

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 (01 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	W5VY	K5XI	466
K0SIX	W5ADD		N4SIX	KA0JGH
K0TPP	W5AFY	484		KB6NAN
K1TO	W5AJ	AF5CC	475	N4QS
K1TOL	W5EME	AI1K	ND4X	NA6MG
K4PI	W5FF	WQ0P		WX7M
K4XO	W5KI		474	
K5ND	W5OZI	483	K7KQA	465
K5RK	W5TRL	AC0RA		N4JQQ
K5UR	W7GJ	W0VTT	473	
K5WE	W7JW	WA7HQD	NQ7R	464
K7BG	W7KNT	WB0ULX	VE3EK	KB9OWD
K7CW	W7MEM		WB0O	
K7ULS	W9FF	482		463
K8SIX	W9JN	K0BJ	472	KB8VAO
K9CT	W9RM	N4WW	KB7ME	NI0G
KA9CFD	W9XX	W9RN	N7BAV	W3UUM
KA9FOX	WD5K	W9VHF	WD8JJA	W5XC
KD5M	WQ5S		WE9R	
KG5CCI	WS9V	481		462
KM0A		KC7QY	471	N6ORB
KM0T	487		N9PGG	
KO9A	K7MAC	480	W0RH	461
KR7O	K9YY	K5GZR		NA9RB
KV5W	N0AKC	KC7V	470	W3UR
KX4R	N7CW	N4TB	K4SO	
N0LL	N7IR	N5EKO	K5RT	460
N0LWF	N9ISN	XE2OR	W07R	K5OMC
N0PB	NA6L			K8ZM
N0TB	W3IP	479	469	KF0M
N1AV	XE2CQ	N7ZO	AJ4F	
N3SL		W5WVO	K4MY	458
N3XX	486	WB9CIF	K7PI	K9NW
N5DG	KY7M		XE2K	KG5THG
N5NA	N0KE	478		N9BCA
N5OMG	N7KA	AD1C	468	NE1B
N6JV	W5ZN	AE5B	K9MK	
N7NW	WD5COV	K6ZH		457
N9LB				K4HB

W9WO WB7CJO	W3LL	429 K5TA K8ZR WA5JCI	K8JH W0GJ	404 KF9UG N2ZX NH6T/W4 VE4EAR W5SUM
456 AJ4A	443 AB4IQ N4MM	428 K9APW	414 K0DEQ K2TER KM8V N0GZ W4TV	403 K6VHF
455 KF8MY WA9DU XE2X	442 AG9S K4ZOT N2QT N4TL NJ6D	426 N5OK NE6I W5JAY	413 WA9LFO	402 K3FM
453 K4YMQ K6EID N9FN	441 K8TB K9KLD	425 K6ML	412 KT8O VE2XK 6M FN07PJKM3V	401 K4CKS
452 KK4MA KV7N N5BO N8YO N9BX	440 AE5FM W2IRT WB8BPU	424 K6JJ N4UFP N9AKR W3EP W5PR	411 N1EVK N9EAT WR7X	400 W0JRP W7FI
451 K1HTV K5WBM KD3CQ WA1EAZ	439 K8ROX N4QWZ N5TJ NM5U	423 W4DR	410 K3UA KB0V KE7SW KI8G	399 N3PS NN4R
450 NE9U W0MU	436 NZ3M W3TC WB8ART	422 VE6WQ WB5JID	409 K5PI N5SYV N9JR VE3DS	398 N8IEZ W1NG
449 KF6HI N8OC W8TN	435 KF6A	421 NP4EI/W7	408 K7SMA KZ2I NY1V W7BA WA1NLG	397 AB4EJ KE4TH KI0E W8LMG
448 K4XP KP4AJ W3LPL WB8ZBT	434 AA1ON K1SIX VE3LYC	420 AD5A	419 K7NN W0GN W5AL	396 AB4SF AG4W KB8U N3OC
447 AH0U KS7S N2NL N4SC	433 AB9BH KE8KMX WW1L	418 N4UFO	417 AA5JF N4HN	395 AA5XE K0AZ K5XM KF7CQ WB4EVH
445 KG7CW KU7Z N4LR	432 K3FRK K6GXO N6KK	416 AC9DX K4RWP K7ND KO4MA NI0P	407 W4AS W5CIA W7YAQ	394 K6RO
444 K4SSO	431 K0TLM	415 K7AWB	406 AK3E K6FG K8EB	393 K7XB K7XC KD5XB
	430 K0DD K1TEO		405 AA4SC K1GG K5CKS	

