

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 (14 Oct 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	N9UM	485	477	467
AA0MZ	ND0B	AD6D	N5KO	K3SX
AA5AM	W0FY	K1USA	NC6K	KB9DAK
AA5C	W0JW	K9MU	W6XK	NY0V
AA7A	W0LGQ	N0POH		W5THT
A15I	W3CP	N5WS	476	
K0GU	W4UDH		K5XI	466
K0SIX	W5ADD	484	N4SIX	KA0JGH
K0TPP	W5AFY	AF5CC		KB6NAN
K1TO	W5AJ	A11K	475	N4QS
K1TOL	W5EME	WQ0P	ND4X	NA6MG
K4PI	W5FF			WX7M
K4XO	W5KI	483	474	
K5ND	W5OZI	AC0RA	K7KQA	465
K5RK	W5TRL	W0VTT		N4JQQ
K5UR	W7GJ	WA7HQD	473	
K5WE	W7JW	WB0ULX	NQ7R	464
K7BG	W7KNT		VE3EK	KB9OWD
K7CW	W7MEM	482	WB0O	
K7ULS	W9FF	K0BJ		463
K8SIX	W9JN	N4WW	472	KB8VAO
K9CT	W9RM	W9RN	KB7ME	NI0G
KA9CFD	W9XX	W9VHF	N7BAV	W3UUM
KA9FOX	WD5K		WD8JJA	W5XC
KD5M	WQ5S	481	WE9R	
KG5CCI	WS9V	KC7QY		462
KM0A			471	N6ORB
KM0T	487	480	AJ4F	
KO9A	K7MAC	K5GZR	N9PGG	461
KR7O	K9YY	KC7V	W0RH	NA9RB
KV5W	N0AKC	N4TB		W3UR
KX4R	N7CW	N5EKO	470	
N0LL	N7IR	XE2OR	K4SO	460
N0LWF	N9ISN		K5RT	K5OMC
N0PB	NA6L	479	W07R	K8ZM
N0TB	W3IP	N7ZO		KF0M
N1AV	XE2CQ	W5WVO	469	
N3SL		WB9CIF	K4MY	458
N3XX	486		K7PI	K9NW
N5DG	KY7M	478	XE2K	KG5THG
N5NA	N0KE	AD1C		N9BCA
N5OMG	N7KA	AE5B	468	NE1B
N6JV	W5VY	K6ZH	K9MK	
N7NW	W5ZN			457
N9LB	WD5COV			K4HB

W9WO WB7CJO	444 K4SSO W3LL	K1TEO	415 K7AWB K8JH W0GJ	404 KF9UG N2ZX NH6T/W4 VE4EAR W5SUM
456 AJ4A	443 AB4IQ N4MM	429 K5TA K8ZR WA5JCI	414 K0DEQ K2TER KM8V N0GZ W4TV	403 K6VHF
455 KF8MY KP4AJ WA9DU XE2X	442 AG9S K4ZOT N2QT N4TL NJ6D	428 K9APW	413 WA9LFO	402 K3FM
453 K4YMQ K6EID N9FN	441 K8TB K9KLD	426 N5OK NE6I W5JAY	412 KT8O VE2XK 6M FN07P	401 K4CKS KM3V
452 KK4MA KV7N N5BO N8YO N9BX	440 AE5FM W2IRT WB8BPU	425 K6ML	411 N1EVK N9EAT WR7X	400 W0JRP W7FI
451 K1HTV K5WBM KD3CQ WA1EAZ	439 K8ROX N4QWZ N5TJ NM5U	424 K6JJ N4UFP N9AKR W3EP W5PR	410 K3UA KB0V KE7SW KI8G	399 N3PS NN4R
450 NE9U W0MU	436 NZ3M W3TC WB8ART	423 W4DR	409 K5PI N5SYV N9JR VE3DS	398 N8IEZ W1NG
449 KF6HI N8OC W8TN	435 KF6A	422 VE6WQ WB5JID	408 K7SMA KZ2I NY1V W7BA WA1NLG	397 AB4EJ KE4TH KI0E W8LMG
448 K4XP W3LPL WB8ZBT	434 AA1ON K1SIX	421 NP4EI/W7	407 W4AS W5CIA W7YAQ	396 AB4SF AG4W KB8U N3OC
447 AH0U KS7S N2NL N4SC	433 AB9BH KE8KMX WW1L	420 AD5A	406 AK3E K6FG K8EB	395 AA5XE K0AZ K5XM KF7CQ WB4EVH
446 VE3LYC	432 K3FRK K6GXO N6KK	418 N4UFO	405 AA4SC K1GG K5CKS	394 K6RO
445 KG7CW KU7Z N4LR	431 K0TLM	417 AA5JF N4HN	393 K7XB K7XC KD5XB	
	430 K0DD	416 AC9DX K4RWP K7ND KO4MA NI0P		

