KL0S NW6R	242 AE4WG K3WW KA3TCC	233 K1AFC N5PA N9NJS VE7VZ W3DF W8PAT W9TD XE1L	225 AC9O KX9X (EN50) N2WSY PV8AZ	217 ND4V W4DEE	210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T
249 CT1IUA K7LOL K8AO KQ5U	241 N6NU W5LO	232 IT9IPQ K5FO N9NJY WA2OTC			209 AA4IB
	240 KK4ZUU KO6LU VA3HP				

W5WGF WA4NFO XE2N	WC7X WF8Z WQ5W	JA7MSQ K2WJ K6VDP KG6WIK	KD4HLG W4AZR WA7VHF WU9Q WX9M	K4CMS K5HDE KB8YKR N3XJX N4DTF N9MSG NY0A W4RBO W9BS WJ1B	EA5BY K0DI KX9X N5QGH N9ARX NP4BM W5AFD WA5IPS WW2R
208 AI2N CO8DM KD5HIO PV8ABC	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ	194 K2MRK K3EA N3FA N9NFT WF1H WK8A	187 AA8R KQ0J	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 PV8BR
207 N1BCL N8NJA		193 K7PT K9AB KD2NF	186 DJ5FI K6ZZ K8PT K9SG KN7K N0XLR N6ZE		174 K3MD K6WRL KC0IYT KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI
206 AB0CT AK4Y CT3MD K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	200 4A2MAX K4YJ LU4FW N5AO N9AG VA3VU	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT XE1R	179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	
205 AF4OD K8SD KE4HOA N5ITO W8QID	198 AC8TO JR2HCB N0UK N7EPD NX0I W8DM WA7KYM	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 4O3A AF5Q K0DEW KR4M N1IBM N4BG		173 K2ZZ K5YPV KE4SCY
204 K00Z LU2DX WA3DRC				178 KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC
203 K0VSV K5HYT K5LOW N0HF N8SYF W1RM W3SZ W9GFB W9VOB WA1KPD	196 K0AIZ K0NR KD3HN N5DUW W2AMR XE2ED XE2W	190 K5DB K5ER KC2DLD KN4PPD N9UA W1ATV W2OO WB0DBS	183 K5RQ N0UBL W2UDT		171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX W6IA WA2KBZ
202 K1BZ K5GJR	195 AA4W	189 KC0MEA WA5VKS	182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I W9JJ XE1CL	177 AG4ZE K2QQ KI4BWW NY4I SM7FJE W5ZG WA8UEG	170 K9TVG N4GBK
		188 AD7KI	181 AB9FN	176 AD5ZA	

N8CN	WK7G	156	150	144	NJ0U
NA2U	WQ7F	K2KJ	KW4BY	K0TLG	VA3FLF
W1MJC		K9OHI	N9LAH	K5TDW	VE3KY
W4IHI	163	N3RN	VE3OAT	K6JRA	W4GPM
