

## 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 (19 Aug 2024). 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.

<b>488</b>	W5FF	K5ND	WD8JJA	WB9CIF
AA0MZ	W5KI	W0VTT		
AA5AM	W5OZI	W5VY	<b>471</b>	<b>457</b>
AA5C	W7GJ		AF5CC	K4MY
AA7A	W7JW	<b>481</b>	WD5COV	
A15I	W7KNT	W9VHF		<b>456</b>
K0GU	W7MEM		<b>470</b>	N4JQQ
K1TOL	W9FF	<b>480</b>	N5KO	
K4PI	W9JN	N7KA		<b>455</b>
K4XO	W9RM	WB0ULX	<b>469</b>	K4SO
K5RK	W9XX		K7BG	
K5UR	WD5K	<b>479</b>	KM0T	<b>454</b>
K5WE	WQ5S	AD6D	N4TB	WE9R
K7CW	WS9V	W5WVO	N7ZO	
K8SIX				<b>453</b>
K9CT	<b>487</b>	<b>478</b>	<b>467</b>	K4YMQ
KA9CFD	K7MAC	AE5B	AD1C	
KA9FOX	K7TM	K5GZR	WO7R	<b>450</b>
KD5M	K9YY			AJ4F
KG5CCI	N0AKC	<b>477</b>	<b>466</b>	N9BX
KM0A	N7CW	NC6K	K0BJ	
KO9A	N7IR	W9RN	KA0JGH	<b>449</b>
KR7O	N7NW	XE2CQ	KB6NAN	KF6HI
KV5W	N9ISN		N5EKO	W8TN
N0LL	NA6L	<b>476</b>	WX7M	
N0LWF		KC7QY		<b>448</b>
N0PB	<b>486</b>	KC7V	<b>465</b>	XE2K
N0TB	K1TO	XE2OR	ND4X	
N1AV	KY7M			<b>447</b>
N3SL	N0KE	<b>475</b>	<b>464</b>	K4HB
N3XX		KX4R	KB9OWD	KS7S
N5DG	<b>485</b>	WA7HQD		N4SC
N5OMG	K5XI		<b>463</b>	W3UR
N6JV	K9MU	<b>474</b>	VE3EK	W5EME
N9LB	N0POH	W6XK		W5XC
N9UM	W3IP		<b>462</b>	
ND0B		<b>473</b>	K6ZH	<b>446</b>
W0FY	<b>484</b>	N5WS	N6ORB	K6EID
W0JW	K0SIX	NQ7R		N4QS
W0LGQ	W5ZN	WB0O	<b>461</b>	NV4B
W3CP			NA9RB	
W4UDH	<b>483</b>	<b>472</b>		<b>445</b>
W5ADD	AC0RA	A11K	<b>458</b>	KU7Z
W5AFY	K0TPP	KB7ME	KG5THG	N5NA
W5AJ	K1USA	N4WW	N9BCA	

<b>444</b> N7BAV W4DR	KF8MY N5TJ NI0G	KO4MA N5SYV W0GJ WB5JID	<b>398</b> N5BO N8IEZ W1NG W5JAY	<b>384</b> AA1ON AB4SF K1GG K8ROK
<b>443</b> AB4IQ K4XP N4MM	<b>429</b> K1SIX WA5JCI	<b>414</b> AH0U K7KQA W0GN	<b>397</b> K5RT	<b>383</b> N4UFO
<b>442</b> N8OC	<b>428</b> K9APW KP4AJ N4TL	<b>413</b> WA9LFO	<b>396</b> KB8U	<b>382</b> K5PI K6VHF VE3YXO
<b>440</b> AG9S K8TB KB8VAO W2IRT W3LPL	<b>427</b> N4QWZ W3LL	<b>412</b> N2NL	<b>395</b> AA5XE K0AZ K5WBM KF7CQ	<b>381</b> W3VZ
<b>438</b> NE1B	<b>426</b> K4ZOT K8ZR N5OK	<b>411</b> K9MK	<b>393</b> K7XC KK4MA W4TV	<b>380</b> K7MCX NM5U WA5LFD
<b>437</b> NY0V	<b>425</b> WA1EAZ	<b>410</b> KE7SW KI8G	<b>392</b> AF4HX K7SMA VE4EAR W6OMF	<b>379</b> N8WNA
<b>436</b> K3SX K7PI KD3CQ W3TC WB8ART WB8ZBT	<b>424</b> N4UFP N9AKR W3EP	<b>409</b> N4HN	<b>391</b> W4AVY	<b>378</b> AA5JF K8VFX N2WK NJ6D
<b>435</b> K9KLD KF6A	<b>423</b> AJ4A W5THT	<b>408</b> W7BA	<b>390</b> NA6MG	<b>377</b> K6QG WB4OQX
<b>434</b> K1HTV N9PGG	<b>422</b> VE6WQ	<b>407</b> W4AS W5CIA	<b>388</b> K0IP	<b>376</b> N1EVK N6GP N7DB
