

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 (02 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	469	KG5THG
AA0MZ	N6JV	KY7M	W5WVO	AJ4F	N9BCA
AA5AM	N7NW	N0KE	W9RN	K4MY	NA6MG
AA5C	N9LB	N7KA	WB9CIF	K7PI	NE1B
AA7A	N9UM	W5ZN			
AI5I	ND0B	WD5COV	478	467	457
K0GU	W0FY		AD1C	K3SX	K4HB
K0SIX	W0JW	485	AE5B	NY0V	W9WO
K0TPP	W0LGQ	K1USA	K6ZH		
K1TO	W3CP	K9MU		466	456
K1TOL	W4UDH	N0POH	477	KA0JGH	AJ4A
K4PI	W5ADD	N5WS	N5KO	KB6NAN	N4QS
K4XO	W5AFY	W5VY	N7ZO	W5THT	
K5ND	W5AJ		NC6K	WX7M	455
K5RK	W5EME	484	W6XK		K9MK
K5UR	W5FF	AD6D		465	KF8MY
K5WE	W5KI	AF5CC	474	XE2K	WA9DU
K7BG	W5OZI	AI1K	K7KQA		XE2X
K7CW	W5TRL	WQ0P	ND4X	464	
K7ULS	W7GJ			KB9OWD	454
K8SIX	W7JW	483	473		WB7CJO
K9CT	W7KNT	AC0RA	NQ7R	463	
KA9CFD	W7MEM	W0VTT	VE3EK	KB8VAO	453
KA9FOX	W9FF	WA7HQD	WB0O	NI0G	K4YMQ
KD5M	W9JN	WB0ULX		W5XC	K6EID
KG5CCI	W9RM		472		KB9DAK
KM0A	W9XX	482	KB7ME	462	N9FN
KM0T	WD5K	K0BJ	WD8JJA	N6ORB	
KO9A	WQ5S	N4WW	WE9R		452
KR7O	WS9V			461	KK4MA
KV5W		481	471	N4JQQ	N5BO
KX4R	487	KC7QY	N9PGG	NA9RB	N8YO
N0LL	K7MAC	W9VHF	W0RH		N9BX
N0LWF	K9YY			460	
N0PB	N0AKC	480	470	K5OMC	451
N0TB	N7CW	K5GZR	K4SO	K8ZM	K1HTV
N1AV	N7IR	KC7V	K5RT	KF0M	K5WBM
N3SL	N9ISN	N4TB	N4SIX	W3UR	KD3CQ
N3XX	NA6L	N5EKO	WO7R		WA1EAZ
N5DG	W3IP	XE2OR		458	
N5NA	XE2CQ			K9NW	

450 W0MU	NM5U	423 W4DR	411 N1EVK N9EAT WR7X	KM3V	390 KZ2I WF7T
449 KF6HI N8OC W8TN	436 NZ3M W3TC WB8ART	422 K0DD VE6WQ WB5JID	410 K3UA KB0V KE7SW KI8G	400 KT8O W0JRP W3UUM W7FI	389 W5MO
448 K4XP KP4AJ W3LPL WB8ZBT	435 KF6A	421 NE6I	399 NN4R	388 K0IP W4WRL	
	434 AA1ON K1SIX VE3LYC	420 AD5A	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 W7BA WA1NLG	397 AB4EJ KE4TH KI0E W8LMG	386 JA7QVI KF9UG N7IJ W5TFW W7AH WE4S
445 KG7CW KU7Z N4LR	432 K3FRK K6GXO N6KK	418 N4UFO	407 W4AS W5CIA W7Yaq	396 AB4SF AG4W KB8U	385 NK1K VE6MB W4WTA
444 K4SSO N7BAV W3LL	431 K0TLM	416 AC9DX K4RWP K7ND KO4MA NI0P	406 AK3E K6FG K8EB	395 AA5XE K0AZ K5XM KF7CQ NP4EI/W7 WB4EVH	384 K8ROK N2WK W8OP
443 AB4IQ K5XI N4MM	429 K5TA K8ZR WA5JCI	415 K7AWB K8JH W0GJ	405 AA4SC K1GG K5CKS NE9U	394 K6RO	382 VE3YXO
442 AG9S K4ZOT N2QT N4TL NJ6D	428 K9APW	414 K0DEQ K2TER KM8V N0GZ W4TV	404 N2ZX NH6T/W4 VE4EAR W5SUM	393 K7XB K7XC KD5XB KV7N	381 W3VZ
441 K8TB K9KLD	426 N5OK W5JAY	413 AE5FM WA9LFO	403 K6VHF NY1V	392 AF4HX K5HPT W6OMF	380 K7MCX NK0S WA5LFD
440 W2IRT	425 K6ML	412 VE2XK 6M FN07PJ	402 K3FM	391 W4AVY W6TMD	379 N8WNA
439 K8ROX N4QWZ N5TJ	424 K6JJ N4UFP N9AKR W3EP W5PR WB8BPU		401 K4CKS		378 KR4BD
					377 AB1OC