392 AF4HX K5HPT W6OMF	379 N8WNA	K6EME WA7PDC	352 K7LOL VE3XN W0KKK XE2ML	339 KE4BKL N2ZZ VA7FC W5VAS WB0OQV
391 W4AVY W6TMD	378 KR4BD	364 AB5EB K0RAR K5KEW N6QQ	351 W7IMC	338 AI9L NA5Z VE3SXE W4MAY W9XA WA5KBH
390 WF7T	377 AB1OC NT9E W1DYJ	363 VE7BV W1JR W4NH	350 N6VI WB4KTF	337 K8ZES W9EWZ WA5RT WW0E
389 W5MO	376 K8GI K8VFF	362 KB1EFS WA5OLT	349 K1GJQ KA0BAD	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S
388 K0IP W4WRL	375 K6QG WB4OQX	361 K8BL K9NR N1KDO N8KOL NG4C W4ER	348 N1JFU NJ7G	335 AK0MR K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA
387 KV4T N0FJP N4CH	374 K0TT KV7K N6GP N7DB	360 K6UM (CN85) W0NOZ	347 W2HRO	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC W3ATV WB5TOI XE1YY
386 JA7QVI N7IJ W5TFW W7AH WE4S	371 AA4ZZ WA6BYA	359 AA4FF K0CAO	346 N9XG	333 AA4LR K0TC KM4HI N0IGZ W3GQ
385 K0JDD NK1K VE6MB W4WTA	370 K5TN KG8P KN4SM KS4YT N3MK NN9X NT0V W4FC	358 K5RLA	345 AA8SW W3XY XE2YWH	
384 K8ROK N2WK W8OP	369 K0VG KF8UN N2DPF	357 K4LVV WA9PWP	344 K1ST K6FW KB0PE W1OW	
383 NK0S	368 N4JP W5RCI W6GMT	356 K7PT	343 K5EK KK0DX N3RC N3YT N6KZ N8HRZ	
382 N8LRG VE3YXO	367 KC4HW	355 AA4FL N3AIU (DM45)	341 KD7DCR N9LF NX7U WA7YAZ	
381 W3VZ	366 KI7JA	354 KE8Y NP4EI NU6S	340 N0AN WA9M	
380 K7MCX WA5LFD	365 K4JJW	353 AF2K K0CS		

332 AA7UN N4JDB N7KDT VA3IKE W9GM	N2BJ VE3TMG	W4GLV W5RKN	KB2TGU W0ADL	W4VC WA2IIE
331 K0SRL K8WDA KC0UDO N4MW W3TI	323 N8II W8KEN WO2T	312 AF6O K4NNX KA2GOJ N3KN	301 N0HJZ W3SW W7IB W9OBG WB0TVY	292 KJ6P N4ST W1SSN
330 KB8MBC KG6AY W8PI	322 JG1TSG N3ALN VA6SZ	311 AC9S KS4XQ W2BZY W5DB	300 AA4V CT1EEB K0PHP KB6VFC N1RR WA2BAH WX2S	291 W1WHL W2CCC W17P
329 AA1QD N2JJ W2OR W8WG W9DCT WX4G	321 N0LD N7RO NC7B NS4C W9VA	310 N1NK W9KVR WO4DX	290 AF2F VE6TA (DO33) WA8EFK	289 K2BLA K4MM K9FA N5BCA NQ7G W4LTJ
328 K6ME N5PT W2CNS WB3LHD	320 KG5EIU N4DW	309 AA9RR	299 KX7L VE6WK W1LE W8UV WB5GVY	288 K1NU W1DU W4HLR
327 KJ5RC N0YO W2JU W7YA	319 N7US	308 WA4HFN	298 K0MLD KD4WSC KK8MM N4IQ W0JM	287 K8DP KC7MRQ N8CGY W7CT WA4NVM
326 K2ZD K6LMN K6TDI NG7M W0PR W3HDH W7JLC	318 W4HY	307 AG1A KE5K KS4S W9RPM	297 N8YQX	286 CT1IUA
325 KF2T WA2AEY WX0Z	317 KA8SYV W1SKU	306 K4QE KL7HBK WV9L	296 K4XR K6YUI KC7RW XE1EE	285 AB0S K5CZD NS7K
324 HC2FG K9SH KU4A	316 DK8NE K3FN KA0ABA W4UCK W9BWR	305 K3VAT K6UM (CM88) KT1J N4SV	295 K9UO KE4P N6AR N7NT	284 AB0RX AD4ES K0KP K4DET KL0S NJ2F (EL96)
	315 K0PG K5VH KM3T NY2NY WA8ZID XE1AO	304 K6IPF NS4T WA0GUD WA8MCD	294 K6JSV	283 N5OHL
	314 KU4XO	303 EA8DBM K8TGC K8TL N7LAN	293 K3AX K4KJZ N4JJ N4MI W2GKR	
	313 JE1BMJ N6NR N7UVH NF4A	302 K2UU		