W4JKC	K2JF	N9KO	W7APM	K8MN	W4TUN
WK3V	K2YSY	VE7VDX		K8WU	W6DQ
	N5XZ		149	N9DI	WA4KXY
169		155	AB6CF	W5MPC	
K6XC	162	AE4M	K4SAN	WO7GI	139
KD5OMJ	AF4GK	CT1BWU	KK9H	YV4NN	IZ8FFA
N2BEG	K0QB	K3TD	W3UA		KC7JPC
N5XES	KA1R	K6XN	WB4VHF	143	KU0G
N7PHY	KD4TDI	N5RMS		K6JBH	N7T
VE3HHT	N5SIX	N7AU	148	K9QFR	NA2AA
W8KNO	W9JJB	N9OBE	AC0DQ	KB8RJS	NZ6N
	W9VS	TG9ANF	AG0A	N8URE (FM19)	W4OV
168	WA1Z	VA3NQ	K0RU	NA1VT	WB2JIL
KG5ZMQ	WB0WAO	WV8DX	K7IU	W0HNM	WY0V
KS9J			KB2YSI	W0UHL	
W2PD	161	154	N0TM	WB0MMC	138
W8WEJ	K0KVR	AE4NT	N1TOR	WM5H	AC0XY
	K4EA	KB9VMW	N5ZBI		AI6O
167	KB3CWQ	KW4OV	PV8AJ	142	KD7WPJ
K4MQG	KK9M	W3ZQN	W6VNQ (CM88)	N2ZA	KE0A
KB1YNT	N2YBB		WB6RAB	NA2X	KE3D
KB9REV	V44KAI	153		NC4VA	KE8RO
KE5EP	VE3LC	AA4NC	147	W5SWV	KQ4KX
N0NHW	W4HOG	AB4GG	AF6AV	WA5TKU	N3XH
NO0T	WA1LAD	K7AD	IZ1LBG	WS4V	
TG9ADQ		K7ZD	K6PSP		137
W1BAT	160	N1OFZ	KC1BUF	141	N1SZ
	AB1QB	N2ADV	VE3CX	JA6RJK	N5JGK
166	JA1AFR	N2WM	W4YCC	K4AR	SM7AED
I0WTD	K5IQ	N6DHZ	W5WOX	K9ATX	
JA1OVD		W3DQS	WA0VPJ	KT8TD	136
KC2GHT	159	W5FI	WA3YGQ	N9FIV	K0XXX
N5VU	G0OIL	W9ILY		NV4B	K4SX
NC4RY	K4MZ	WB5ZAM	146	W4FS	KC5LK
VA3WEB	NS7B		K2GW	W4POT	KC9AXZ
WB4KXS	W1EME	152	K8YTO	W6ZI	KJ5RM
	W4TTO	AA6I	KB0YH	WB9WHQ	KV1E
165	WB8NUT	N0RC	KB5ZEA	WR7AY	NO1R
K4DXT		N1NUM	KC2TN		W2JCN
KD5HPT	158	NU1T	KM5TY	140	W4AVV
N3FX	K8CR	UT7QF	N4HID	AC5DK	W7UV
W0RIC	KI0D	WO4G	VA2RC	BA4SI	XE2JS
	N2CG		VE1VOX	CO2WF	
164		151		K7SAM	135
K2SD	157	OE6IMD	145	KC0MEZ	CU3EQ
K5VWW	K4FX	W1ZT	KD7YZ	KC8TMU	K4MWB
KD0UHN	KB8GC	W2DXE	V31MD	KJ4KVC	K8ZIZ
KF9US	KC2WUF		VA3TTX	N1EN	LY3W
W4CSW	WA7NB		WA4JA	N3VOP	N4DB

N8XE	K4JKB	N7DGI	KB4UF	118	KG9Z
W6BXQ	K8LG	WB4HUC	KB5WFE	J68AS	NF8M
WB8BZK	KC4NX	YL2AO	KC5UGX	K4AZV	VE1WOW
WW2DX	NG9R		N5HYV	KA4LBD	VE3IRR
XE1H	NO8D	125	VE6PY	KF6MXK	W2JLK
	VE1DX	AA7DK	VE7JAC	KI7BP	W2ZQ
134	VE2TZT	K3PU	WD0GTY	KT8X	W4ALF
AB1NS	W0PHX	KC5DRI		N1QDQ	W4UFO
AB4GE	W2LES	W2AJM	121	N3JNX	WO2C
AD4TT	W3FEY	W3UQH	AE1P	N5EIL	WX4US
C6ABB	WA2SEI	W4DFU	K0MFI	W2AC / WB2ABK	
GM4UYE	WB4YDL	WA6POZ	K4HBI	W2AC/WB2ABK 113	