N8LRG NT9E	364 AB5EB K0RAR K5KEW N6QQ	352 K7LOL VE3XN W0KKK XE2ML	K1ST N0AN WA9M	333 AA4LR K0TC KM4HI N0IGZ W3GQ XE1YY	W3HDD W7JLC
376 K8GI K8VFX N3OC	363 VE7BV W1JR W4NH	351 W7IMC	339 KE4BKL N2ZZ VA7FC W5VAS WB0OQV	325 KF2T WA2AEY WX0Z	
375 K6QG WB4OQX	362 WA5OLT	350 N6VI WB4KTF	338 AI9L NA5Z VE3SXE W4MAY W9XA WA5KBH	332 AA7UN N4JDB N7KDT VA3IKE W9GM	324 HC2FG K9SH KU4A N2BJ VE3TMG
374 K0TT KV7K N6GP N7DB	361 K8BL K9NR KB1EFS N1KDO N8KOL NG4C W4ER	349 K1GJQ KA0BAD	337 K8ZES W9EWZ WA5RT WW0E	331 K0SRL K8WDA KC0UDO N4MW W3TI	323 N8II W8KEN WO2T
371 AA4ZZ N3PS WA6BYA	360 K6UM (CN85) W0NOZ	348 N1JFU NJ7G	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S	330 KB8MBC KG6AY W8PI	322 JG1TSG N3ALN VA6SZ
370 K5TN KG8P KN4SM KS4YT N3MK NN9X NT0V W4FC	359 AA4FF K0CAO	346 N9XG	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA	329 AA1QD N2JJ W2OR W8WG W9DCT WX4G	321 N0LD N7RO NC7B NS4C W9VA
369 KF8UN N2DPF	358 K5RLA	344 K6FW KB0PE W1OW	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC W3ATV WB5TOI	328 K6ME N5PT W2CNS WB3LHD	320 KG5EIU N4DW
368 N4JP W5RCI W6GMT	357 K4LVV WA9PWP	343 K5EK KK0DX N3RC N3YT N6KZ N8HRZ	341 KD7DCR N9LF NX7U WA7YAZ	327 KJ5RC N0YO W2JU W7YA	319 N7US
367 KC4HW	356 K7PT	340 K0JDD			318 W4HY
366 KI7JA	355 AA4FL N3AIU (DM45) W1DYJ				317 KA8SYV W1SKU
365 K4JJW K6EME WA7PDC	354 KE8Y NU6S			326 K2ZD K6LMN K6TDI NG7M W0PR	316 DK8NE K3FN KA0ABA W4UCK W9BWR

315 K0PG K5VH KM3T NY2NY WA8ZID XE1AO	305 K3VAT K6UM (CM88) KT1J N4SV	296 K4XR K6YUI KC7RW XE1EE	N8CGY W7CT WA4NVM	K3JT K3WA N0LNO N8BJQ NN1N	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 K1DT 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	
311 AC9S KS4XQ W2BZY W5DB	301 N0HJZ W3SW W7IB W9OBG WB0TVY	292 KJ6P N4ST W1SSN	282 AA0ZP N8JCM W4WM	274 KB1DMX	266 K1OA K1WVX K3HPA TG9AJR VE3MSC WB8EJN
310 N1NK W9KVR WO4DX	300 AA4V K0PHP KB6VFC N1RR WA2BAH WX2S	291 W1WHL W2CCC WI7P	281 AA8MA JR1LZK K4OY NL7CO W2YE	273 KM4H KV1J VE6SH	
309 AA9RR	299 KX7L VE6WK W1LE W8UV WB5GVY	290 VE6TA (DO33) WA8EFK	280 N0KV NM5Z W1FKF	272 KF8QL KO4PRE	265 N5KS
308 WA4HFN	289 K2BLA K4MM K9FA N5BCA NQ7G W4LTJ		279 N3JPU W0PPA W0VHF (EL87) W8GJ XE1FAS YV1DIG	271 K7NII KB7FUV W3HHN	264 AC8L K4JAF N0TK N5AO NF1O
307 AG1A KE5K KS4S W9RPM	298 K0MLD KD4WSC KK8MM N4IQ W0JM	288 K1NU W1DU W4HLR		270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT W7JY WZ9B	263 AK4PR K0NO K7MDL K9AAA WB7QBS
306 K4QE KL7HBK WV9L	297 N8YQX	287 K8DP KC7MRQ	278 AA9D AJ4W	269 K2IE	262 K3CWH K5VR