NA5DX WA0FQK WB0CQO	274 K8YC KB1DMX	K3HPA TG9AJR VE3MSC WB8EJN	K2HAT NA2NY NA5C WB7ECS	250 AA9LC KS9J NW6R
282 AA0ZP K1DT N8JCM W4WM	273 KM4H KV1J VE6SH	265 N5KS	257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB WA2HFI/0	249 JR3REX K8AO KQ5U N1GC N5SMQ
281 AA8MA JR1LZK K4OY NL7CO W2YE	272 KF8QL KO4PRE	264 AC8L K4JAF N0TK N5AO NF1O	256 JM1IGJ KL7NW KN4PPD N8ZJN	248 K1ZZ W6VFA
280 N0KV NM5Z W1FKF	271 K7NII KB7FUV W3HHN	263 AK4PR K0NO K7MDL K9AAA WB7QBS	247 JA1UAV N5DD W3TEF	
279 N3JPU N6PM W0PPA W0VHF (EL87) W8GJ XE1FAS YV1DIG	270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT W7JY WZ9B	262 K3CWH K5VR N5PA ND4DX WA0KBZ	255 K8MVZ KG4JPL W4HFZ WA8KNE	246 K0DAS KK8X N5TIT W4FRA
278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N	269 K2IE K3ZO KD5R KF6XA N5EPA N5WD VA2CY	261 K3TWK KB8UUZ N3EW W6TCP W9TA	254 KG9Z N4GBK N5SIX N7QOZ NR0Q VE3OTL W8FIB WD5ITW	245 AE4M N1IA N3XF VA3CW
277 AC7JM PV8DX	268 K6OJ KI0HA N9ZTS W0KAN WB9PNU	260 JM1SZY K6JAD K9MQ N6HC NT7C W3DF XE1YD	253 F4BKV KG4ERR N2XQM	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD
276 HC1BI K2CS K5TWJ K7TAB KD8JSP W9OO	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA	252 AB5A K1ACL K3NK N9ATF NN4RR VE6NTT	243 JA1QJI JA8ISU K3TC W4EJ
275 K1MAA K2NJ N4GG W0FK	266 K1OA K1WVX	258 AB5GU K1NJ	251 AD5JK AE4WG K9QJ KG7NV NN4SS W2LV	242 IT9IPQ K3WW KA3TCC VE3SMA
				241 N6NU W5LO

240 KK4ZUU KO6LU VA3HP W1VT WA2VJL	KF6GYM W9XT	N2ZA NJ7A	214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ	CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J
239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD	230 K1ZE KO4MM VA3XJ WB0WAO/8	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	213 K3DFL KI6X W0NBC	205 AF4OD K3LL K8SD KE4HOA N5ITO W8QID
238 AA3GM JP1LRT W1MJC	229 GD0TEP K6RG KB9RUG KC0VDY KD5IKG KE4UW N4NX NN5DX W5LUA	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	212 AB5C JF8QNF KF7NN N1SV N2OA	204 K00Z LU2DX WA3DRC
237 K3KO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 K7BTW N7XCZ	211 K9FOH KD3HN NE8S PV8BR W2ZDP W5HNK W6AER W6KAP	203 K0VSV K5HYT K5LOW N0HF N8SYF NX0I W1RM W3SZ W9GFB W9VOB WA1KPD
236 K0SU K4NK N3FTI N9ATD W5AJX	227 K8ZT K9TF KS9A W4KXY XE1GLL	219 K2RKJ K6ZZ (EM78) KE5RV W6DPD W7ZSL WB2WIH (FN20)	210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	
235 ND0C VO1GO WB6RJH WT2P WZ9W	226 AF5WN N7CNH N8UR NM5S W0VX W8RD WQ6Q	218 K1XH K4IJQ KB8KVJ	209 AA4IB W5WGF WA4NFO XE2N	202 K1BZ K5GJR WC7X WF8Z WQ5W
234 JR2HCB KE6FCT		217 ND4V W4DEE		
233 K1AFC K3EA N9NJS VE7VZ W8PAT W9TD XE1L	225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	216 K7RB N0IS NE1F W1AW W5RWF	208 AI2N CO8DM KD5HIO PV8ABC	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ
232 K5FO N9NJY	224 K2RET NJ8J	215 AL7OC K2SX K9OHI KI5FJ N2YU N6KW	207 K6US N1BCL N8NJA	200 4A2MAX K4YJ K5DB
231 K4MIJ K6HEW	223 K7UA		206 AB0CT AK4Y	