<b>433</b> N9FN W9WO	<b>421</b> K8ROX WB8BPU	<b>406</b> AK3E K6FG N9EAT VE2XK 6M FN07PJW4WRL	<b>387</b> K2TER KV4T N4CH	<b>375</b> K4SSO
<b>432</b> K6GXO N6KK W5TRL WB7CJO	<b>420</b> KB9DAK VE3LYC	<b>405</b> AA4SC K5CKS	<b>386</b> N7IJ NN4R W5TFW W7AH WE4S	<b>374</b> W5MO
<b>431</b> K0TLM N2QT	<b>419</b> K7NN W5AL XE2X	<b>404</b> KE8KMX NH6T/W4	<b>385</b> KF0M NK1K VE6MB W4WTA	<b>373</b> WA6BYA
<b>430</b> K1TEO	<b>418</b> K4RWP K7ND	<b>403</b> K3FM		<b>372</b> AG4W K5TN KN4SM KS4YT KV7K N3MK NT0V
	<b>417</b> K5OMC K7AWB	<b>402</b> K4CKS		
		<b>401</b> W0JRP W3UUM		

<b>369</b> KF8UN N2DPF	<b>357</b> K4LVV W5PR	<b>340</b> N0AN W8LMG	W9GM	<b>321</b> NC7B NS4C W9VA
<b>368</b> KB0V W5RCI W6GMT	<b>355</b> N2ZZ NY1V WA9DU	<b>339</b> KE4BKL VA7FC W5VAS	<b>331</b> K8WDA KC0UDO N4MW N6KZ	<b>320</b> K0VG N4DW
<b>367</b> KC4HW KR4BD NT9E W7YAQ	<b>354</b> AB1OC K0DEQ	<b>338</b> VE3SXE WA5KBH	<b>330</b> KB8MBC NK0S	<b>319</b> N7US VE7BV W4ER
<b>366</b> K17JA N4LR	<b>353</b> AF2K K0CS K8EB	<b>337</b> K8ZES W9EWZ WA5RT	<b>329</b> N2JJ W1DYJ W2OR W8WG W9XA WX4G	<b>318</b> N3ALN W4HY W4MAY
<b>365</b> K4JJW KG7CW KZ2I WB4EVH	<b>352</b> NZ3M W0KKK W1JR W7FI WA9PWP XE2ML	<b>336</b> AC9DX K5KDX K7BV K8GI K9QVB/9 VE3DS WO9S	<b>328</b> K6ME N5PT W2CNS	<b>317</b> W1SKU WA7PDC
<b>364</b> AA4ZZ AB5EB JA7QVI N6QQ	<b>350</b> AA4FL N6VI N8YO	<b>335</b> K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	<b>327</b> K6EME KJ5RC N0YO NU6S W9DCT	<b>316</b> K3FN KA0ABA N1KDO W4UCK W9BWR
<b>363</b> W4NH	<b>349</b> K8JH KA0BAD	<b>334</b> K0OOK K3TRM N3RC N4UFO (EM95) N9DR N9XG WB5TOI	<b>326</b> K2ZD K5DTC K6LMN KD5XB W7JLC	<b>315</b> K5VH KG6AY NY2NY WF7T
<b>362</b> WA5OLT	<b>347</b> KT8O	<b>333</b> FG8OJ KM4HI KN4NN N0IGZ W3GQ	<b>325</b> WA2AEY	<b>314</b> KU4XO
<b>361</b> K7XB K8BL K9NR N7MB N8KOL NE9U NG4C	<b>345</b> W3XY XE2YWH	<b>332</b> AA7UN AB9BH N4JDB N7KDT VA3IKE	<b>324</b> K9SH KU4A N2BJ N8HRZ VE3TMG	<b>313</b> K0TC N6NR NF4A W4GLV W5RKN
<b>360</b> AA4FF K6UM (CN85) N3OC	<b>344</b> K6FW KB0PE KG8P W1OW		<b>323</b> KI0E N8II W8KEN WW0E	<b>312</b> AF6O KA2GOJ WA1NLG WB3LHD WO2T
<b>359</b> NI0P WR7X	<b>343</b> AB4EJ K5EK		<b>322</b> VA6SZ	<b>311</b> AC9S KM3T KS4XQ
<b>358</b> K5RLA	<b>341</b> KD7DCR WA7YAZ			

W2BZY W5DB	KB6VFC N3KN WA2BAH WX0Z WX2S	N5BCA NQ7G W4LTJ	XE1FAS	W4QK W5DNT W7JY WZ9B