KE5FXE	WW5W	WB4OMM	K6USY	WB2KSK	AB4PM
KF6UFO		WE1P	KB2WAL		AD5MD
N3AIU (DN70)	129		KB5MH	117	HB9BZA
N8GOU	8P6ET	124	KE4JFS	AB5J	K3DQB
W4TKI	JF4VZT	K0DLW	NE0P/9	K4WS	KD4BPZ
WA3WZR	K0KD	KB0HH (EM06)	UR0MC	N4USG	KD6VCD
	K5QWO	KD5FTD	W8DN	N5JEH*	KM5OL
133	KC8KSK	KM1C	WB9TFH	N5LPT	N3JDQ
KA5ETS	KF4NEF	KT5MR		NA7L	N4YCI
KC1RET	KM5LY	N0SL	120	NU6V	N5YK
KE1VT	KM5SC	N9AZZ	EA1YO	W6WE	W0BM
KM8V	N9WBR	PV8AAS	K2CYE	WA1TBV	W8MSP
W0RT		W0PE	K4AU	XE2PXN	W8VW
W4GE	128	W1TAM	K4CGY		WD0ENC
WI5D	JR2LJO	W6SCQ	KD0R	116	
WW7Q	KC7QAG	W7YM	KD4MZM	IK7EOT	112
XE2O	KJ6SDF	W9CDL	KD5BRF	K4RGN	EA4DEI
	KN4DMN	WL7OU	KE4SCY (FM06)	KI6QDH	K2MLS
	N1SFE		N3YPJ	KU5B	K3GD
132	W0WT	123	VE1JC	N0VR	K5WTA
AB3CV	W5ZO	AC7AF	VE3XK	NO0B	KA7T
IC8TEM	W8FR	K9SM	WA6RAY	W0DHB	N5HMH
K5VG	WB2WEO	KB0GT	WD4OHD		W1TR
KW4G		KB0STN		115	W5DQ
N4PPH	127	KG6DHQ	119	K9AAN	W6OAT
N7TP	AA9RK	VE3TG	AE5AU	K9MMS	W7IV
N8IK	K3GYK	W1HS	K0AWU	KE6TVM	W9PN
NE1I	K7UV	W3DIY	K1ZN	KF0QS	WA8TWM
VE3TM	K8AC	W3SE	K2SQS	KF9AF	WG3K
WN6K	K8OS	W4PRZ	K4MSG	KM5FA	WX3P
	KB3OZC	W5EWF	K7JIZ	N7VGO	XE1GK
131	KB9TLV	W7MHW	KF7PCL	UW5ZM	
JR1BAS	KC0RQH	W8BI	KP3V	VK9DX	111
K3NAT	N6UTC	W8KHP	KT0P	WA3BZT	N0SLT
KG9R	VE2JWH	WA8WV	KW7N	WC7V	PC3T
N2CJ	W1FLD	WB2RVX	N4UPX		W8GBH
TF3JB	WA6BIL		W0QC	114	WZ8P
		122	W4SW	AC8HU	
130	126	K7AED	W7QQ	K2RET	110
AB0X	KJ7G	K7OGW	WI4T	K3RTU	G4BWP
JA3LZS	N0BDS	KA9JAC	WM9M	KC4GCK	K5KR
K0GUR					

K7LD	KK4LUM	AC5K	102	W7ISG	KD4MWO
KD5J	N3TTT	AC5RN	AA9MY	WB8IMY	KD6RUH
KI0F	N9OI	AC9QR	AB8JH	WD5IYT	KG9AP
KP4JRS	NF0T	IK4DRY	AD6KH		KR4UA
KQ4LA	US0KW	K5PPP	HB9EFK	100	M5MYH
KX5U	W2TTT	KB9RNO	K0HAQ	AC0FT	N4FV
N5TIF	WB4PPW	KC1LXO	K3HW	AI2S	N7HRT
N5YM		KC2TR	K9AM	AI9U	N7JPF
W7JET	106	KD9GKL	KA3ZLS	K2UA	N7TE
W7UP	K0MEI	KJ7OG	KB8CR	K4UQC	N8GHZ
	K5BJW	KM6WXB	KC6WFS	K5GM	N8YV
109	K7BWH	KO4LZ	KC8DMN	K5KV	N9MKC
AK6ZZ	K7JE	N0STP	KD8NYO	K8IJ	NB5R
IW1ARB	KB0TIJ	N1LDY	KE1AU	K9CC	NH6CJ
K2DSW	KC7ICM	N2FBQ	KJ4M	KB9ZLB	NI5W
K2JGL	KE5JXC	N3UPS	KR5V	KC2HLI	NS2P
K2OO	KJ6MBW	N7AGF	N1HOQ	KC8CC	VE2HAY