K6ZZ	N3CAL	PY5CC	W8LHP	173
LU4FW	N3NR	W3OU	WA4QMQ	IC8TEM
N7PHY	N4LXB	W5BPT		K2ZZ
N9AG	N4TV	XE1R	178	K5YPV
VA3VU	W6MTR		HB9EFK	KE4SCY
WB2AA	W8FN	184	JR2LJO	
199	191	AF5Q	KA2AYR	172
N3KFV	K0ITC	K0DEW	KB0EO	AB9KZ
W4OEP	K9CS	KR4M	KB1RZA	K5ZED
WB0YEA	KK6OH	N1IBM	KG5RJ	KI4PKW
	N9AMW	N3FX	N1ZUK	KJ6HI
198	WA2BKN	N4BG	NQ2O	VE2PN
4O3A	WA5CAM	N4DTF	VE3NRT	W4ABC
AC8TO	WD4JHD		W0ZY	
N0UK		183	W1MAD	171
N7EPD	190	K5RQ	WY7FD	AA4PB
W8DM	K5ER	N0UBL		HP2AT
WA7KYM	KC2DLD	W2UDT	177	JA6RJK
	N9UA	WC4H	AG4ZE	KC5GSK
197	W1ATV		K2QQ	KC5YCH
I0WTD	W2OO	182	KI4BWW	KI4TZ
K3EGE	W4GE	AJ6T CM87	NY4I	NS3L
N4BAF	W8SP	FP/KV1J	SM7FJE	W1PX
W3TW	WB0DBS	K5GMX	W5ZG	W6IA
W5CTV		K8WK	WA8UEG	WA2KBZ
	189	NZ1I		
196	AC0W	W9JJ	176	170
K0AIZ	KC0MEA	XE1CL	AD5ZA	K9TVG
K0NR	WA5VKS		EA5BY	N8CN
N5DUW		181	JA1OVD	NA2U
W2AMR	188	AB9FN	K0DI	W0PE
XE2ED	AD7KI	K4CMS	KX9X	W4IHI
XE2W	KD4HLG	K5HDE	N5QGH	W4JKC
	W4AZR	KB8YKR	N8URE (FM19)	WK3V
195	WA7VHF	N3XJX	N9ARX	
AA4W	WU9Q	N9MSG	NP4BM	169
K2WJ	WX9M	NY0A	W5AFD	K6XC
K6VDP		W4RBO	WA5IPS	KD5OMJ
KG6WIK	187	W9BS	WW2R	N2BEG
	AA8R	WJ1B		N5XES
194	KQ0J	180	175	VE3HHT
K2MRK	N2WM	K0OST	IZ8FFA	W8KNO
N3FA		K4LYN	K3MD	
N9NFT	186	KC1MMC	NE5TX	168
WF1H	K8PT	N1RK		KG5ZMQ
WK8A	K9SG	N6PEQ	174	W2PD
	KN7K	N6VH	K6WRL	W8WEJ
193	N0XLR	W5HI	KC0IYT	W9HT
K9AB	N6ZE		KC6ZWT	
KC5N		179	KG7P	167
KD2NF	185	K1EP	KU0A	K4MQG
	AD6W	KU4WD	N1MGO	KB1YNT
192	KD5BQT	N0LIE	NA2NY (ex-NA1VT)	KB9REV
AA6AA	KU4UC	N0MMA	NA6O	KE5EP
N1LF	N8XE	NH7RO	W3SO	N0NHV
N2NB	NA2R	VA3DPB	WA2PNI	NO0T
				TG9ADQ

W1BAT	WL7OU	W9ILY WB5ZAM	146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	140 AC5DK BA4SI CO2WF K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VA3FLF VE3KY W4GPM W4TUN W6DQ WA4KXY
166 JA3LZS KC2GHT N5VU NA1VT NC4RY VA3WEB WB4KXS	159 G0OIL K4MZ NS7B W1EME W4TTO WB8NUT	152 AA6I N0RC N1NUM NU1T UT7QF WO4G	145 KD7YZ V31MD VA3TTX WA4JA	
165 K4DXT KD5HPT W0RIC	158 K8CR KI0D N2CG	151 W1ZT W2DXE		
164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	157 K4FX KB8GC KC2WUF WA7NB	150 KD8RTT KW4BY N9LAH VE3OAT W7APM	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI YV4NN	139 KC7JPC KM2O KU0G N7T NA2AA TF3JB W4OV WB2JIL WY0V
163 K2JF K2YSY N5XZ OE6IMD	156 K2KJ N3RN N9KO VE7VDX	149 AB6CF IK7EOT K4SAN KK9H W3UA WB4VHF		
162 AF4GK K0QB KA1R KD4TDI UW5ZM W9JJB W9VS WA1Z WB0WAO	155 CT1BWU K3TD K6XN N5RMS N7AU N9OBE TG9ANF VA3NQ WV8DX	148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N1TOR N5ZBI PV8AJ W5DM W6VNI (CM88) WB6RAB	143 K6JBH K9QFR KB8RJS W0HNM W0UHL WB0MMC WM5H	138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH
161 K0KVR K4EA KB3CWQ KK9M N2YBB V44KAI VE3LC W4HOG WA1LAD	154 AE4NT KB9VMW KW4OV NZ6N W3ZQN W4DWS		142 NA2X NC4VA W5SWV WA5TKU WS4V	137 N1SZ N5JGK SM7AED
160 AB1QB JA1AFR K5IQ	153 AA4NC AB4GG K7AD K7ZD N1OFZ N2ADV N6DHZ W3DQS W5FI W9DHI	147 AF6AV IZ1LBG JR1BAS K6PSP KC1BUF N8IK VE3CX W4YCC W5WOX WA0VPJ WA3YGQ	141 K4AR K9ATX KT8TD N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WR7AY	136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS

135 CU3EQ K4MWB K8ZIZ LY3W N4DB W6BXQ WB8BZK WW2DX XE1H	NG9R NO8D VE1DX VE2TZT W0PHX W2LES W3FEY WA2SEI WB4YDL WW5W	KC5DRI W2AJM W3UQH W4DFU WA6POZ WB4OMM WE1P	K0MFI K4HBI KB2WAL KB5MH KE4JFS NE0P/9 UR0MC W8DN WB9TFH	117 AB5J K4WS N4USG N5JEH* N5LPT NA7L NU6V W6WE WA1TBV XE2PXN
134 AB1NS AB4GE C6ABB GM4UYE HK3W KE5FXE KF6UFO N3AIU (DN70) N8GOU VE7PTN W4TKI WA3WZR	129 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR	124 K0DLW KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N8MR N9AZZ PV8AAS W1TAM W3KN W5KMK W6SCQ W7YM W9CDL	120 EA1YO K2CYE K4AU K4CGY KD0R KD4MZM KD5BRF KE4SCY (FM06) N3YPJ VE1JC VE3XK WA6RAY WD4OHD	116 EA4DEI K4RGN KI6QDH KU5B N0VR NO0B W0DHB
133 KA5ETS KC1RET KE1VT W0RT WI5D WW7Q XE2O	128 KC7QAG KJ6SDF KN4DMN N1SFE NR1R W0WT W5ZO W8FR WB2WEO	123 AC7AF K9SM KB0GT KB0STN KG6DHQ VE3TG W1HS W3DIY W3SE W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX	119 AE5AU K0AWU K1ZN K2SQS K4MSG K7JIZ KF7PCL KP3V KT0P KW7N N4UPX W0QC W4SW W7QQ WI4T WM9M	115 K9AAN K9MMS KE6TVM KF0QS KF9AF KM5FA N7VGO VK9DX WA3BZT WC7V
132 AB3CV K5VG KW4G N4PPH N7TP NE1I VE3TM WN6K	127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N6UTC VE2JWH W1FLD WA6BIL	122 K7AED K7OGW KA9JAC KB4UF KB5WFE KC5UGX N5HYV VE6PY VE7JAC WD0GTy	118 J68AS K4AZV KA4LBD KF6MXK KI7BP KT8X N1QDQ N3JNX N5EIL W2AC / WB2ABK W2AC/WB2ABK WB2KSK	114 AC8HU K3RTU KC4GCK NF8M VE1WOW VE3IRR W2JLK W2ZQ W4ALF W4UFO W5DWA WO2C WX4US
131 K3NAT KG9R KT3X N2CJ	126 KJ7G N0BDS N7DGI WB4HUC YL2AO	121 AE1P		113 AB4PM AD5MD HB9BZA K3DQB KD4BPZ KD6VCD KM5OL N3JDQ
130 AB0X G4BWP K0GUR K4JKB K8LG KC4NX	125 AA7DK K3PU			