<b>310</b> AA1QD AA8SW NG7M NJ7G VA2WA W9KVR WO4DX	<b>299</b> VE6WK W1LE W5SUM W8UV WB5GVY	<b>288</b> AA4LR HC2FG K1NU N6AR W1DU W4HLR	<b>278</b> AA9D AJ4W K3JT N0LNO N8BJQ NN1N WA4HFN	<b>269</b> K1GJQ K2IE K3ZO KD5R N5EPA N5WD
<b>307</b> KE5K KS4S W3ATV W9RPM WB4KTF	<b>298</b> KD4WSC N1NK N4IQ	<b>287</b> JE1BMJ N8CGY	<b>277</b> AC7JM K7ULS K9UO NS4T PV8DX	<b>268</b> K6OJ KX7L N9ZTS W0KAN
<b>306</b> K6RO VE3XN WV9L	<b>297</b> N8YQX N9LF	<b>285</b> K5CZD N0LD	<b>276</b> K2CS K2UU K5TWJ K7TAB KE8Y	<b>267</b> K8DP KG6EG KX9N N2AMC N3PS N7UVH N8EHV W4FSO W5WP W9DRB
<b>305</b> K6UM (CM88) KF2T KT1J WA9M	<b>296</b> K6YUI KC7RW	<b>284</b> AB0RX K0KP K4DET NJ2F (EL96) RETIRED	<b>275</b> K1MAA K2NJ N4GG W0FK W8PI WA4NVM	<b>266</b> K1OA K1WVX TG9AJR WB8EJN
<b>304</b> K6IPF W4FC WA0GUD	<b>295</b> KE4P N7NT W2HRO	<b>283</b> W8OP WA0FQK WB0CQO	<b>274</b> KB1DMX	<b>265</b> N5KS
<b>303</b> EA8DBM K8TGC K8TL	<b>294</b> K6JSV	<b>282</b> AA0ZP DK8NE K5TA N0GZ N8JCM W4WM	<b>273</b> KM4H KV1J NA5Z WB0OQV	<b>264</b> AC8L K2BLA K4JAF N0TK N9JR NF1O
<b>302</b> KB2TGU W3TI	<b>293</b> K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	<b>281</b> K4OY NL7CO W2YE	<b>272</b> K0PG XE1AO	<b>263</b> AK4PR K1ST K3VAT K4XR K9AAA WB7QBS
<b>301</b> N0HJZ N2ZZ VE1JBC W7IB W9OBG WB0TVY	<b>292</b> KJ6P W1SSN	<b>280</b> JG1TSG N0KV NM5Z	<b>271</b> K4NNX K7NII KB7FUV W3HHN	
<b>300</b> AA4V K0DD K0PHP K0SRL	<b>291</b> W1WHL	<b>279</b> N3JPU W0RH W0VHF (EL87)	<b>270</b> AA8MA K4SPD KC9FQD N2LIV	
	<b>290</b> W3HDH WA8EFK			
	<b>289</b> K4MM K9FA			

<b>262</b> AE5FM K3CWH KL7HBK N4ST ND4DX WA0KBZ	<b>254</b> KF8QL N7QOZ VE3OTL WD5ITW	<b>244</b> AA9RR K8DV KD8JSP N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	MD0CCE N3FTI N9ATD W5AJX W9OO	K7HSJ KF2ZQ N8AIA W5HEZ
<b>261</b> AF2F K3TWK KB8UUZ N3EW	<b>253</b> KG4ERR N2XQM	<b>243</b> JA1QJI K3TC W4EJ YV1DIG	<b>235</b> ND0C VO1GO WB6RJH WT2P WZ9W	<b>227</b> JA1UAV K8ZT K9TF KS9A W4KXY
<b>260</b> JR1LZK K6JAD N6HC W0PR	<b>252</b> AB5A K1ACL NN4RR VE6NTT VE6SH	<b>242</b> K3WW KA3TCC N8LRG WA8MCD	<b>234</b> CT1EEB KE6FCT	<b>226</b> AF5WN N7CNH N8UR NM5S W0VX WQ6Q
<b>259</b> AK0MR KD4ADC KG6I KN5O N1RR NS7K NY1E VE6BMX W2JU	<b>251</b> AD5JK K1NJ K3NK KG7NV NN4SS	<b>241</b> N6NU W5LO	<b>233</b> K1AFC K3FRK N3AIU (DM45) N9NJS VE7VZ W3DF W8PAT XE1L	<b>225</b> AC9O K9QJ KF9UG KX9X (EN50) N2WSY N4SV VE3MSC W8AKS WN6W
<b>258</b> K1BD K2HAT NA2NY WB7ECS	<b>250</b> AA9LC K0CCM NW6R	<b>240</b> AB5GU KG5EIU KI0HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	<b>232</b> AE4WG K5FO N9NJY VE6TA (DO33) W0PPA	<b>224</b> JP1LRT K9MQ WA4YA