N5PA ND4DX WA0KBZ	KG4JPL W4HFZ WA8KNE	247 JA1UAV N5DD W3TEF	W9YOY/M WA3SEE WB1FLD	229 GD0TEP K6RG KB9RUG KC0VDY KD5IKG KE4UW N4NX NN5DX W5LUA	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT
261 AF2F K3TWK KB8UUZ N3EW W6TCP W9TA	254 KG9Z N4GBK N5SIX N7QOZ NR0Q VE3OTL W8FIB WD5ITW	246 K0DAS K8YC KK8X N5TIT W4FRA	238 AA3GM JP1LRT W1MJC		
260 JM1SZY K6JAD K9MQ N6HC NT7C W3DF XE1YD	253 F4BKV KG4ERR N2XQM	245 AE4M N1IA N3XF VA3CW	237 K3KO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW
259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA	252 AB5A CT1EEB K1ACL K3NK N9ATF NN4RR VE6NTT	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	235 ND0C VO1GO WB6RJH WT2P WZ9W	227 K8ZT K9TF KS9A W4KXY XE1GLL	220 K7BTW N6PM N7XCZ
258 AB5GU K1NJ K2HAT NA2NY WB7ECS	251 AD5JK AE4WG K9QJ KG7NV NN4SS W2LV	243 JA1QJI K3TC W4EJ	234 KE6FCT	226 AF5WN N7CNH N8UR NM5S W0VX W8RD WQ6Q	219 K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)
257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/O	250 AA9LC KS9J NW6R	242 IT9IPQ K3WW KA3TCC VE3SMA	233 K1AFC K3EA N9NJS VE7VZ W8PAT W9TD XE1L	225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	218 K1XH K4IJQ KB8KVJ NA5C
256 JM1IGJ KL7NW N8ZJN	249 CT1IUA JR3REX K8AO KQ5U N1GC N5SMQ	241 N6NU W5LO	232 K5FO N9NJY		217 ND4V W4DEE
255 K8MVZ	248 K1ZZ W6VFA	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL	231 K4MIJ K6HEW KF6GYM W9XT	224 JA8ISU K2RET NJ8J	216 K7RB N0IS NE1F W1AW W5RWF
		239 KF4LVF MD0CCE W6RW	230 K1ZE KO4MM VA3XJ WB0WAO/8	223 K7UA N2ZA NJ7A	215 AL7OC K2SX K9OHI KI5FJ N2YU N6KW

214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ	206 AA9JC AB0CT AK4Y CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	WA1MKE WA9ASZ	WK8A	KQ0J N2WM	W4RBO W9BS WJ1B
213 K3DFL KI6X W0NBC	205 AF4OD K8SD KE4HOA N5ITO W8QID	200 4A2MAX K4YJ K5DB K6ZZ LU4FW N7PHY N9AG VA3VU	193 K9AB KD2NF	186 K8PT K9SG KN7K N0XLR N6ZE	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI
212 AB5C JF8QNF KF7NN N1SV N2OA	204 KO0Z LU2DX WA3DRC	199 N3KFV W4OEP WB0YEA	192 AA6AA N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	185 AD6W KD5BQT KU4UC N8XE NA2R PY5CC W3OU W5BPT XE1R	179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ
211 K9FOH KD3HN NE8S PV8BR W2ZDP W5HNK W6AER W6KAP	203 K0VSV K5HYT K5LOW N0HF N8SYF NX0I W1RM W3SZ W9GFB W9VOB WA1KPD	198 4O3A AC8TO JR2HCB N0UK N7EPD W8DM WA7KYM	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	184 AF5Q K0DEW KR4M N1IBM N3FX N4BG N4DTF	178 HB9EFK KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD
210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	202 K1BZ K5GJR WC7X WF8Z WQ5W	197 I0WTD K3EGE N4BAF W3TW W5CTV	190 K5ER KC2DLD KN4PPD N9UA W1ATV W2OO W4GE W8SP WB0DBS	183 K5RQ N0UBL W2UDT WC4H	
209 AA4IB W5WGF WA4NFO XE2N	201 AA7WB KC5FP KO9V KR0I NN0K NR2C	196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	189 AC0W KC0MEA WA5VKS	182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I W9JJ XE1CL	177 AG4ZE K2QQ KI4BWW NY4I SM7FJE W5ZG WA8UEG
208 AI2N CO8DM KD5HIO PV8ABC		195 AA4W K2WJ K6VDP KG6WIK	188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N9MSG NY0A	176 AD5ZA EA5BY JA1OVD K0DI K6ZZ (EM78) KX9X N5QGH
207 K6US N1BCL N8NJA		194 K2MRK N3FA N9NFT WF1H	187 AA8R KC5N		

N8URE (FM19)	NA2U	163	156	150	V31MD
N9ARX	W0PE	K2JF	IZ8FFA	KW4BY	VA3TTX
NP4BM	W4IHI	K2YSY	K2KJ	N9LAH	WA4JA
W5AFD	W4JKC	N5XZ	N3RN	VE3OAT	
WA5IPS	WK3V	OE6IMD	N9KO	W7APM	144
WW2R			VE7VDX		K0TLG
	169	162		149	K5TDW
175	K6XC	AF4GK	155	AB6CF	K6JRA
K3MD	KD5OMJ	K0QB	CT1BWU	IK7EOT	K8MN
NE5TX	N2BEG	KA1R	K3TD	K4SAN	K8WU
	N5XES	KD4TDI	K6XN	KK9H	N9DI
174	VE3HHT	UW5ZM	N5RMS	W3UA	W5MPC
K6WRL	W8KNO	W9JJB	N7AU	WB4VHF	WO7GI
KC0IYT		W9VS	N9OBE		YV4NN
KC6ZWT	168	WA1Z	TG9ANF	148	
KG7P	KG5ZMQ	WB0WAO	VA3NQ	AC0DQ	143
KU0A	W2PD		WV8DX	AG0A	K6JBH
N1MGO	W8WEJ	161		K0RU	K9QFR
NA2NY (ex-NA1W)	W79HT	K0KVR	154	K7IU	KB8RJS
NA6O		K4EA	AE4NT	KB2YSI	W0HNM
W3SO	167	KB3CWQ	KB9VMW	N0TM	W0UHL
WA2PNI	K4MQG	KK9M	KW4OV	N1TOR	WB0MMC
	KB1YNT	N2YBB	NZ6N	N5ZBI	WM5H
173	KB9REV	V44KAI	W3ZQN	PV8AJ	
IC8TEM	KE5EP	VE3LC	W4DWS	W5DM	142
K2ZZ	N0NHW	W4HOG		W6VNQ (CM88)	NA2X
K5YPV	NO0T	WA1LAD	153	WB6RAB	NC4VA
KE4SCY	TG9ADQ		AA4NC		W5SWV
	W1BAT	160	AB4GG	147	WA5TKU
172		AB1QB	K7AD	AF6AV	WS4V
AB9KZ	166	JA1AFR	K7ZD	IZ1LBG	
K5ZED	JA3LZS	K5IQ	N1OFZ	K6PSP	141
KI4PKW	KC2GHT	WL7OU	N2ADV	KC1BUF	K4AR
KJ6HI	N5VU		N6DHz	N8IK	K9ATX
VE2PN	NA1VT	159	W3DQS	VE3CX	KT8TD
W4ABC	NC4RY	G0OIL	W5FI	W4YCC	N9FIV
	VA3WEB	K4MZ	W9DHI	W5WOX	NV4B
171	WB4KXS	NS7B	W9ILY	WA0VPJ	W4FS
AA4PB	165	W1EME	WB5ZAM	WA3YGQ	W4POT
HP2AT	K4DXT	W4TTO			W6ZI
JA6RJK	KD5HPT	WB8NUT	152	146	WB9WHQ
KC5GSK	W0RIC		AA6I	K2GW	WR7AY
KC5YCH		158	N0RC	K8YTO	
KI4TZ	164	K8CR	N1NUM	KB0YH	140
NS3L	K2SD	KI0D	NU1T	KB5ZEA	AC5DK
W1PX	K5VWW	N2CG	UT7QF	KC2TN	BA4SI
W6IA	KD0UHN		WO4G	KM5TY	CO2WF
WA2KBZ	KF9US	157		N4HID	K7SAM
	W4CSW	K4FX	151	VA2RC	KC0MEZ
170	WK7G	KB8GC	W1ZT	VE1VOX	KC8TMU
K3LL	WQ7F	KC2WUF	W2DXE		KJ4KVC
K9TVG		WA7NB		145	N1EN
N8CN				KD7YZ	N3VOP

NJ0U	W6BXQ	VE1DX	125	VE7JAC	KI7BP