392 AF4HX K5HPT W6OMF	378 KR4BD	364 AB5EB K0RAR K5KEW N6QQ	W0KKK XE2ML	W5VAS WB0OQV
391 W4AVY W6TMD	377 AB1OC NT9E W1DYJ	363 VE7BV W1JR W4NH	351 W7IMC	338 AI9L NA5Z VE3SXE W4MAY W9XA WA5KBH
390 WF7T	376 K8GI K8VFX	362 KB1EFS WA5OLT	350 N6VI WB4KTF	
389 W5MO	375 K6QG WB4OQX	361 K8BL K9NR N1KDO N8KOL NG4C W4ER	349 K1GJQ KA0BAD	337 K8ZES W9EWZ WA5RT WW0E
388 K0IP W4WRL	374 K0TT KV7K N6GP N7DB	360 K6UM (CN85) W0NOZ	348 N1JFU NJ7G	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA WO9S
387 KV4T N0FJP N4CH	371 AA4ZZ WA6BYA	359 AA4FF K0CAO	347 W2HRO	
386 JA7QVI N7IJ W5TFW W7AH WE4S	370 K5TN KG8P KN4SM KS4YT N3MK NN9X NT0V W4FC	358 K5RLA	346 N9XG	
385 K0JDD NK1K VE6MB W4WTA	369 K0VG KF8UN N2DPF	357 K4LVV WA9PWP	345 AA8SW W3XY XE2YWH	335 AK0MR K5FUV K5FZ K9QVB KB4MRX KN4NN W9GKA
384 K8ROK N2WK W8OP	368 N4JP W5RCI W6GMT	356 K7PT	344 K6FW KB0PE W1OW	
382 N8LRG VE3YXO	367 KC4HW	355 AA4FL N3AIU (DM45)	343 K1ST K5EK KK0DX N3RC N3YT N6KZ N8HRZ	334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC W3ATV WB5TOI XE1YY
381 NK0S W3VZ	366 KI7JA	354 KE8Y NP4EI NU6S	341 KD7DCR N9LF NX7U WA7YAZ	333 AA4LR K0TC KM4HI N0IGZ W3GQ
380 K7MCX WA5LFD	365 K4JJW K6EME WA7PDC	353 AF2K K0CS	340 N0AN WA9M	332 AA7UN N4JDB N7KDT VA3IKE
379 N8WNA		352 K7LOL VE3XN	339 KE4BKL N2ZZ VA7FC	