<b>257</b> K2KA K5QE KD4MYE N5DTT PY2XB W7CT WA2HFI/0	<b>249</b> K8AO KQ5U N1GC	<b>239</b> F4BKV KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	<b>231</b> K4MIJ K6HEW KF6GYM W9XT	<b>223</b> GD0TEP K7UA NJ7A
<b>256</b> K3WA N8ZJN	<b>248</b> CT1IUA K1ZZ W6VFA	<b>238</b> AA3GM KV7N	<b>230</b> JM1IGJ K1ZE KO4MM VA3XJ WB0WAO/8	<b>222</b> K0YY K2TV K3AJ KA1LMR KD4K W8GJ WA2BOT
<b>255</b> K8MVZ KG4JPL W0NOZ WA8KNE	<b>247</b> W1FKF W3TEF W9TA	<b>237</b> K3KO K4QE	<b>229</b> K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX	<b>221</b> K5WMH K6CQR N0PSJ N4ION N5UWY
	<b>246</b> K0DAS KK8X N5TIT W4FRA W17P	<b>236</b> K0SU K4NK KL0S	<b>228</b> K5RUS	

<b>220</b> HC1BI K7BTW	W5HNC	W9GFB W9VOB	XE2W	W6AER WA7VHF WU9Q WX9M
<b>219</b> AI9L K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)	<b>210</b> K3MSB K9YC KL7NO N6UK WQ9T	<b>202</b> K1BZ K5GJR WC7X WF8Z WQ5W	<b>195</b> AA4W JA7MSQ K6VDP KC0VDY KG6WIK	<b>187</b> JF8QNF KD3HN KQ0J N1SV
<b>218</b> K1XH K4IJQ KB8KVJ	<b>209</b> AA4IB N1TQ W5WGF WA4NFO	<b>201</b> AA7WB KC5FP KO9V KR0I NN0K WA1MKE WA9ASZ XE2N	<b>194</b> K2MRK N3FA N9NFT WF1H WK8A	<b>186</b> DJ5FI K6ZZ K8PT K9SG KN4PPD KN7K N0XLR N6ZE
<b>217</b> ND4V W4DEE	<b>208</b> AI2N CO8DM KD5HIO PV8ABC	<b>200</b> 4A2MAX N5AO N9AG NA5C VA3VU W1AW	<b>193</b> K7PT K9AB	<b>185</b> AD6W K2WJ KD5BQT KU4UC N2YU NA2R PY5CC W3OU W5BPT
<b>216</b> K7RB N0IS NE1F W5RWF	<b>207</b> JM1SZY N1BCL N8NJA	<b>199</b> JA8ISU K4GHS N3KfV NJ8J W0BNE W4OEP WB0YEA	<b>192</b> N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	<b>184</b> AF5Q K0DEW KB1HY KR4M N1IBM N4BG
<b>215</b> AL7OC K2SX KI5FJ N6KW	<b>206</b> AB0CT AK4Y K9YC (EN61) KB0LYL NA5Q PV8AZ W4EJG XE1J	<b>198</b> AC8TO N0UK N7EPD NX0I WA7KYM	<b>191</b> JR3REX K0ITC K3HPA K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	<b>183</b> K5RQ N0FJP N0UBL W2UDT
<b>214</b> KB9PJL VE3SYK WA7AJ	<b>205</b> AF4OD K8SD KE4HOA N5ITO N9ATF W8QID	<b>197</b> K3EGE N4BAF W3TW W5CTV W9TD	<b>190</b> K5ER KC2DLD N9UA W1ATV W2OO	<b>182</b> AJ6T DF3CB FP/KV1J K5GMX K8WK W2CCC XE1CL
<b>213</b> K3DFL KI6X W0NBC W8RD	<b>204</b> IT9IPQ W5LUA XE1YY	<b>196</b> K0AIZ K0NR N5DUW W2AMR XE2ED	<b>189</b> KC0MEA W3SZ WA5VKS	<b>181</b> AB9FN
<b>212</b> AB5C K6TDI KF7NN N2OA N5PA	<b>203</b> K0VSV K5HYT K5LOW N0HF N8SYF NR0Q W1RM			
<b>211</b> K8YC K9FOH NE8S VE3SMA				

K4CMS	N5QGH	KD5OMJ	<b>161</b>	K7ZD