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

99		KK0CQ	WA6OSX	K8ME	KD4VRZ
AB0SD		KY0Q	WA9LEY	K8VD	KE3WM
AB3TM		N0JJQ	WB8RVK	KD7WH	KF0LA
DL5XJ		N1JHJ	WB8ZTV	KD8DR	KG4NLZ
G4FKA		N3LRP	WE8L	KD9ZR	KU4JZ
K0YO		N5TEY		KI0SK	KV3W
K4KEW		N8AID	96	KW9U	N0LNE
K4WQ		NO5X	AD5OW	N1XK	N0LP
K4ZO		NO8R	AE4TQ	N2SLO	N2SU
K5VPQ		VA3VF	AK4F	N2WLS	N3JBH
K7DD		VE4XTZ	K2CK	N3WAV	N3XBG
K7PAP		W2KRP	K2UF	N4ET	N3YUG
K9ZZE		W6TE	K2UNK	N5BLY	N5ZMP
KA0ZEE		WA2FGK	K4EQH	N5ENU	N6HY
KC2IEB		WA3TLT	K5CRJ	N5KI	N6MXU
KC6X		WB1GQR	K8EMR	N9IV	N7NH
KD4MWO		WB2YDS	K9OT	N9LJX	N7UN
KD6RUH		WD0E	KA2NDX	OE9KFV	N8WWM
KG9AP		WH6LR	KA3HED	PY2KP	N9DD
KR4UA		WT5H	KB5GI	VA3KS	N9UNX
M5MYH		WV5Y	KB8PNS	VA3PZ	VA3MA
N4FV			KC0HBP	VE3KZ	VE3RX
N7HRT	97		KD6PY	VE3SPW	VE5MX
N7JPF	AB8M		KI5TE	W4YZJ	VE7AB
N7TE	AJ9C		KM5NU	W5ADA	W2GR
N8GHZ	K0HB		KR4EE	W5CBF	W3IPA
N8YV	K0JQZ		KS4V	W5RCQ	W3TA
N9MKC	K0QEI		KT3S	W7JWC	W4LNG
NB5R	K0SH		KT5RR	W9SX	W5ODD
NH6CJ	K0YQ		N0WVU	WA2ONK	W5PUF
NI5W	K3HZO (FN20)		N2LID	WA3I	W7NX
NS2P	K4GTR		N2VHZ	WA4WR	WA7LHZ
VE2HAY	K4JQU		N2XK	WB2SIH	WA9BXB
W2HOG	K8XF		N8PAQ	WD8DOT	WT9U
W2VU	KA2BSK		N8YBY	WS4S	WV2I
W5JLC	KA7EII		NT2A	XE2AT	WV7S
W6TJU	KC0YBM		NW5Q		
WA5TRX	KD5CKP		NY2Z	94	93
WB5NHX	KF4KSN		VE2DCP	AA4RP	AG2A
WB7VVD	KM4NYI		VE6RGU	AB4VT	AG6CV
WK5X	KT5WB		W1HMM	AD1DX	AI8F
WW2R (EL09)	N1VMJ		W3VHF	AK8CW	IZ4DPV
	N3UMA		W4KK	HK4SAN	K0IW
98	N4BH		W4TMR	K0ARM	K0RM
AC2RL	N6MA		W7JHS	K3BEE	K1PTF
AD8Y	N9APK		WA3EEC	K3TUF	K1ZK
K0KC	N9IO		WB5KJE	K4JRK	K2AK
K0UD	N9KY		WP4LNY	K4LDC	K2MTS
K3IXD	NK7C			K8GT	K4DAM
K3QIA	NU0Y	95		K9DOG	K5TRI
K4OP	NV3K	AB9AI		K9SUL	K6RM
K5HOB	VA3FIN	AE0G		KA2F	K7IP
KA1EKR	W3QT	AE5EO		KA9UVY	K7TRK
KE4LGL	W4CWA	IK8YTA		KB4YKC	KB0USF
KG4YOU	W4DAS	K1PNQ		KB7AK	KC5TGT
KG7E	W4ID	K4ED		KC0AUY	KC5TT
KJ2G	W7DN	K8KFJ		KC3AK	KC9TTR

KC9UL	W2ACY	90	N9UDX	WK3N
KD0QG	W2CVW	AA0LM	NE2U	WV8O
KE6AZX	W3ACO	AB4WL	VE3VCF	XE1SOV
KE6UMW	W3GP	AB9DU	W0HRO	
KE8RPJ	W3HZU	AF5BG	W1HY	87
KI0J	W4BP	DL1SMA	W2JEK	AC0A
KK7MNC	W4LIA	JH4JNG	W2OK	AG4I
N2BX	W6NS	K1HC	W4ZMM	K4JC
N2YTF	W8JV	K1KA	W6VNQ	K5UZ
N3AO	W9HBH	K3CWF	WA7SDI	K5WO
N3ZBK	WA3JKB	K3UAL	WB3IAL	KB1VUN
N4GOA	WA4EEZ	K4AAP	WM6Y	KC8NAH
N4YHC	WG8E	K4FTP	WQ5C	KE6WOX
N7EGY	WM3O	K4XZ	WR5AY	KI6RRD
N7JI		K6UIP	XE2NL	N0ELA
N7KSI	91	K8EAB	XE3DX	N2CJN
NA9D	AA0CW	KA5TJI		NE5S
VA3JFF	AD3Y	KB5FHK	88	NI5F
VA7QI	CO2WZ	KB7BSA	AA4QE	NN7RM
VE3WMD	HB9ALO	KK4DZP	AE0DX	W8GOC
VK5PJ	JL1UXH	KW3DX	AE4OF	WB3IGR
W0MHK	K0CFI	N2ULL	AF4MI	WB8JAY
W2VTV	K1UR	N4BRF	K1RS	WF4W
W3ZGD	K4SPA	N5BA	K3TN	
W4VG	K6YK	N9JJ	K4XD	86
W5DMT	K7HPN	VA3XOV	K7CTV	AG1T
W7EIR	K8OI	W9CPV	K7WV	K7FB
W7TRX	KB2YWU	W9CSY	K7ZYV	KA9OKH
W9IFW	KB3IAI	WA2BEV	K9JF	KB7JJG
W9NED	KB3NDS	WA8OJR	KB2KIR	KI6HQT
W9WI	KB7AZ	WD9HCF	KC1GWX	KN4MMH
WA5ICA	KC5POV	WE7H	KC3MLC	KP4TB
WB5CON	KC8LGL	WEST SEATTLE AMATEUR	KC8EVR	KT1R
	KE1IU	WH6LE	KI2D	N2NF
92	KE7RTB	WM7C	KI4RFM	N3MVF
K1EY	KG4QWC	WT4C	KJ4KW	N8TFD
K5GDX	KI3O	XE3/K5ENS	KQ4AJI	NZ3O
K5TDA	KI5BLU		KU4S	SV1RK
K7FU	KM7N	89	N0OK	UT9FJ
K7HKR	KM9I	AB1TZ	N1CEO	VA3MDB
K7UWR	KQ6K	AG2AA	N2MKT	VA7LM
KB0PQP	N3PPH	AG7NR	N2ZN	VE7IRU
KC4JNW	N3WCM	G4NBS	N4CAG	W8IW
KD4QMY	N6DW	JQ1TIV	N4GN	WA1PMA
KE4WBO	N7CZ	K4BMM	N4KIN	WB4GCS
KG4URP	N8DEZ	K5CX	N4UC	XE2AU
KR7X	NR4J	K5JAZ	N5VBK	
N2SG	NU4N	KA0MWA	NS3X	85
N3GH	VA2BBW	KF4TVL	NT4TN	AC3KE
N4VN	W2SUB	KI0G	VE2VLJ	AC9GK
N5QO	W4MLN	KI4FW	W2BZR	EI3IO
N6FD	W5KDA	KI4US	W3YX	K1UU
N6RPM	WB0NRV	KR4U	W4DL	K4LRP
N7DED	WB7X	N2GZ	W4RXR	K5MJP
NS6E	WC4V	N5KAE	W7HDD	KB3MXK
UT5JAJ	XE1GZU	N8YSZ	WA2BTR	KC0V
W1PV		N9RG	WA5MD	KE4DRF