W9GM	W8KEN	K4NNX	W7IB	291
331	WO2T	KA2GOJ	W9OBG	W1WHL
K0SRL	322	N3KN	WB0TVY	W2CCC
K8WDA	JG1TSG	311	300	WI7P
KC0UDO	N3ALN	AC9S	AA4V	290
N4MW	VA6SZ	KS4XQ	CT1EEB	AF2F
W3TI	321	W2BZY	K0PHP	VE6TA (DO33)
330	N0LD	W5DB	KB6VFC	WA8EFK
KB8MBC	N7RO	310	N1RR	289
KG6AY	NC7B	N1NK	WA2BAH	K2BLA
W8PI	NS4C	W9KVR	WX2S	K4MM
329	W9VA	WO4DX	299	K9FA
AA1QD	320	309	KX7L	N5BCA
N2JJ	KG5EIU	AA9RR	VE6WK	NQ7G
W2OR	N4DW	308	W1LE	W4LTJ
W8WG	319	WA4HFN	W8UV	288
W9DCT	N7US	307	WB5GVY	K1NU
WX4G	318	AG1A	298	W1DU
328	W4HY	KE5K	K0MLD	W4HLR
K6ME	317	KS4S	KD4WSC	287
N5PT	KA8SYV	W9RPM	KK8MM	K8DP
W2CNS	W1SKU	306	N4IQ	KC7MRQ
WB3LHD	316	K4QE	W0JM	N8CGY
327	DK8NE	KL7HBK	297	W7CT
KJ5RC	K3FN	WV9L	N8YQX	WA4NVM
N0YO	KA0ABA	305	296	286
W2JU	W4UCK	K3VAT	K4XR	CT1IUA
W7YA	W9BWR	K6UM (CM88)	K6YUI	285
326	315	KT1J	KC7RW	AB0S
K2ZD	K0PG	N4SV	XE1EE	K5CZD
K6LMN	K5VH	304	295	K9UO
K6TDI	KM3T	K6IPF	KE4P	NS7K
NG7M	NY2NY	NS4T	N6AR	284
W0PR	WA8ZID	WA0GUD	N7NT	AB0RX
W3HDH	XE1AO	WA8MCD	294	AD4ES
W7JLC	314	303	K6JSV	K0KP
325	KU4XO	EA8DBM	293	K4DET
KF2T	313	K8TGC	K3AX	KL0S
WA2AEY	JE1BMJ	K8TL	K4KJZ	NJ2F (EL96)
WX0Z	N6NR	N7LAN	N4JJ	283
324	N7UVH	302	N4MI	N5OHL
HC2FG	NF4A	K2UU	W2GKR	NA5DX
K9SH	W4GLV	KB2TGU	W4VC	WA0FQK
KU4A	W5RKN	301	WA2IIE	WB0CQO
N2BJ	312	N0HJZ	292	282
VE3TMG	AF6O	W3SW	KJ6P	AA0ZP
323			N4ST	K1DT
N8II			W1SSN	

N8JCM W4WM	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		248 K1ZZ W6VFA
280 N0KV NM5Z W1FKF	271 K7NII KB7FUV W3HHN	263 AK4PR K0NO K7MDL K9AAA WB7QBS	256 JM1IGJ KL7NW KN4PPD N8ZJN	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 K3HPA TG9AJR VE3MSC WB8EJN	258 AB5GU K1NJ K2HAT NA2NY NA5C WB7ECS	251 AD5JK AE4WG K9QJ KG7NV NN4SS W2LV	242 IT9IPQ K3WW KA3TCC VE3SMA
274 K8YC KB1DMX			250 AA9LC KS9J NW6R	241 N6NU W5LO
273 KM4H				240 KK4ZUU KO6LU VA3HP

W1VT WA2VJL	230 K1ZE KO4MM VA3XJ WB0WAO/8	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	VE3SYK WA7AJ	KB0LYL NA5Q W0BNE W4EJG XE1J
239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD	229 GD0TEP K6RG KB9RUG KC0VDY KD5IKG KE4UW N4NX NN5DX W5LUA	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	213 K3DFL KI6X W0NBC	205 AF4OD K3LL K8SD KE4HOA N5ITO W8QID
238 AA3GM JP1LRT W1MJC			212 AB5C JF8QNF KF7NN N1SV N2OA	204 KO0Z LU2DX WA3DRC
237 K3KO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	220 K7BTW N7XCZ	211 K9FOH KD3HN NE8S PV8BR W2ZDP W5HNC 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	
231 K4MIJ K6HEW KF6GYM W9XT	223 K7UA N2ZA NJ7A	214 JA7MSQ KB9PJL KC7OD	206 AB0CT AK4Y CT3MD DJ5FI K4GHS K9YC (EN61)	200 4A2MAX K4YJ K5DB K6ZZ LU4FW N7PHY N9AG