K5HDE	NP4BM	N2BEG	K4EA	KW0A
KB8YKR	W5AFD	N5XES	KB3CWQ	N1OFZ
N3XJX	WA5IPS	N7PHY	N2YBB	N2ADV
N4DTF	WW2R	VE3HHT	V44KAI	N6DHZ
NY0A		W8KNO	VE3LC	W3DQS
W2ZDP	<b>175</b>		W4HOG	W5FI
W4RBO	N7LAN	<b>168</b>		W9ILY
W9BS	PV8BR	KG5ZMQ	<b>160</b>	WB5ZAM
WJ1B		W8WEJ	K5IQ	
<b>180</b>	<b>174</b>		WA3DRC	<b>152</b>
K0OST	K3MD	<b>167</b>		N1NUM
K4LYN	K6WRL	K4MQG	<b>159</b>	N2WM
KC1MMC	KC6ZWT	KB1YNT	4O3A	NU1T
N1RK	KG7P	KE5EP	K4MZ	UT7QF
N6PEQ	KU0A	LU4FW	NS7B	W6IA
N6VH	N1MGO	N0NHV	W1EME	WO4G
NI3K	NA2NY (ex-NA1VT)	NO0T	W4TTO	
WA5RR	NA6O	TG9ADQ	WB8NUT	<b>151</b>
	W3SO	W1BAT		KO0Z
	WA2PNI		<b>158</b>	W1ZT
<b>179</b>		<b>166</b>	K8CR	W2DXE
KU4WD	<b>173</b>	KC2GHT	KI0D	
N0LIE	K2ZZ	N5VU	N2CG	<b>150</b>
N0MMA	K5YPV	NC4RY		K1EP
NH7RO	KE4SCY	VA3WEB	<b>157</b>	N9LAH
VA3DPB		WB4KXS	K4FX	NE6I
W8LHP	<b>172</b>		KB8GC	VE3OAT
WA4QMQ	AB9KZ	<b>165</b>	WA7NB	W7APM
	K5ZED	K4DXT		
<b>178</b>	KI4PKW	KD5HPT	<b>156</b>	<b>149</b>
JR2HCB	KJ6HI	N1JFU	K2KJ	AB6CF
KA2AYR	VE2PN	W0RIC	N3RN	K4SAN
KB0EO	W4ABC		N9KO	KK9H
KB1RZA		<b>164</b>	VE7VDX	WB4VHF
KG5RJ	<b>171</b>	K2SD		
KK8MM	AA4PB	K5VWW	<b>155</b>	<b>148</b>
N1ZUK	HP2AT	KD0UHN	AE4M	AC0DQ
NQ2O	KC5GSK	KF9US	K3TD	AG0A
VA2CY	KC5YCH	W4CSW	K6XN	G0OIL
VE3NRT	KI4TZ	WK7G	N7AU	K0RU
W0ZY	NS3L		N9OBE	K7IU
W1MAD	W1PX	<b>163</b>	NY4I	KB2YSI
WY7FD	WA2KBZ	K2JF	TG9ANF	N0TM
		K2YSY	VA3NQ	N5ZBI
<b>177</b>	<b>170</b>	K3EA	WV8DX	W6VNV (CM88)
AG4ZE	K5DB	N5XZ		WB6RAB
K2QQ	K9TVG		<b>154</b>	
KI4BWW	N4GBK	<b>162</b>	AE4NT	<b>147</b>
SM7FJE	N8CN	AF4GK	KB9VMW	AF6AV
W5ZG	NA2U	K0QB	W3ZQN	IZ1LBG
WA8UEG	W4IHI	KA1R		K6PSP
	W4JKC	KD4TDI	<b>153</b>	KC1BUF
<b>176</b>	WK3V	W9JJB	AA4NC	VE3CX
AD5ZA		W9VS	AB4GG	W4YCC
K0DI	<b>169</b>	WA1Z	JA1OVD	W5WOX
KX9X	K6XC		K7AD	WA0VPJ

WA3YGQ	WR7AY	OE6IMD	K0GUR	YL2AO
<b>146</b>	<b>140</b>	W2JCN	K4JKB	<b>125</b>
K2GW	AC5DK	W4AVV	KC4NX	AA7DK
K8YTO	CO2WF	W7UV	KE8RJU	K3PU
KB0YH	CT1BWU	XE2JS	NG9R	KC5DRI
KB5ZEA	JA1AFR	<b>135</b>	PV8AJ	KD2NF
KC2TN	K1UO	CU3EQ	VE1DX	NT7C
KM5TY	K7SAM	K4MWB	VE2TZT	W2AJM
N4HID	KC0MEZ	K8ZIZ	W0PHX	W3UQH
VA2RC	KC8TMU	N4DB	W2LES	WA6POZ
VE1VOX	KJ4KVC	N8XE	W3FEY	WB4OMM
<b>145</b>	N1EN	W6BXQ	WA2SEI	WE1P
KD7YZ	N3VOP	WB8BZK	WB4YDL	<b>124</b>
V31MD	NJ0U	WW2DX	WW5W	K0DLW
VA3TTX	VE3KY	XE1H	<b>129</b>	K8VA
WA4JA	W4TUN	<b>134</b>	8P6ET	KB0HH (EM06)
<b>144</b>	W6DQ	AB1NS	JF4VZT	KD5FTD
K0TLG	WA4KXY	AB4GE	K0KD	KM1C
K5TDW	<b>139</b>	BA4SI	K5QWO	KT5MR
K6JRA	IZ8FFA	C6ABB	KC8KSK	N0SL
K8MN	K1DT	HK3W	KF4NEF	N9AZZ
K8WU	KC7JPC	KE5FXE	KM5LY	PV8AAS
KA8SYV	KU0G	N3AIU (DN70)	KM5SC	W0PE