KK4AND	KG4KVZ	76	W1YM	57
N2RJ	N1SF	K0WYN	WD4LBR	IK1ZOF
N4LS	PU8TEP	K6MAA	YL2JZ	JL3MCM
NJ1Q	W5DAS	KI4CYB		N5LJL
NM4SH	W7YOZ	KI7WXP	68	WD5GRW
VE3GFN	W8GG	N1GNB	AA4S	
VE7DAY	WA2ONG	N2MH/4	EH7CD	56
W1WV			K6CF	HB9HIT
W3STU	81	75	KJ7TEA	KI5WA
W4IT	AB4I	G4RGK		LU8ADX
W4RA	DF3CB	K3PP	67	NI6T
W6ST	KE4DZU	K6VHF/HR9	JG2TSL	
W7SIR	N6MM	K8QM	KF4JHG	55
W8DQ	N7NEV	N5GH	KK4YEL	LA3MHA
W9QY	NI4Y	NP3YL	W7YED	SP5APW
WA4WKL	W3MC	W4LVH		WA2EMF
WD4LSS	WA4ZXV	W5UC	66	
WF4R	WA8ZNC	WP4NEG	K6KLY	54
		ZL3AAU	UX1UA	AG4KI
84	80	74	65	JR2SQZ
CT3FT	AC6BW	AK8B	JA1XEC	53
DS2JJV	K7FR	CX4AAJ	K4IM	K0BBC
K4EZY	KE4PT	KF2TI	K5EJ	PP1CZ
KE6NDG	KR4Q	LU4FPZ	N7UJJ	
N1KI	KW1DX	VE6SO	OK1MP	51
N2NWS	N2NS	VK4CZ	W4CCS	CT1ETE
VE2WBK	VY2HF	WC6DX		N8OFS
W8PU	W2DEN		64	OH4UI
W8SGR	W5TTY	73	K3BQ	VE9FCP
ZS6NK	W7AM	JF1IRW	WD5GRW (EM13QC)	49
		VP2MJD		HB9RUZ
83	79	W4WT	63	
AA6E	JF1LMB		EA1DR	48
K1LH	K4RW	72	HL2EIZ	G8BQX
K4SQC	K5JBT	N4II	KB0RFY	HL2IFR
K8SIA	KB4DSL	PV8ADI		JA9KRO
KB3HHA	KP4N		62	K0BBC/R
KB9LIE	N2COP	71	K4DXA	KI5KC
KK7BV	N5YJZ	K0GW	N6ZDH	N6DBF
KU4WW	N9RC	K4GK		NP3IR
N5PD	VE3CFK	K5WPN	61	YL3HA
N6KTH	W2GW	NP4TT	CU3AN	
SV2AEL	W2SKI	W2YR	K4MLB	47
TG9AKH	WN0L	W3FGP	N0GVK	HB9RYZ
W7USB		WC5M		JE1VTZ
WD6T	78		60	N6PAZ
WD9IOK	IZ8EDJ	70	HB9BIN	
WI6Z	K2QPN	GI4SJQ	KP4JFR	45
XE1MM	SP5QWB	K4BNC	S55DX	JA6WJL
	TG9AWS	KC0ZRX	UR9QQ	K4TXJ
82	W4NE	N6GEO		
AD4IE		W2QO	58	
CB0ZA	77	W4GP	KC6NBI	44
K3RJK	K1IFJ		SV8CS	DM2RM
K4JMX	MI0AYR	69	WA2MUA	WO3T
KA5WSS	US5WE	K3WGR		XE2YWH/1
KC5YKX				