K5DNL	KK2DOG	NJ1H	VE7ZD	KC9CMT	W2HOG
K9GY	N0RQ	VE2PIJ	W4RVZ	KD3SW	W2VU
KE6GLA	N1USB	W1TE	W5DPT	KE5CVM	W5JLC
KJ6CA	N2IPH	W1ZE	W5OV	KF0Q	W6TJU
KZ7N	N4CE	W4KVS	W7UT	KG5X	WA5TRX
N8TMW	N5FPW	W6ZQ	W9NFL	KJ5OA	WB5NHX
N9TTX	N5YHF	W9EBK	WA4IOB	N3TBB	WB7VVD
VE3AAQ	N8HM	W9MDB	WA8EQP	N4NIA	WK5X
W0YJT	N9XMU	WB2VUO	WB5FDP	N5RZK	WW2R (EL09)
W1OP	VA3OKG	WB8BZK/VE3		N5XTR	
W4ZRZ	VE3AJY		101	N7EME	98
W5MPC/1	WB6VYH	103	AE7V	N8COP	AC2RL
W7RJR	WQ9F	AA5CK	K0IN	N8XS	AD8Y
WB6YIY		AB0YM	K0SBV	VP2MRM	K0KC
WB9W	105	AB5SS	K0WJ	W2CH	K0UD
	AC4Q	K2OY	K2NUD	W4/KL7GLL	K3IXD
108	DS4EOI	K4MVL	K5DWI	W4OZK	K3QIA
CF3VRQ	K4SJA	K8ZEE	K5HX	W8BZY	K4OP
JA9IPF	K9MAL	KA1W	K7SYS	W9DQ	K5HOB
JP7EIP	KB3JGS	KB0FHP	KB1JDX	WA5TLP	KA1EKR
K5OPB	KC0JYT	KB2SGX	KB4KBS	WV9E	KE4LGL
N3MWQ	KC4KK	KC9FFV	KC6AWX		KG4YOU
VE3SUB	KF4DGS	KF0AIJ	KC8CSD	99	KG7E
VE7IG	KJ7TH	KF4DVG	KG8WB	AB0SD	KJ2G
VY2RU	N4NQY	KR4NO	KG9IL	AB3TM	KK0CQ
W4AMP	N5SAN	N0YXE	KL2R	K0YO	KY0Q
W4CRN	N7YY	N1JIF	KR4WM	K4KEW	N0JJQ
W5AAJ	NE9O	NF6P	KR7LD	K4WQ	N1JHJ
W8EH	PU4JOE	NN2D	N1IX	K4ZO	N3LRP
W9VNE	VE3VRQ	VE7DXG	N4AOE	K5VPQ	N5TEY
	W8MIL	W0TF	N8VEA	K7DD	N8AID
107	W9RVG	W3LEO	N9DVS	K7PAP	NO5X
JA3EGE	WA4MYO	W6IT	ON9CMR/W0	K9ZZE	NO8R
K5UIC		W6XU	VA2LGQ	KA0ZEE	VA3VF
KF7PG	104	XE1RBV	W4LLP	KC2IEB	VE4XTZ
KI9A	AB9YC		W5KBD	KC6X	W2KRP

W6TE	AE4TQ	KD8DR	KC3AK	KC5TT	N4VN
WA2FGK	AK4F	KD9ZR	KD4VRZ	KC9TTR	N5QO
WA3TLT	K2CK	KF6XA	KE3WM	KC9UL	N6FD
WB1GQR	K2UF	KI0SK	KF0LA	KD0QG	N6RPM
WB2YDS	K2UNK	KW9U	KG4NLZ	KE6AZX	N7DED
WD0E	K4EQH	N1XK	KU4JZ	KE6UMW	NS6E
WH6LR	K5CRJ	N2SLO	KV3W	KE8RPJ	UT5JAJ
WT5H	K8EMR	N2WLS	N0LNE	KE9V	W1PV
WV5Y	K9OT	N3WAV	N0LP	KI0J	W2ACY
	KA2NDX	N4ET	N2SU	KK7MNC	W2CVW
97	KA3HED	N5BLY	N3JBH	N2BX	W3ACO
AB8M	KB5GI	N5ENU	N3XBG	N2YTF	W3HZU
AJ9C	KB8PNS	N5KI	N3YUG	N3AO	W4BP
K0HB	KC0HBP	N9IV	N5ZMP	N3ZBK	W4LIA
K0JQZ	KD6PY	N9LJX	N6HY	N4GOA	W6NS
K0QEI	KI5TE	PY2KP	N6MXU	N4YHC	W8JV
K0SH	KM2O	VA3KS	N7NH	N7EGY	W9HBH
K0YQ	KM5NU	VA3PZ	N7UN	N7JI	WA3JKB
K3HZO (FN20)	KR4EE	VE3KZ	N8WWM	N7KSI	WA4EEZ