N9DI	N3FX	N8GOU	N9WBR	W1TAM
W5MPC	NA2AA	W4TKI	NZ6N	W7YM
WO7GI	W2PD	WA3WZR	<b>128</b>	W9CDL
<b>143</b>	W4OV	<b>133</b>	KC7QAG	<b>123</b>
K0KVR	WA5TKU	KA5ETS	KJ6SDF	AC7AF
K6JBH	WB2JIL	KC1RET	KN4DMN	K9SM
K9QFR	WY0V	KE1VT	W0WT	KB0GT
KB8RJS	<b>138</b>	KM8V	W5ZO	KB0STN
N8URE (FM19)	AC0XY	N7T	W8FR	KG6DHQ
NA1VT	AI6O	W0RT	WB2WEO	VE3TG
W0HNM	KD7WPJ	W4GE	WQ7F	W1HS
W0UHL	KE0A	WW7Q	<b>127</b>	W3SE
WB0MMC	KE3D	XE2O	AA9RK	W4DFU
WM5H	KE8RO	<b>132</b>	K3GYK	W4PRZ
<b>142</b>	KQ4KX	AB3CV	K7UV	W5EWF
NA2X	N3XH	K5VG	K8AC	W7MHW
NC4VA	<b>137</b>	KW4G	K8OS	W8BI
W5SWV	KK0DX	N4PPH	KB3OZC	W8KHP
WS4V	N1SZ	NE1I	KB9TLV	WA8WV
<b>141</b>	N5JGK	VE3TM	KC0RQH	WB2RVX
K4AR	SM7AED	WN6K	N2ZA	<b>122</b>
K9ATX	<b>136</b>	<b>131</b>	NO8D	GM4UYE
KT8TD	K0XXX	K3NAT	VE2JWH	K7AED
N9FIV	K4SX	KG9R	W1FLD	K7OGW
W4FS	KC5LK	N2CJ	WA6BIL	KA9JAC
W4POT	KC9AXZ	<b>130</b>	<b>126</b>	KB4UF
W6ZI	KJ5RM	AB0X	KJ7G	KB5WFE
WB9WHQ	KV1E	AK8CW	N0BDS	KC5UGX
	NO1R		N7DGI	N5HYV
			WB4HUC	VE6PY

VE7JAC	N3JNX	KD6VCD	KJ6CA	N1USB
WD0GTY	N5EIL	KM5OL	KZ7N	N2IPH
	NZ1I	N3JDQ	N8TMW	N4CE
<b>121</b>	W2AC / WB2ABK	N4YCI	N9TTX	N5FPW
AE1P	W2AC/WB2ABK	N5YK	NN9X	N5YHF
K0MFI	WB2KSK	W0BM	VE3AAQ	N8HM
K4HBI		W8MSP	W0YJT	N9XMU
KB2WAL	<b>117</b>	W8VW	W1OP	VA3OKG
KB5MH	AB5J	WD0ENC	W4ZRZ	VE3AJY
KE4JFS	K4WS		W5MPC/1	WB6VYH
NE0P/9	N4USG	<b>112</b>	W7RJR	WQ9F
UR0MC	N5JEH*	IK7EOT	WB6YIY	
W8DN	N5LPT	K2MLS	WB9W	<b>105</b>
WB9TFH	NU6V	K3GD		AC4Q
	W6WE	K5WTA	<b>108</b>	K4SJA
<b>120</b>	WA1TBV	KA7T	CF3VRQ	K9MAL
EA1YO	XE2PXN	N5HMH	HB9BZA	KB3JGS
K2CYE		W1TR	JA9IPF	KC0JYT
K4CGY	<b>116</b>	W5DQ	K5OPB	KC4KK
KD0R	JR1BAS	W6OAT	N3MWQ	KF4DGS
KD4MZM	K4RGN	W7IV	N5DD	KJ7TH
KD5BRF	KI6QDH	W9PN	VE3SUB	N4NQY
KE4SCY (FM06)	KU5B	WA8TWM	VE7IG	N5SAN
N3YPJ	N0VR	WX3P	VY2RU	N7YY
VE1JC	NO0B	XE1GK	W4AMP	NE9O
VE3XK	W0DHB		W4CRN	PU4JOE
W4LVH		<b>111</b>	W5AAJ	VE3VRQ
WA6RAY	<b>115</b>	N0SLT	W8EH	W8MIL
WB0WAO	JA3LZS	N8IK	W9VNE	W9RVG
	K9MMS	PC3T	XE1R	WA4MYO
<b>119</b>	KE6TVM	W8GBH		
AE5AU	KF0QS	WZ8P	<b>107</b>	<b>104</b>
K0AWU	KM5FA		G4BWP	AB9YC
K1ZN	WA3BZT	<b>110</b>	JA3EGE	AC5K
K2SQS	WC7V	K5KR	K5UIC	AC5RN
K4MSG		K7LD	KF7PG	AC9QR
K7JIZ	<b>114</b>	KD5J	KI9A	IK4DRY
KF7PCL	AC8HU	KI0F	KK4LUM	K5PPP
KP3V	K2RET	KP4JRS	N3TTT	KB9RNO
KT0P	K3RTU	KQ4LA	N9OI	KC2TR
KW7N	K9AAN	KX5U	NF0T	KD9GKL
N4UPX	KC4GCK	N5TIF	US0KW	KJ7OG
W0QC	KG9Z	N5YM	W2ODH	KM6WXB
W4SW	NF8M	W5DM	W2TTT	KO4LZ
W7QQ	VE1WOW	W7JET	WB4PPW	N0STP
WI4T	VE3IRR	W7UP		N1LDY
WM9M	W2JLK		<b>106</b>	N2FBQ
	W4ALF	<b>109</b>	K0MEI	N3UPS
<b>118</b>	W4UFO	AA6I	K5BJW	N7AGF