VA3VU WB2AA	W6MTR W8FN	184 AF5Q K0DEW KR4M N1IBM N3FX N4BG N4DTF	JR2LJO KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT W0ZY W1MAD WY7FD	172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC
199 N3KfV W4OEP WB0YEA	191 K0ITC K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	183 K5RQ N0UBL W2UDT WC4H	177 AG4ZE K2QQ KI4BWW NY4I SM7FJE W5ZG WA8UEG	171 AA4PB HP2AT JA6RJK KC5GSK KC5YCH KI4TZ NS3L W1PX W6IA WA2KBZ
198 4O3A AC8TO N0UK N7EPD W8DM WA7KYM	190 K5ER KC2DLD N9UA W1ATV W2OO W4GE W8SP WB0DBS	182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I W9JJ XE1CL		
197 I0WTD K3EGE N4BAF W3TW W5CTV	189 AC0W KC0MEA WA5VKS	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N9MSG NY0A W4RBO W9BS WJ1B	176 AD5ZA EA5BY JA1OVD K0DI KX9X N5QGH N8URE (FM19) N9ARX NP4BM W5AFD WA5IPS WW2R	170 K9TVG N8CN NA2U W0PE W4IH W4JKC WK3V
196 K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M			169 K6XC KD5OMJ N2BEG N5XES VE3HHT W8KNO
195 AA4W K2WJ K6VDP KG6WIK	187 AA8R KQ0J N2WM	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 IZ8FFA K3MD NE5TX	168 KG5ZMQ W2PD W8WEJ W9HT
194 K2MRK N3FA N9NFT WF1H WK8A	186 K8PT K9SG KN7K N0XLR N6ZE	179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	174 K6WRL KC0IYT KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI	167 K4MQG KB1YNT KB9REV KE5EP N0NHW NO0T TG9ADQ W1BAT
193 K9AB KC5N KD2NF	185 AD6W KD5BQT KU4UC N8XE NA2R PY5CC W3OU W5BPT XE1R	178 HB9EFK	173 IC8TEM K2ZZ K5YPV KE4SCY	166 JA3LZS KC2GHT N5VU
192 AA6AA N1LF N2NB N3CAL N3NR N4LXB N4TV				

NA1VT NC4RY VA3WEB WB4KXS	W1EME W4TTO WB8NUT	N1NUM NU1T UT7QF WO4G	N4HID VA2RC VE1VOX	N1EN N3VOP NJ0U VA3FLF VE3KY W4GPM W4TUN W6DQ WA4KXY
165 K4DXT KD5HPT W0RIC	158 K8CR KI0D N2CG	151 W1ZT W2DXE	145 KD7YZ V31MD VA3TTX WA4JA	
164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	157 K4FX KB8GC KC2WUF WA7NB	150 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 WL7OU	153 AA4NC AB4GG K7AD K7ZD N1OFZ N2ADV N6DHZ W3DQS W5FI W9DHI W9ILY WB5ZAM	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
159 G0OIL K4MZ NS7B	152 AA6I N0RC	146 K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY	140 AC5DK BA4SI CO2WF K7SAM KC0MEZ KC8TMU KJ4KVC	135 CU3EQ K4MWB K8ZIZ LY3W N4DB W6BXQ WB8BZK

WW2DX XE1H	WW5W	124 K0DLW KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N8MR N9AZZ PV8AAS W1TAM W3KN W5KMK W6SCQ W7YM W9CDL	WB9TFH	W6WE WA1TBV XE2PXN
134 AB1NS AB4GE C6ABB GM4UYE HK3W KE5FXE KF6UFO N3AIU (DN70) N8GOU W4TKI WA3WZR	129 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR		120 EA1YO K2CYE K4AU K4CGY KD0R KD4MZM KD5BRF KE4SCY (FM06) N3YPJ VE1JC VE3XK WA6RAY WD4OHD	116 EA4DEI K4RGN KI6QDH KU5B NOVR 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 W2ZZQ W4ALF W4UFO W5DWA WO2C WX4US
131 K3NAT KG9R KT3X N2CJ	126 KJ7G N0BDS N7DGI WB4HUC YL2AO			113 AB4PM AD5MD HB9BZA K3DQB KD4BPZ KD6VCD KM5OL N3JDQ N4YCI N5YK W0BM W8MSP W8VW WD0ENC WU3U
130 AB0X G4BWP K0GUR K4JKB K8LG KC4NX NG9R NO8D VE1DX VE2TZT W0PHX W2LES W3FEY WA2SEI WB4YDL	125 AA7DK K3PU KC5DRI W2AJM W3UQH W4DFU WA6POZ WB4OMM WE1P	121 AE1P K0MFI K4HBI KB2WAL KB5MH KE4JFS NE0P/9 UR0MC W8DN	117 AB5J K4WS N4USG N5JEH* N5LPT NA7L NU6V	