K4GTR	KS4V	VE3SPW	N9DD	NA9D	WM3O
K4JQU	KT5RR	W4YZJ	N9UNX	VA3JFF	
K8XF	N0WVU	W5ADA	VA3MA	VA7QI	91
KA2BSK	N2LID	W5CBF	VE3RX	VE3WMD	AA0CW
KA7EII	N2VHZ	W5RCQ	VE5MX	VK5PJ	AD3Y
KC0YBM	N2XK	W7JWC	VE7AB	W0MHK	CO2WZ
KD5CKP	N8PAQ	W9SX	W2GR	W2VTV	K1UR
KF4KSN	N8YBY	WA2ONK	W3IPA	W3ZGD	K4SPA
KM4NYI	NT2A	WA3I	W3TA	W4VG	K6YK
KT5WB	NW5Q	WA4WR	W4LNG	W5DMT	K7HPN
N1VMJ	NY2Z	WB2SIH	W5ODD	W5DWA	K8OI
N3UMA	VE2DCP	WD8DOT	W5PUF	W7EIR	KB2YWU
N4BH	W1HMM	WS4S	W7NX	W7TRX	KB3IAI
N6MA	W3VHF	XE2AT	WA7LHZ	W9IFW	KB3NDS
N9APK	W4KK		WA9BXB	W9NED	KB4YKC
N9IO	W4TMR	94	WT9U	W9WI	KB7AZ
N9KY	W7JHS	AA4RP	WV7S	WA5ICA	KC5POV
NK7C	WA3EEC	AB4VT		WB5CON	KC8LGL
NU0Y	WB0M	AD1DX	93		KE1IU
NV3K	WB5KJE	AK8CW	AG2A	92	KE7RTB
VA3FIN	WP4LNY	HK4SAN	AG6CV	K1EY	KG4QWC
W3QT		K0ARM	A18F	K5GDX	KI3O
W4CWA	95	K3BEE	K0IW	K5TDA	KI5BLU
W4DAS	AB9AI	K3TUF	K1PTF	K7FU	KM7N
W4ID	AE0G	K4JRK	K1ZK	K7HKR	KM9I
W7DN	AE5EO	K4LDC	K2AK	K7UWR	KQ6K
WA6OSX	IK8YTA	K4NNX	K2MTS	KB0PQP	N3PPH
WA9LEY	K1PNQ	K8GT	K4DAM	KC4JNW	N3WCM
WB8RVK	K4ED	K9DOG	K5TRI	KD4QMY	N6DW
WB8ZTV	K8BB	K9SUL	K6RM	KE4WBO	N7CZ
WE8L	K8KFJ	KA2F	K7IP	KG4URP	N8DEZ
	K8ME	KA9UVY	K7TRK	KR7X	NR4J
96	K8VD	KB7AK	KB0USF	N2SG	NU4N
AD5OW	KD7WH	KC0AUJ	KC5TGT	N3GH	OE9KFV

VA2BBW	K5JAZ	N2ZN	N8TFD	K6JJ	W5TTY
W2SUB	KA0MWA	N4CAG	NZ3O	K8SIA	W7AM
W4MLN	KF4TVL	N4GN	SV1RK	KB3HHA	
W5KDA	KI0G	N4KIN	VA3MDB	KB9LIE	79
WB0NRV	KI4FW	N4UC	VA7LM	KK7BV	K4RW
WB7X	KI4US	N5VBK	VE7IRU	KU4WW	K5JBT
WC4V	KR4U	NS3X	W8IW	N5PD	KB4DSL
XE1GZU	KT3X	NT4TN	WA1PMA	N6KTH	KP4N
	N2GZ	VE2VLJ	WB4GCS	SV2AEL	N2COP
90	N5KAE	W2BZR	XE2AU	TG9AKH	N5YJZ
AA0LM	N8YSZ	W3YX		W7USB	N9RC
AB4WL	N9RG	W4DL	85	WD6T	VE3CFK
AB9DU	N9UDX	W4R XR	AC9GK	WD9IOK	W2GW
AF5BG	NE2U	W7HDD	EI3IO	WI6Z	W2SKI
DL1SMA	VE3VCF	WA2BTR	K1UU	XE1MM	WN0L
JH4JNG	W0HRO	WA5MD	K4LRP		
K1HC	W1HY	WK3N	KB3MXK	82	78
K1KA	W2JEK	WV8O	KC0V	AD4IE	IZ8EDJ
K3CWF	W2OK	XE1SOV	KE4DRF	CB0ZA	K2QPN
K3UAL	W4ZMM		KK4AND	K3RJK	SP5QWB
K4AAP	W6V NQ	87	N2RJ	K4JMX	TG9AWS
K4FTP	W9HT	AC0A	N4LS	KA5WSS	W4NE
K4XZ	WA7SDI	AG4I	NJ1Q	KC5YKX	
K8EAB	WB3IAL	K4JC	VE3GFN	KG4KVZ	77