VA3FLF	WB8BZK	VE2TZX	AA7DK	WD0GTY	KT8X
VE3KY	WW2DX	W0PHX	K3PU		N1QDQ
W4GPM	XE1H	W2LES	KC5DRI	121	N3JNX
W4TUN		W3FEY	W2AJM	AE1P	N5EIL
W6DQ	134	WA2SEI	W3UQH	K0MFI	W2AC / WB2ABK
WA4KXY	AB1NS	WB4YDL	W4DFU	K4HBI	W2AC/WB2ABK
	AB4GE	WW5W	WA6POZ	KB2WAL	WB2KSK
139	AD4TT		WB4OMM	KB5MH	
KC7JPC	C6ABB	129	WE1P	KE4JFS	117
KM2O	GM4UYE	8P6ET		NE0P/9	AB5J
KU0G	KE5FXE	JF4VZT	124	UR0MC	K4WS
N7T	KF6UFO	K0KD	K0DLW	W8DN	N4USG
NA2AA	N3AIU (DN70)	K5QWO	KB0HH (EM06)	WB9TFH	N5JEH*
TF3JB	N8GOU	KC8KSK	KD5FTD		N5LPT
W4OV	W4TKI	KF4NEF	KM1C	120	NA7L
WB2JIL	WA3WZR	KM5LY	KT5MR	EA1YO	NU6V
WY0V		KM5SC	N0SL	K2CYE	W6WE
	133	N9WBR	N9AZZ	K4AU	WA1TBV
138	KA5ETS		PV8AAS	K4CGY	XE2PXN
AC0XY	KC1RET	128	W1TAM	KD0R	
AI6O	KE1VT	JR2LJO	W3KN	KD4MZM	116
KD7WPJ	W0RT	KC7QAG	W6SCQ	KD5BRF	EA4DEI
KE0A	WI5D	KJ6SDF	W7YM	KE4SCY (FM06)	K4RGN
KE3D	WW7Q	KN4DMN	W9CDL	N3YPJ	KI6QDH
KE8RO	XE2O	N1SFE		VE1JC	KU5B
KQ4KX		NR1R	123	VE3XK	N0VR
N3XH	132	W0WT	AC7AF	WA6RAY	NO0B
	AB3CV	W5ZO	K9SM	WD4OHD	W0DHB
137	K5VG	W8FR	KB0GT		
N1SZ	KW4G	WB2WEO	KB0STN	119	115
N5JGK	N4PPH		KG6DHQ	AE5AU	K9AAN
SM7AED	N7TP	127	VE3TG	K0AWU	K9MMS
	NE1I	AA9RK	W1HS	K1ZN	KE6TVM
136	VE3TM	K3GYK	W3DIY	K2SQS	KF0QS
K0XXX	WN6K	K7UV	W3SE	K4MSG	KF9AF
K4SX		K8AC	W4PRZ	K7JIZ	KM5FA
KC5LK	131	K8OS	W5EWF	KF7PCL	N7VGO
KC9AXZ	JR1BAS	KB3OZC	W7MHW	KP3V	VK9DX
KJ5RM	K3NAT	KB9TLV	W8BI	KT0P	WA3BZT
KV1E	KG9R	KC0RQH	W8KHP	KW7N	WC7V
NO1R	KT3X	N6UTC	WA8WV	N4UPX	
W2JCN	N2CJ	VE2JWH	WB2RVX	W0QC	114
W4AVV		W1FLD		W4SW	AC8HU
W7UV	130	WA6BIL	122	W7QQ	K3RTU
XE2JS	AB0X		K7AED	WI4T	KC4GCK
	G4BWP	126	K7OGW	WM9M	NF8M
135	K0GUR	KJ7G	KA9JAC		VE1WOW
CU3EQ	K4JKB	N0BDS	KB4UF	118	VE3IRR
K4MWB	K8LG	N7DGI	KB5WFE	J68AS	W2JLK
K8ZIZ	KC4NX	WB4HUC	KC5UGX	K4AZV	W2ZQ
LY3W	NG9R	YL2AO	N5HYV	KA4LBD	W4ALF
N4DB	NO8D		VE6PY	KF6MXK	W4UFO

W5DWA	N5YM	106	KD9GKL	KB8CR	K2UA
WO2C	W7JET	K0MEI	KJ7OG	KC6WFS	K4UQC
WX4US	W7UP	K5BJW	KM6WXB	KC8DMN	K5GM
		K7BWH	KO4LZ	KD8NYO	K5KV
113	109	K7JE	N0STP	KE1AU	K8IJ
AB4PM	AK6ZZ	KB0TIJ	N1LDY	KJ4M	K9CC
AD5MD	IW1ARB	KC7ICM	N2FBQ	KR5V	KB9ZLB
HB9BZA	K2DSW	KE5JXC	N3UPS	N1HOQ	KC2HLI
K3DQB	K2JGL	KJ6MBW	N7AGF	VE7ZD	KC8CC
KD4BPZ	K2OO	KK2DOG	NJ1H	W4RVZ	KC9CMT
KD6VCD	K5DNL	N0RQ	VE2PIJ	W5DPT	KD3SW
KM5OL	K9GY	N1USB	W1TE	W5OV	KE5CVM
N3JDQ	KE6GLA	N2IPH	W1ZE	W7UT	KF0Q
N4YCI	KJ6CA	N4CE	W4KVS	W9NFL	KG5X
N5YK	KZ7N	N5FPW	W6ZQ	WA4IOB	KJ5OA
W0BM	N8TMW	N5YHF	W9EBK	WA8EQP	N3TBB
W8MSP	N9TTX	N8HM	W9MDB	WB5FDP	N4NIA
W8VW	VE3AAQ	N9XMU	WB2VUO		N5RZK
WD0ENC	W0YJT	VA3OKG	WB8BZK/VE3	101	N5XTR
WU3U	W1OP	VE3AJY		AE7V	N7EME
	W4ZRZ	WB6VYH	103	AI5WW	N8COP