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

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
KK0CQ	WA6OSX	K8ME	KD4VRZ	KC9UL
KY0Q	WA9LEY	K8VD	KE3WM	KD0QG
N0JJQ	WB8RVK	KD7WH	KF0LA	KE6AZX
N1JHJ	WB8ZTV	KD8DR	KG4NLZ	KE6UMW
N3LRP	WE8L	KD9ZR	KU4JZ	KE8RPJ
N5TEY		KI0SK	KV3W	KI0J
N8AID	96	KW9U	N0LNE	KK7MNC
NO5X	AD5OW	N1XK	N0LP	N2BX
NO8R	AE4TQ	N2SLO	N2SU	N2YTF
VA3VF	AK4F	N2WLS	N3JBH	N3AO
VE4XTZ	K2CK	N3WAV	N3XBG	N3ZBK

N4GOA	WA4EEZ	K4FTP	WQ5C	KE6WOX
N4YHC	WG8E	K4XZ	WR5AY	KI6RRD
N7EGY	WM3O	K6UIP	XE2NL	N0ELA
N7JI		K8EAB	XE3DX	N2CJN
N7KSI	91	KA5TJI		NE5S
NA9D	AA0CW	KB5FHK	88	NI5F
VA3JFF	AD3Y	KB7BSA	AA4QE	NN7RM
VA7QI	CO2WZ	KK4DZP	AE0DX	W8GOC
VE3WMD	HB9ALO	KW3DX	AE4OF	WB3IGR
VK5PJ	K0CFI	N2ULL	AF4MI	WB8JAY
W0MHK	K1UR	N4BRF	K1RS	WF4W
W2VTV	K4SPA	N5BA	K3TN	
W3ZGD	K6YK	N9JJ	K4XD	86
W4VG	K7HPN	VA3XOV	K7CTV	AG1T
W5DMT	K8OI	W9CPV	K7WV	K7FB
W7EIR	KB2YWU	W9CSY	K7ZYV	KA9OKH
W7TRX	KB3IAI	WA2BEV	K9JF	KB7JJG
W9IFW	KB3NDS	WA8OJR	KB2KIR	KI6HQT
W9NED	KB7AZ	WD9HCF	KC1GWX	KN4MMH
W9WI	KC5POV	WE7H	KC3MLC	KP4TB
WA5ICA	KC8LGL	WEST SEATTLE AMATEUR	KC8EVR	KT1R
WB5CON	KE1IU	WH6LE	KI2D	N2NF
	KE7RTB	WM7C	KI4RFM	N3MVF
	KG4QWC	WT4C	KJ4KW	N8TFD
92	KI3O	XE3/K5ENS	KQ4AJI	NZ3O
K1EY	KI5BLU		KU4S	SV1RK
K5GDX	KM7N	89	N0OK	UT9FJ
K5TDA	KM9I	AB1TZ	N1CEO	VA3MDB
K7FU	KQ6K	AG2AA	N2MKT	VA7LM
K7HKR	N3PPH	AG7NR	N2ZN	VE7IRU
K7UWR	N3WCM	G4NBS	N4CAG	W8IW
KB0PQP	N6DW	JQ1TIV	N4GN	WA1PMA
KC4JNW	N7CZ	K4BMM	N4KIN	WB4GCS
KD4QMY	N8DEZ	K5CX	N4UC	XE2AU
KE4WBO	NR4J	K5JAZ	N5VBK	
KG4URP	NU4N	KA0MWA	NS3X	85
KR7X	VA2BBW	KF4TVL	NT4TN	AC3KE
N2SG	W2SUB	KI0G	VE2VLJ	AC9GK
N3GH	W4MLN	KI4FW	W2BZR	EI3IO
N4VN	W5KDA	KI4US	W3YX	K1UU
N5QO	WB0NRV	KR4U	W4DL	K4LRP
N6FD	WB7X	N2GZ	W4RXR	K5MJP
N6RPM	WC4V	N5KAE	W7HDD	KB3MXK
N7DED	XE1GZU	N8YSZ	WA2BTR	KC0V
NS6E		N9RG	WA5MD	KE4DRF
UT5JAJ	90	N9UDX	WK3N	KK4AND
W1PV	AA0LM	NE2U	WV8O	N2RJ
W2ACY	AB4WL	VE3VCF	XE1SOV	N4LS
W2CVW	AB9DU	W0HRO		NJ1Q
W3ACO	AF5BG	W1HY	87	NM4SH
W3GP	DL1SMA	W2JEK	AC0A	VE3GFN
W3HZU	JH4JNG	W2OK	AG4I	VE7DAY
W4BP	K1HC	W4ZMM	K4JC	W1WV
W4LIA	K1KA	W6VNQ	K5UZ	W3STU
W6NS	K3CWF	WA7SDI	K5WO	W4IT
W8JV	K3UAL	WB3IAL	KB1VUN	W4RA
W9HBH	K4AAP	WM6Y	KC8NAH	W6ST
WA3JKB				