J68AS	WO2C	AK6ZZ	K7BWH	NJ1H
K4AZV	WX4US	IW1ARB	K7JE	VE2PIJ
KA4LBD		K2DSW	KB0TIJ	W1TE
KF6MXK	<b>113</b>	K2JGL	KC7ICM	W1ZE
KI7BP	AB4PM	K2OO	KE5JXC	W4KVS
KT8X	AD5MD	K5DNL	KJ6MBW	W6ZQ
KW4BY	K3DQB	K9GY	KK2DOG	W9MDB
N1QDQ	KD4BPZ	KE6GLA	N0RQ	WB2VUO

WB8BZK/VE3	K2NUD	<b>99</b>	KY0Q	WB8RVK
<b>103</b>	K5DWI	AB0SD	N0JJQ	WB8ZTV
AA5CK	K5HX	AB3TM	N1JHJ	WB9PNU
AB0YM	K7SYS	K0YO	N3LRP	WE8L
AB5SS	KB4KBS	K4KEW	N5TEY	<b>96</b>
K2OY	KC6AWX	K4WQ	N8AID	AD5OW
K4MVL	KC8CSD	K4ZO	NO5X	AE4TQ
K8ZEE	KG8WB	K5VPQ	NO8R	AK4F
KA1W	KG9IL	K7DD	VA3VF	K2CK
KB0FHP	KR4WM	K7PAP	W2KRP	K2UF
KB2SGX	KR7LD	K9ZZE	W6TE	K2UNK
KC9FFV	N1IX	KA0ZEE	WA2FGK	K4EQH
KF0AIJ	N4AOE	KC2IEB	WA3TLT	K5CRJ
KF4DVG	N8VEA	KC6X	WB1GQR	K8EMR
KR4NO	N9DVS	KD4MWO	WB2YDS	K9OT
N0YXE	ON9CMR/W0	KD6RUH	WD0E	KA2NDX
N1JIF	VA2LGQ	KR4UA	WH6LR	KA3HED
VE7DXG	W4LLP	M5MYH	WT5H	KB5GI
W0TF	W5KBD	N4FV	WV5Y	KB8PNS
W3LEO	W7ISG	N5OHL	<b>97</b>	KC0HBP
W6IT	WB8IMY	N7HRT	AB8M	KD6PY
W6XU	WD5IYT	N7JPF	AJ9C	KI5TE
	<b>100</b>	N7TE	K0HB	KM2O
<b>102</b>	AC0FT	N8GHZ	K0JQZ	KM5NU
AA9MY	AI2S	N8YV	K0QEI	KS4V
AB8JH	AI9U	N9MKC	K0SH	KT5RR
AD6KH	K2UA	NB5R	K0YQ	N0WVU
EA4DEI	K4UQC	NH6CJ	K3HZO (FN20)	N2LID
K0HAQ	K5GM	NI5W	K4GTR	N2VHZ
K3HW	K5KV	NS2P	K4JQU	N2XK
K5VR	K8IJ	VE2HAY	K8XF	N8PAQ
K9AM	K9CC	W2HOG	KA2BSK	N8YBY
KA3ZLS	KB9ZLB	W2VU	KA7EII	NT2A
KB8CR	KC2HLI	W5JLC	KC0YBM	NW5Q
KC6WFS	KC8CC	W6TJU	KD5CKP	NY2Z
KC8DMN	KC9CMT	WA1LAD	KF4KSN	VE2DCP
KD8NYO	KD3SW	WA5TRX	KM4NYI	W4KK
KE1AU	KE5CVM	WB5NHX	KT5WB	W4TMR
KJ4M	KF0Q	WB7VVD	N1VMJ	W7JHS
KR5V	KG5X	WK5X	N3UMA	W8DM
N1HOQ	KJ5OA	WW2R (EL09)	N4BH	WA3EEC
N5RMS	N3TBB	<b>98</b>	N5OTY	WB0M
VE7ZD	N4NIA	AC2RL	N6MA	WB5KJE
W4RVZ	N5XTR	AD8Y	N9APK	WP4LNY
W5DPT	N7EME	K0KC	N9IO	<b>95</b>
W5OV	N8COP	K0UD	N9KY	AE0G
W7UT	N8XS	K3IXD	NK7C	AE5EO
W9NFL	VP2MRM	K3QIA	NU0Y	K1PNQ
WA8EQP	W2CH	K4OP	VA3FIN	K4ED
WB5FDP	W4/KL7GLL	K5HOB	W3QT	K8KFJ
	W4OZK	KA1EKR	W4CWA	K8ME
<b>101</b>	W8BZY	KE4LGL	W4DAS	K8VD
AE7V	W9DQ	KG4YOU	W4ID	KD7WH
K0RAR	WA5TLP	KG7E	W7DN	KD8DR
K0SBV	WV9E	KJ2G	WA6OSX	KD9ZR
K0WJ		KK0CQ	WA9LEY	

KF6XA	N0LP	N4YHC	<b>91</b>	N2ULL
KI0SK	N2SU	N7EGY	AA0CW	N4BRF
KW9U	N3JBH	N7JI	AD3Y	N5BA
N1XK	N3XBG	N7KSI	CO2WZ	N9JJ
N2SLO	N3YUG	NA9D	K1UR	N9MSG
N2WLS	N5ZMP	VA7QI	K4SPA	VA3XOV
N3WAV	N6HY	VE3WMD	K6YK	W1HMM
N4ET	N6MXU	W0MHK	K7HPN	W9CPV
N5BLY	N7NH	W2VTV	K8OI	W9CSY
N5ENU	N7UN	W3ZGD	KB2YWU	WA2BEV
N5KI	N8WWM	W4GPM	KB3IAI	WA8OJR
N9IV	N9DD	W5DMT	KB3NDS	WD9HCF
N9LJX	N9UNX	W7EIR	KB7AZ	WE7H
VA3KS	VA3MA	W7TRX	KC5POV	WEST SEATTLE AMA
VA3PZ	VE3RX	W9IFW	KC8LGL	WH6LE
VE3KZ	VE5MX	W9NED	KG4QWC	WT4C