43 8P6SH CT1EEN HB9AOF K4ZIN LA6OP	31 K7TM	PY5EW W8LR	HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB	7 DL1TRK G8APB GM4KHE IZ0INX JA2NDQ LA3DV N5ORT NJ4Y UR5FEO ZS4TX
42 HA5PT	30 E72X JO7WXN WA6DNR	19 DL1TS EA6BB JE2UFF JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ KA5WRG PY2DV PY2GM	6 CT2FEY DU0A EI2JC IK2GOQ JA7NGE PY2VA
41 E75AA	29 HL2WA OE4VIE			
40 JR0QFA WB8TGY	28 CT8/K0RUI E70A JA6CRP JR7ILA K0FMI OH3DP	18 AJ6V KJ4EU W0HBH		
39 AA5PK		17 G3LZQ PY2XAT SP5XMU SV8CKM		
38 DD3KF DG7RO DU1EV HL4GAV K8YSE	27 KC9ELU WP4NIX	16 N6VHF TI2CDA	10 DL4CF HB9BOS JH7IMX JH8RZJ JI2UDK PA5KT SV2DCD TF3Y UR7DWW	5 DL5LH EA1AAA EA7ZY G6MXL IK8GYS JI5USJ JJ1IDW M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ
37 BA7NQ DS4AOW HL4CJG JA9APS JH9DRL OE3SGU	25 EA4/K1WE	15 9K2BM EI2GLB HB9FMN LU5FF PY2RN UT3UA WC2C	9 DL7BA EB1EWE EC7ZK G6BFP HB9GWJ IK3ITB JA1MZL JA2FGL JE1LFX KD3UY S51NM	4 CT7/RC2A DD6UAH EK/RX3DPK F1DFR GM4CFS IV3GOW JH7IPR JK6DXD UT5EL VK4ZP XE1SAX
36 JA1WSK	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY	8 DF1ZN DH0GSU DK2LO G1VDP JA1CPU JE3PCP JG1JPE JJ2NWI N8RO OH8LXT	3 DJ5AV DL2KQ EA1AR
35 GI4OWA LU9DO UR5WA	23 GM4ILS K4SLC KP4EIT W8MK			
34 G4SEU JL3LSF LA2QM	22 9H1SP IZ3ENH	13 JA2LWD K4AKX K4WY PY2MC W4PWF		
33 W8GC WB4SON WB8TGY (EN72)	21 EA1YN	12 EA3GP F4ESV		
32 N3LRH SM6WET ZL3TE	20 CX1FK I1FQH JM1KVV N1WC			

EA4D	9A2EY
G3LHJ	AJ6T (EM66)
G4DDL	BD4UJ
HA9PP	CT1AHU
HL2ZN	DH8BQA
IK0WRB	DJ3ZF
IK8EPC	DL2DCX
JI1CHH	DL4ZAB
JM1GHT	DL8GAM
JN1BPM	DS5DNO
JR6IQI	DS5TOS
KC0Y	EA2AA
PY5IP	EA3WD
SA7CJO	EA4GQS
SV1VN	F1VEV
US0YA	G4CFS
W1CBY	G4VSS
WD9EWK (DM43)	G7SQS
YB1TJ	G8TTI
YL2CA	IK5BSC
YL2MU	IW0AFS
	IZ0BTV
2	IZ2CSX
5B4ALJ	IZ3DBA
6K5XZE	IZ5FSA
9A2GA	JA1GZK
9K2NO	JA7DPC
BV6CC	JA7VXB
CO6CBF	JH8XVT
DF3VG	JI1HNC
DF8FT	JJ1PFC
DK1CO	JL2ULM
EH4BPJ	JN3ONX
ES8JX	KC3KJQ
F5TMJ	KG4JSZ
G0THY	KH6WI
G8GNI	KP4DER
GI4ONL	MM0INH
IK1IYU	OK1UU
IZ8XQC	ON6NA
JA6AVT	OZ1IKY
JA6SZV	PU5SVE
JA9FAI	SM3GBA
JH3MHI	SM6LPG
JP1HDK	SP7EXY
K4KZM	SQ5NRY
K7LY	UN8G
KEN IN NEBRASKA	UR5EDX
LA2CQ	VR2VGM
OH3KAV	WB7VUF
SV1XV	YO8WW
SV3FUO	
YB2DX	
YL2KF	

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3A2MW