W7SIR	KE4DZU	K6VHF/HR9	67	LU8ADX
W8DQ	N6MM	K8QM	JG2TSL	NI6T
W9QY	N7NEV	N5GH	KF4JHG	
WA4WKL	NI4Y	NP3YL	KK4YEL	55
WD4LSS	W3MC	W4LVH	W7YED	LA3MHA
WF4R	WA4ZXV	W5UC		SP5APW
	WA8ZNC	WP4NEG	66	WA2EMF
		ZL3AAU	K6KLY	
84	80	74	UX1UA	54
CT3FT	AC6BW	AK8B		AG4KI
DS2JJV	K7FR	CX4AAJ	65	JR2SQZ
K4EZY	KE4PT	KF2TI	JA1XEC	
KE6NDG	KR4Q	LU4FPZ	K4IM	53
N1KI	KW1DX	VE6SO	K5EJ	K0BBC
N2NWS	N2NS	VK4CZ	N7UJJ	PP1CZ
VE2WBK	VY2HF	WC6DX	OK1MP	
W8PU	W2DEN		W4CCS	51
W8SGR	W5TTY			CT1ETE
ZS6NK	W7AM	73	64	N8OFS
		JF1IRW	K3BQ	OH4UI
83	79	VP2MJD	WD5GRW (EM13QO)	VE9FCP
AA6E	JF1LMB	W4WT		
DL5XJ	K4RW		63	49
K1LH	K5JBT	72	EA1DR	HB9RUZ
K4SQC	KB4DSL	N4II	HL2EIZ	
K8SIA	KP4N	PV8ADI	KB0RFY	48
KB3HHA	N2COP			G8BQX
KB9LIE	N5YJZ	71	62	HL2IFR
KK7BV	N9RC	K0GW	K4DXA	JA9KRO
KU4WW	VE3CFK	K4GK	N6ZDH	K0BBC/R
N5PD	W2GW	K5WPN		KI5KC
N6KTH	W2SKI	NP4TT	61	N6DBF
SV2AEL	WN0L	W2YR	CU3AN	NP3IR
TG9AKH		W3FGP	K4MLB	YL3HA
W7USB	78	WC5M	N0GVK	
WD6T	IZ8EDJ			47
WD9IOK	K2QPN	70	60	HB9RYZ
WI6Z	SP5QWB	GI4SJQ	HB9BIN	JE1VTZ
XE1MM	TG9AWS	K4BNC	KP4JFR	N6PAZ
	W4NE	KC0ZRX	S55DX	
82	77	N6GEO	UR9QQ	45
AD4IE	K1IFJ	W2QO		JA6WJL
CB0ZA	MI0AYR	W4GP	58	K4TXJ
K3RJK	US5WE		KC6NBI	
K4JMX		69	SV8CS	44
KA5WSS	76	K3WGR	WA2MUA	DM2RM
KC5YKX	K0WYN	W1YM		WO3T
KG4KVZ	K6MAA	WD4LBR	57	XE2YWH/1
N1SF	KI4CYB	YL2JZ	IK1ZOF	
PU8TEP	KI7WXP		JL1UXH	43
W5DAS	N1GNB	68	JL3MCM	8P6SH
W7YOZ	N2MH/4	AA4S	N5LJL	CT1EEN
W8GG		EH7CD	WD5GRW	HB9AOF
WA2ONG		K6CF		K4ZIN
	75	KJ7TEA	56	LA6OP
81	G4RGK		HB9HIT	
AB4I	K3PP		KI5WA	
DF3CB				