	W5MPC/1	WQ9F	AA5CK	K0IN	N8XS
112	W7RJR		AB0YM	K0SBV	VP2MRM
K2MLS	WB6YIY	105	AB5SS	K0WJ	W2CH
K3GD	WB9W	AC4Q	K2OY	K2NUD	W4/KL7GLL
K5WTA		DS4EOI	K4MVL	K5DWI	W4OZK
KA7T	108	K4SJA	K8ZEE	K5HX	W8BZY
N5HMH	CF3VRQ	K9MAL	KA1W	K7SYS	W9DQ
W1TR	JA9IPF	KB3JGS	KB0FHP	KB1JDX	WA5TLP
W5DQ	JP7EIP	KC0JYT	KB2SGX	KB4KBS	WV9E
W6OAT	K5OPB	KC4KK	KC9FFV	KC6AWX	
W7IV	N3MWQ	KF4DGS	KF0AIJ	KC8CSD	99
W9PN	VE3SUB	KJ7TH	KF4DVG	KG8WB	AB0SD
WA8TWM	VE7IG	N4NQY	KR4NO	KG9IL	AB3TM
WG3K	VY2RU	N5SAN	N0YXE	KL2R	G4FKA
WX3P	W4AMP	N7YY	N1JIF	KR4WM	K0YO
XE1GK	W4CRN	NE9O	NF6P	KR7LD	K4KEW
	W5AAJ	PU4JOE	NN2D	N1IX	K4WQ
111	W8EH	VE3VRQ	VE7DXG	N4AOE	K4ZO
K8BB	W9VNE	W8MIL	W0TF	N8VEA	K5VPQ
N0SLT		W9RVG	W3LEO	N9DVS	K7DD
PC3T	107	WA4MYO	W6IT	ON9CMR/W0	K7PAP
W8GBH	JA3EGE		W6XU	VA2LGQ	K9ZZE
WZ8P	K5UIC	104	XE1RBV	W4LLP	KA0ZEE
	KF7PG	AB9YC		W5KBD	KC2IEB
110	KI9A	AC5K	102	W7ISG	KC6X
K5KR	KK4LUM	AC5RN	AA9MY	WB8IMY	KD4MWO
K7LD	N3TTT	AC9QR	AB8JH	WD5IYT	KD6RUH
KD5J	N9OI	IK4DRY	AD6KH		KG9AP
KI0F	NF0T	K5PPP	K0HAQ	100	KR4UA
KP4JRS	US0KW	KB9RNO	K3HW	AC0FT	M5MYH
KQ4LA	W2TTT	KC1LXO	K9AM	AI2S	N4FV
KX5U	WB4PPW	KC2TR	KA3ZLS	AI9U	N7HRT
N5TIF					

N7JPF	WT5H	K8EMR	N4ET	N0LP	KE6UMW
N7TE	WV5Y	K9OT	N5BLY	N2SU	KE8RPJ
N8GHZ		KA2NDX	N5ENU	N3JBH	KE9V
N8YV	97	KA3HED	N5KI	N3XBG	KI0J
N9MKC	AB8M	KB5GI	N9IV	N3YUG	KK7MNC
NB5R	AJ9C	KB8PNS	N9LJX	N5ZMP	N2BX
NH6CJ	K0HB	KC0HBP	OE9KFV	N6HY	N2YTF
NI5W	K0JQZ	KD6PY	PY2KP	N6MXU	N3AO
NS2P	K0QEI	KI5TE	VA3KS	N7NH	N3ZBK
VE2HAY	K0SH	KM5NU	VA3PZ	N7UN	N4GOA
W2HOG	K0YQ	KR4EE	VE3KZ	N8WWM	N4YHC
W2VU	K3HZO (FN20)	KS4V	VE3SPW	N9DD	N7EGY
W5JLC	K4GTR	KT5RR	W4YZJ	N9UNX	N7JI
W6TJU	K4JQU	N0WVU	W5ADA	VA3MA	N7KSI
WA5TRX	K8XF	N2LID	W5CBF	VE3RX	NA9D
WB5NHX	KA2BSK	N2VHZ	W5RCQ	VE5MX	VA3JFF
WB7VVD	KA7EII	N2XK	W7JWC	VE7AB	VA7QI
WK5X	KC0YBM	N8PAQ	W9SX	W2GR	VE3WMD
WW2R (EL09)	KD5CKP	N8YBY	WA2ONK	W3IPA	VK5PJ
	KF4KSN	NT2A	WA3I	W3TA	W0MHK
98	KM4NYI	NW5Q	WA4WR	W4LNG	W2VTV
AC2RL	KT5WB	NY2Z	WB2SIH	W5ODD	W3ZGD
AD8Y	N1VMJ	VE2DCP	WD8DOT	W5PUF	W4VG
K0KC	N3UMA	VE6RGU	WS4S	W7NX	W5DMT
K0UD	N4BH	W1HMM	XE2AT	WA7LHZ	W7EIR
K3IXD	N6MA	W3VHF		WA9BXB	W7TRX
K3QIA	N9APK	W4KK	94	WT9U	W9IFW
K4OP	N9IO	W4TMR	AA4RP	WV2I	W9NED
K5HOB	N9KY	W7JHS	AB4VT	WV7S	W9WI
KA1EKR	NK7C	WA3EEC	AD1DX		WA5ICA
KE4LGL	NU0Y	WB0M	AK8CW	93	WB5CON
KG4YOU	NV3K	WB5KJE	HK4SAN	AG2A	
KG7E	VA3FIN	WP4LNY	K0ARM	AG6CV	92
KJ2G	W3QT		K3BEE	AI8F	K1EY
KK0CQ	W4CWA	95	K3TUF	IZ4DPV	K5GDX
KY0Q	W4DAS	AB9AI	K4JRK	K0IW	K5TDA
N0JJQ	W4ID	AE0G	K4LDC	K0RM	K7FU
N1JHJ	W7DN	AE5EO	K8GT	K1PTF	K7HKR
N3LRP	WA6OSX	IK8YTA	K9DOG	K1ZK	K7UWR
N5TEY	WA9LEY	K1PNQ	K9SUL	K2AK	KB0PQP