KA5TJI	WM6Y	K5UZ	VE7DAY	N1SF	K1IFJ
KB5FHK	WQ5C	K5WO	W1WV	PU8TEP	MI0AYR
KB7BSA	WR5AY	K6UIP	W3STU	W5DAS	
KK4DZP	XE2NL	KB1VUN	W4IT	W5DM	76
KW3DX	XE3DX	KC8NAH	W4RA	W7YOZ	K0WYN
N2ULL		KE6WOX	W6ST	W8GG	K6MAA
N4BRF	88	KI6RRD	W7SIR	WA2ONG	KI4CYB
N5BA	AA4QE	N0ELA	W8DQ		KI7WXP
N9JJ	AE0DX	N2CJN	W9QY	81	N1GNB
VA3XOV	AE4OF	NA5DX	WA4WKL	AB4I	N2MH/4
W9CPV	AF4MI	NE5S	WD4LSS	DF3CB	
W9CSY	K1RS	NI5F	WF4R	KE4DZU	75
WA2BEV	K3TN	NN7RM		N6MM	G4RGK
WA8OJR	K4XD	W8GOC	84	N7NEV	K3PP
WD9HCF	K7CTV	WB3IGR	CT3FT	NI4Y	K6VHF/HR9
WE7H	K7WV	WB8JAY	K4EZY	W3MC	K8QM
WEST SEATTLE	WZ1TEUR	WF4W	KE6NDG	WA4ZXV	N5GH
WH6LE	K9JF		N1KI	WA8ZNC	NP3YL
WT4C	KB2KIR	86	N2NWS	XE1EE	W4LVH
XE3/K5ENS	KC1GWX	AG1T	VE2WBK		W5UC
	KC3MLC	K7FB	W8PU	80	WP4NEG
89	KE8UM	KA9OKH	W8SGR	AC6BW	ZL3AAU
AB1TZ	KI2D	KB7JJG	ZS6NK	G4FKA	
AG2AA	KI4RFM	KI6HQT		K7FR	74
AG7NR	KJ4KW	KN4MMH	83	KE4PT	AK8B
G4NBS	KU4S	KP4TB	AA6E	KR4Q	CX4AAJ
JQ1TIV	N0OK	KT1R	DL5XJ	KW1DX	KF2TI
K4BMM	N1CEO	N2NF	K1LH	N2NS	LU4FPZ
K5CX	N2MKT	N3MVF	K4SQC	VY2HF	VE6SO

VK4CZ WC6DX	N7UJJ OK1MP W4CCS	54 AG4KI	JF1LMB JR0QFA WB8TGY	29 HL2WA OE4VIE SP5APW	19 DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)
73 JF1IRW VP2MJD W4WT	64 K3BQ WD5GRW (EM13QC)	53 K0BBC PP1CZ	39 AA5PK YL2JZ	28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V HL4GAV KJ4EU W0HBH
72 N4II PV8ADI	63 EA1DR HL2EIZ KB0RFY	51 CT1ETE N8OFS OH4UI VE9FCP	38 DD3KF DG7RO DU1EV K8YSE	27 E70A KC9ELU WP4NIX	17 G3LZQ PY2XAT SP5XMU W0JM
71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	62 HB9ALO K4DXA N6ZDH	50 N8MR	37 BA7NQ HL4CJG JA9APS JH9DRL	26 DS4AOW WB7QXU	16 N6VHF SV8CKM TI2CDA
70 GI4SJQ K4BNC KC0ZR N6GEO W2QO W4GP	61 CU3AN K4MLB N0GVK US5WE	48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA	36 JA1WSK	25 EA4/K1WE	15 9K2BM E12GLB HB9FMN HB9HIT JE2UFF LU5FF PY2RN UT3UA WC2C
69 K3WGR W1YM WD4LBR	60 HB9BIN IZ4DPV KP4JFR S55DX UR9QQ	47 HB9RYZ JE1VTZ	35 GI4OWA LU9DO UR5WA	24 E12JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY
68 AA4S EH7CD K6CF KJ7TEA	58 KC6NBI SV8CS WA2MUA	45 JA6WJL K4TXJ	34 G4SEU LA2QM	23 GM4ILS K4SLC WB8TGY (EN72)KP4EIT W8MK	13 K4WY PY2MC W4PWF
67 JG2TSL W7YED	57 IK1ZOF JL1UXH JL3MCM N5LJL WD5GRW	44 HB9RUZ WO3T XE2YWH/1	33 W8GC WB4SON WB8TGY (EN72)KP4EIT W8MK	22 9H1SP IZ3ENH OE3SGU	
66 K6KLY KK4YEL UX1UA	56 KI5WA LU8ADX NI6T	43 8P6SH CT1EEN K4ZIN	32 DM2RM N3LRH SM6WET ZL3TE	21 EA1YN	
65 JA1XEC K4IM K5EJ	55 LA3MHA WA2EMF	42 W0PR	31 K7TM	20 CX1FK I1FQH JM1KVV N1WC PY5EW W8LR	
		41 E75AA N6PAZ	30 E72X JL3LSF JO7WXN LA6OP WA6DNR		
		40 HA5PT			

12	7	XE1SAX	K7LY	SM6LPG
EA3GP	DH0GSU		KEN IN NEBRASKA	SM7EXY
F4ESV	G8APB	3	LA2CQ	SQ5NRY
HB9DDZ	IZ0INX	DF1ZN	OH3KAV	UN8G
IK2RPE	JA2NDQ	DJ5AV	SV1XV	UR5EDX
JK1UNZ	LA3DV	DL2KQ	SV3FUO	VR2VGM
JN1RQV	N5ORT	EA1AR	YB2DX	WB7VUF
N1IW	NJ4Y	EA4D	YL2KF	YO8WW
ZS6WB	UR5FEO	G3LHJ		
	ZS4TX	HA9PP	1	
11	6	HL2ZN	3A2MW	
A65BR	CT2FEY	IK0WRB	9A2EY	
DL2OE	DL1TRK	IK8EPC	AJ6T (EM66)	
EA4DAU	DU0A	JI1CHH	BD4UJ	
EA4ZK	EI2JC	JM1GHT	CT1AHU	
G4CTY	JA7NGE	JN1BPM	DH8BQA	
IZ4GWE	PY2VA	JR6IQI	DJ3ZF	
JA2KVB		KC0Y	DL2DCX	
JA6QHJ	5	PY5IP	DL4ZAB	
PY2DV	DL5LH	SA7CJO	DS5DNO	
PY2GM	EA1AAA	SV1VN	DS5TOS	
10	EA7ZY	W1CBY	EA3WD	
DL4CF	IK8GYS	WD9EWK (DM43)	EA4GQS	
HB9BOS	JI5USJ	YB1TJ	F1VEV	
JH8RZJ	JJ1IDW	YL2CA	G4CFS	
JI2UDK	KB8VAO	YL2MU	G4VSS	
PA5KT	M1VPN	2	G6MXL	
SV2DCD	MU0GSY	5B4ALJ	G7SQS	
TF3Y	OK1IN	6K5XZE	G8TTI	
UR7DWW	ON5UE	9A2GA	IK5BSC	
9	PP2RON	9K2NO	IW0AFS	
DL7BA	SK6QA	BV6CC	IZ0BTV	
EB1EWE	VE2NGH	CO6CBF	IZ2CSX	
EC7ZK	VR2XMT	DF3VG	IZ3DBA	
G6BFP	W1ZR	DF8FT	IZ5FSA	
HB9GWJ	W2ZF	DK1CO	JA1GZK	
IK3ITB	YL2CZ	EH4BPJ	JA7DPC	
JA1MZL	4	ES8JX	JA7VXB	
JA2FGL	CT7/RC2A	F5TMJ	JH8XVT	
JE1LFX	DD6UAH	G0THY	JI1HNC	
KD3UY	EK/RX3DPK	G4DDL	JJ1PFC	
S51NM	F1DFR	G8GNI	JL2ULM	
8	GM4CFS	GI4ONL	JN3ONX	
DK2LO	GM4KHE	IK1IYU	KC3KJQ	
JA1CPU	IV3GOW	IK2GOQ	KG4JSZ	
JE3PCP	JG1JPE	IZ8XQC	KH6WI	
JJ2NWI	JH7IMX	JA6AVT	KP4DER	
N8RO	JH7IPR	JA6SZV	MM0INH	
OH8LXT	JK6DXD	JA9FAI	OK1UU	
	UT5EL	JH3MHI	ON6NA	
	VK4ZP	JP1HDK	OZ1IKY	
		K4KZM	PU5SVE	
			SM3GBA	