42 HA5PT	WA6DNR	JE2UFF JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)	11 A65BR DL2OE EA4DAU EA4ZK G4CTY IZ4GWE JA2KVB JA6QHQ KA5WRG PY2DV PY2GM	NJ4Y UR5FEO ZS4TX
41 E75AA	29 HL2WA OE4VIE			6 CT2FEY DU0A EI2JC JA7NGE PY2VA
40 JR0QFA WB8TGY	28 CT8/K0RUI E70A JA6CRP JR7ILA K0FMI OH3DP	18 AJ6V KJ4EU W0HBH		5 DL5LH EA1AAA EA7ZY G6MXL IK8GYS JI5USJ JJ1IDW M1VPN MU0GSY OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR W2ZF YL2CZ
39 AA5PK		17 G3LZQ PY2XAT SP5XMU SV8CKM	10 DL4CF HB9BOS JH7IMX JH8RZJ JI2UDK PA5KT SV2DCD TF3Y UR7DWW	
38 DD3KF DG7RO DU1EV HL4GAV K8YSE	27 KC9ELU WP4NIX	16 N6VHF TI2CDA	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
37 BA7NQ DS4AOW HL4CJG JA9APS JH9DRL OE3SGU	26 WB7QXU	15 9K2BM EI2GLB HB9FMN LU5FF PY2RN UT3UA WC2C	8 DF1ZN DH0GSU DK2LO G1VDP JA1CPU JE3PCP JG1JPE JJ2NWI N8RO OH8LXT	3 DJ5AV DL2KQ EA1AR EA4D G3LHJ G4DDL HA9PP HL2ZN IK0WRB IK8EPC JI1CHH JM1GHT
36 JA1WSK	25 EA4/K1WE	14 EA8MT IW3GJF JA2XCR KB8DVT PA7RA PV8RR PY2OC W9TTY		
35 GI4OWA LU9DO UR5WA	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB PA7TWO	13 JA2LWD K4AKX K4WY PY2MC W4PWF		
34 G4SEU JL3LSF LA2QM	23 GM4ILS K4SLC KP4EIT W8MK	12 EA3GP F4ESV HB9DDZ IK2RPE JK1UNZ JN1RQV N1IW ZS6WB		
33 W8GC WB4SON WB8TGY (EN72)	22 9H1SP IZ3ENH			
32 N3LRH SM6WET ZL3TE	21 EA1YN			
31 K7TM	20 CX1FK I1FQH JM1KVV N1WC PY5EW W8LR			
30 E72X JO7WXN	19 DL1TS EA6BB			

JN1BPM	DL8GAM
JR6IQI	DS5DNO
KC0Y	DS5TOS
PY5IP	EA2AA
SA7CJO	EA3WD
SV1VN	EA4GQS
US0YA	F1VEV
W1CBY	G4CFS
WD9EWK (DM43)	G4VSS
YB1TJ	G7SQS
YL2CA	G8TTI
YL2MU	IK5BSC

2

	IW0AFS
5B4ALJ	IZ0BTV
6K5XZE	IZ2CSX
9A2GA	IZ3DBA
9K2NO	IZ5FSA
BV6CC	JA1GZK
CO6CBF	JA7DPC
DF3VG	JA7VXB
DF8FT	JH8XVT
DK1CO	JI1HNC
EH4BPJ	JJ1PFC
ES8JX	JL2ULM
F5TMJ	JN3ONX
G0THY	KC3KJQ
G8GNI	KG4JSZ
GI4ONL	KH6WI
IK1IYU	KP4DER
IK2GOQ	MM0INH
IZ8XQC	OK1UU
JA6AVT	ON6NA
JA6SZV	OZ1IKY
JA9FAI	PU5SVE
JH3MHI	SM3GBA
JP1HDK	SM6LPG
K4KZM	SP7EXY
K7LY	SQ5NRY
KEN IN NEBRASKA	UN8G
LA2CQ	AUR5EDX
OH3KAV	VR2VGM
SV1XV	WB7VUF
SV3FUO	YO8WW
YB2DX	
YL2KF	

1

3A2MW
 9A2EY
 AJ6T (EM66)
 BD4UJ
 CT1AHU
 DH8BQA
 DJ3ZF
 DL2DCX
 DL4ZAB