N8AID	WB8RVK	K4ED	KA2F	K2MTS	KC4JNW
NO5X	WB8ZTV	K8KFJ	KA9UVY	K4DAM	KD4QMY
NO8R	WE8L	K8ME	KB4YKC	K5TRI	KE4WBO
VA3VF		K8VD	KB7AK	K6RM	KG4URP
VE4XTZ	96	KD7WH	KC0AUY	K7IP	KR7X
W2KRP	AD5OW	KD8DR	KC3AK	K7TRK	N2SG
W6TE	AE4TQ	KD9ZR	KD4VRZ	KB0USF	N3GH
WA2FGK	AK4F	KI0SK	KE3WM	KC5TGT	N4VN
WA3TLT	K2CK	KW9U	KF0LA	KC5TT	N5QO
WB1GQR	K2UF	N1XK	KG4NLZ	KC9TTR	N6FD
WB2YDS	K2UNK	N2SLO	KU4JZ	KC9UL	N6RPM
WD0E	K4EQH	N2WLS	KV3W	KD0QG	N7DED
WH6LR	K5CRJ	N3WAV	N0LNE	KE6AZX	NS6E

UT5JAJ	WB0NRV	KF4TVL	N4KIN	VA7LM	KB9LIE
W1PV	WB7X	KI0G	N4UC	VE7IRU	KK7BV
W2ACY	WC4V	KI4FW	N5VBK	W8IW	KU4WW
W2CVW	XE1GZU	KI4US	NS3X	WA1PMA	N5PD
W3ACO		KR4U	NT4TN	WB4GCS	N6KTH
W3GP	90	N2GZ	VE2VLJ	XE2AU	SV2AEL
W3HZU	AA0LM	N5KAE	W2BZR		TG9AKH
W4BP	AB4WL	N8YSZ	W3YX	85	W7USB
W4LIA	AB9DU	N9RG	W4DL	AC3KE	WD6T
W6NS	AF5BG	N9UDX	W4RXR	AC9GK	WD9IOK
W8JV	DL1SMA	NE2U	W7HDD	EI3IO	WI6Z
W9HBH	JH4JNG	VE3VCF	WA2BTR	K1UU	XE1MM
WA3JKB	K1HC	W0HRO	WA5MD	K4LRP	
WA4EEZ	K1KA	W1HY	WK3N	K5MJP	82
WG8E	K3CWF	W2JEK	WV8O	KB3MXK	AD4IE
WM3O	K3UAL	W2OK	XE1SOV	KC0V	CB0ZA
	K4AAP	W4ZMM		KE4DRF	K3RJK
91	K4FTP	W6VNQ	87	KK4AND	K4JMX
AA0CW	K4XZ	WA7SDI	AC0A	N2RJ	KA5WSS
AD3Y	K6UIP	WB3IAL	AG4I	N4LS	KC5YKX
CO2WZ	K8EAB	WM6Y	K4JC	NJ1Q	KG4KVZ
HB9ALO	KA5TJI	WQ5C	K5UZ	VE3GFN	N1SF
K0CFI	KB5FHK	WR5AY	K5WO	VE7DAY	PU8TEP
K1UR	KB7BSA	XE2NL	KB1VUN	W1WV	W5DAS
K4SPA	KK4DZP	XE3DX	KC8NAH	W3STU	W7YOZ
K6YK	KW3DX		KE6WOX	W4IT	W8GG
K7HPN	N2ULL	88	KI6RRD	W4RA	WA2ONG
K8OI	N4BRF	AA4QE	N0ELA	W6ST	
KB2YWU	N5BA	AE0DX	N2CJN	W7SIR	81
KB3IAI	N9JJ	AE4OF	NE5S	W8DQ	AB4I
KB3NDS	VA3XOV	AF4MI	NI5F	W9QY	DF3CB
KB7AZ	W9CPV	K1RS	NN7RM	WA4WKL	KE4DZU
KC5POV	W9CSY	K3TN	W8GOC	WD4LSS	N6MM
KC8LGL	WA2BEV	K4XD	WB3IGR	WF4R	N7NEV
KE1IU	WA8OJR	K7CTV	WB8JAY		NI4Y
KE7RTB	WD9HCF	K7WV	WF4W	84	W3MC
KG4QWC	WE7H	K7ZYV		CT3FT	WA4ZXV
KI3O	WEST SEATTLE	K9MA TEUR	86	K4EZY	WA8ZNC
KI5BLU	WH6LE	KB2KIR	AG1T	KE6NDG	
KM7N	WM7C	KC1GWX	K7FB	N1KI	80
KM9I	WT4C	KC3MLC	KA9OKH	N2NWS	AC6BW
KQ6K	XE3/K5ENS	KE8UM	KB7JJG	VE2WBK	K7FR
N3PPH		KI2D	KI6HQT	W8PU	KE4PT
N3WCM	89	KI4RFM	KN4MMH	W8SGR	KR4Q
N6DW	AB1TZ	KJ4KW	KP4TB	ZS6NK	KW1DX
N7CZ	AG2AA	KQ4AJI	KT1R		N2NS
N8DEZ	AG7NR	KU4S	N2NF	83	VY2HF
NR4J	G4NBS	N0OK	N3MVF	AA6E	W2DEN
NU4N	JQ1TIV	N1CEO	N8TFD	DL5XJ	W5TTY
VA2BBW	K4BMM	N2MKT	NZ3O	K1LH	W7AM
W2SUB	K5CX	N2ZN	SV1RK	K4SQC	
W4MLN	K5JAZ	N4CAG	UT9FJ	K8SIA	79
W5KDA	KA0MWA	N4GN	VA3MDB	KB3HHA	JF1LMB

K4RW	73	OK1MP	53	40	29
K5JBT	JF1IRW	W4CCS	K0BBC	JR0QFA	HL2WA
KB4DSL	VP2MJD		PP1CZ	WB8TGY	OE4VIE
KP4N	W4WT	64			
N2COP		K3BQ	51	39	28
N5YJZ	72	WD5GRW (EM1301)	CT1ETE	AA5PK	CT8/K0RUI
N9RC	N4II		N8OFS		E70A
VE3CFK	PV8ADI	63	OH4UI	38	JA6CRP
W2GW		EA1DR	VE9FCP	DD3KF	JR7ILA
W2SKI	71	HL2EIZ		DG7RO	K0FMI
WN0L	K0GW	KB0RFY	50	DU1EV	OH3DP
	K4GK		N8MR	HL4GAV	
78	K5WPN	62		K8YSE	27
IZ8EDJ	NP4TT	K4DXA	49		KC9ELU
K2QPN	W2YR	N6ZDH	HB9RUZ		WP4NIX
SP5QWB	W3FGP			37	
TG9AWS	WC5M	61		BA7NQ	
W4NE		CU3AN	48	DS4AOW	26
	70	K4MLB	G8BQX	HL4CJG	WB7QXU
77	GI4SJQ	N0GVK	HL2IFR	JA9APS	
K1IFJ	K4BNC		JA9KRO	JH9DRL	25
MIOAYR	KC0ZRX	60	K0BBC/R	OE3SGU	EA4/K1WE
	N6GEO	HB9BIN	KI5KC		
76	W2QO	KP4JFR	N6DBF	36	24
K0WYN	W4GP	S55DX	NP3IR	JA1WSK	EI2JD
K6MAA		UR9QQ	YL3HA		F1RAF
KI4CYB	69			35	F4BDG
KI7WXP	K3WGR	58	47	GI4OWA	HB9G
N1GNB	W1YM	KC6NBI	HB9RYZ	LU9DO	KS4YX
N2MH/4	WD4LBR	SV8CS	JE1VTZ	UR5WA	ON6AB
	YL2JZ	WA2MUA	N6PAZ		PA7TWO
75			45	34	23
G4RGK	68	57	JA6WJL	G4SEU	GM4ILS
K3PP	AA4S	IK1ZOF	K4TXJ	JL3LSF	K4SLC
K6VHF/HR9	EH7CD	JL1UXH		LA2QM	KP4EIT
K8QM	K6CF	JL3MCM	44	33	W8MK
N5GH	KJ7TEA	N5LJL	DM2RM	W8GC	
NP3YL		WD5GRW	WO3T	WB4SON	22
US5WE	67		XE2YWH/1	WB8TGY (EN72)	9H1SP
W4LVH	JG2TSL	56			IZ3ENH
W5UC	KF4JHG	HB9HIT	43	32	
WP4NEG	KK4YEL	KI5WA	8P6SH	N3LRH	21
ZL3AAU	W7YED	LU8ADX	CT1EEN	SM6WET	EA1YN
		NI6T	HB9AOF	ZL3TE	
74	66	55	K4ZIN		20
AK8B	K6KLY	LA3MHA	LA6OP	31	CX1FK
CX4AAJ	UX1UA	SP5APW		K7TM	I1FQH
KF2TI		WA2EMF	42		JM1KVVW
LU4FPZ	65		HA5PT	30	N1WC
VE6SO	JA1XEC	54		E72X	PY5EW
VK4CZ	K4IM	AG4KI	41	JO7WXN	W8LR
WC6DX	K5EJ	JR2SQZ	E75AA	WA6DNR	
	N7UJJ				

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	HA9PP		YO8WW
18	DL2OE	LA3DV	HL2ZN	1	
AJ6V	EA4DAU	N5ORT	IK0WRB	3A2MW	
KJ4EU	EA4ZK	NJ4Y	IK8EPC	9A2EY	
W0HBH	G4CTY	UR5FEO	JJ1CHH	AJ6T (EM66)	
	IZ4GWE	ZS4TX	JM1GHT	BD4UJ	
17	JA2KVB		JN1BPM	CT1AHU	
G3LZQ	JA6QHJ	6	JR6IQI	DH8BQA	
PY2XAT	KA5WRG	CT2FEY	KC0Y	DJ3ZF	
SP5XMU	PY2DV	DU0A	PY5IP	DL2DCX	
SV8CKM	PY2GM	EI2JC	SA7CJO	DL4ZAB	
		JA7NGE	SV1VN	DL8GAM	
16	10	PY2VA	US0YA	DS5DNO	
N6VHF	DL4CF		W1CBY	DS5TOS	
TI2CDA	HB9BOS	5	WD9EWK (DM43)	EA2AA	
	JH7IMX	DL5LH	YB1TJ	EA3WD	
15	JH8RZJ	EA1AAA	YL2CA	EA4GQS	
9K2BM	JJ2UDK	EA7ZY	YL2MU	F1VEV	
EI2GLB	PA5KT	G6MXL		G4CFS	
HB9FMN	SV2DCD	IK8GYS	2	G4VSS	
LU5FF	TF3Y	JJ5USJ	5B4ALJ	G7SQS	
PY2RN	UR7DWW	JJ1IDW	6K5XZE	G8TTI	
UT3UA		M1VPN	9A2GA	IK5BSC	
WC2C	9	MU0GSY	9K2NO	IW0AFS	
	DL7BA	OK1IN	BV6CC	IZ0BTV	
14	EB1EWE	ON5UE	CO6CBF	IZ2CSX	
EA8MT	EC7ZK	PP2RON	DF3VG	IZ3DBA	
IW3GJF	G6BFP	SK6QA	DF8FT	IZ5FSA	
JA2XCR	HB9GWJ	VE2NGH	DK1CO	JA1GZK	
KB8DVT	IK3ITB	VR2XMT	EH4BPJ	JA7DPC	
PA7RA	JA1MZL	W1ZR	ES8JX	JA7VXB	
PV8RR	JA2FGL	W2ZF	F5TMJ	JH8XVT	
PY2OC	JE1LFX	YL2CZ	G0THY	JJ1HNC	
W9TTY	KD3UY		G4DDL	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	