VE3SPW	VE7AB	W9WI	KI3O	XE3/K5ENS
W3UA	W2GR	WA5ICA	KI5BLU	
W4YZJ	W3IPA	WB5CON	KM7N	<b>89</b>
W5ADA	W3TA		KM9I	AB1TZ
W5CBF	W4LNG	<b>92</b>	KQ6K	AG2AA
W5RCQ	W5ODD	K1EY	N3PPH	AG7NR
W7JWC	W5PUF	K5GDX	N3WCM	G4NBS
W9SX	WA7LHZ	K5TDA	N7CZ	JQ1TIV
WA2ONK	WA9BXB	K7FU	N8DEZ	K4BMM
WA3I	WT9U	K7HKR	NA7L	K5CX
WA4WR	WV7S	K7UWR	NR4J	K5JAZ
WB2SIH		KB0PQP	NU4N	KA0MWA
WD8DOT	<b>93</b>	KC4JNW	OE9KFV	KF4TVL
WS4S	AG2A	KD4QMY	W2SUB	KI0G
XE2AT	AG6CV	KE4WBO	W4MLN	KI4FW
	AI8F	KG4URP	W5KDA	KI4US
<b>94</b>	K0IW	KM3V	WB0NRV	KR4U
AA4RP	K1PTF	KR7X	WB7X	N2GZ
AB4VT	K1ZK	N0RC	WC4V	N5KAE
AD1DX	K2AK	N2SG	XE1GZU	N8YSZ
HK4SAN	K2MTS	N3GH		N9RG
K0ARM	K4DAM	N4VN		N9UDX
K3BEE	K5TRI	N5QO	<b>90</b>	NE2U
K3TUF	K6RM	N6RPM	AA0LM	VE3VCF
K4JRK	K7IP	N7DED	AB4WL	W0HRO
K4LDC	K7TRK	NS6E	AB9DU	W1HY
K4YJ	KB0USF	UT5JAJ	AF5BG	W2JEK
K8GT	KC5TGT	W1PV	DL1SMA	W2OK
K9DOG	KC5TT	W2ACY	JH4JNG	W4ZMM
K9SUL	KC9TTR	W2CVW	K1HC	W6VNQ
KA2F	KC9UL	W3ACO	K1KA	W9HT
KA9UVY	KD0QG	W3HZU	K3CWF	WA7SDI
KB7AK	KE6AZX	W4BP	K3UAL	WB3IAL
KC0AUY	KE6UMW	W4LIA	K4AAP	WM6Y
KC3AK	KE8RPJ	W6NS	K4FTP	WQ5C
KD4VRZ	KI0J	W8JV	K4XZ	WR5AY
KE3WM	N2BX	WA3JKB	K8EAB	XE2NL
KF0LA	N2YTF	WA4EEZ	KA5TJI	XE3DX
KG4NLZ	N3AO	WM3O	KB5FHK	
KU4JZ	N3ZBK		KB7BSA	<b>88</b>
N0LNE	N4GOA		KK4DZP	AA4QE
			KW3DX	

AE0DX	WB8JAY	<b>83</b>	<b>79</b>	<b>71</b>
AE4OF	WF4W	AA6E	K4RW	IC8TEM
AF4MI	XE1RBV	DL5XJ	KP4N	K0GW
K1RS		K1LH	N2COP	K4GK
K3TN	<b>86</b>	K4SQC	N5YJZ	K5WPN
K4XD	AG1T	K6JJ	N9RC	W2YR
K7CTV	K7FB	K6UIP	VE3CFK	W3FGP
K7WV	KA9OKH	K6USY	W2GW	WC5M
K7ZVY	KB7JJG	K8SIA	W2SKI	
K9JF	KI6HQT	KB3HHA	WN0L	<b>70</b>
KB2KIR	KN4MMH	KB9LIE		GI4SJQ
KC1GWX	KP4TB	KK7BV	<b>78</b>	K4BNC
KC3MLC	KT1R	KU4WW	K2QPN	KC0ZRX
KE7RTB	N2NF	TG9AKH	TG9AWS	W2LV
KE8UM	N3MVF	W4HFZ	W4NE	W2QO
KI2D	N8TFD	W7USB		W4GP
KI4RFM	NZ3O	WD6T	<b>77</b>	
KJ4KW	VA3MDB	WD9IOK	K1IFJ	<b>69</b>
N1CEO	VA7LM	WI6Z	MI0AYR	K3WGR
N2MKT	W8IW	XE1MM		WD4LBR
N2ZN	WA1PMA		<b>76</b>	
N4CAG	WA4USA	<b>82</b>	K0WYN	<b>68</b>
N4GN	WB4GCS	AD4IE	KI4CYB	AA4S
N4KIN	XE2AU	KC5YKX	KI7WXP	EH7CD
N4UC		KG4KVZ	N1GNB	K6CF
N5VBK	<b>85</b>	N1SF	N2MH/4	KW4OV
NS3X	EI3IO	PU8TEP		
NT4TN	K1UU	W5DAS	<b>75</b>	<b>67</b>
VE2VLJ	K4LRP	W7YOZ	G4RGK	W7YED
W2BZR	KB3MXK	W8GG	K3PP	
W3YX	KC0V	WA2ONG	K8QM	<b>66</b>
W4DL	KE4DRF	ZS6NK	N5GH	K6KLY
W4RXR	KK4AND		NP3YL	KK4YEL
W7HDD	N2RJ	<b>81</b>	NX7U	
WA2BTR	VE3GFN	AB4I	W5UC	<b>65</b>
WA5MD	VE7DAY	IK8YTA	WP4NEG	JA1XEC
WK3N	W1WV	KE4DZU	ZL3AAU	K5EJ
WV8O	W3STU	N6MM		N7UJJ
XE1SOV	W4IT	N7NEV	<b>74</b>	OK1MP
	W4RA	NI4Y	AK8B	VK9DX
<b>87</b>	W6ST	W3MC	CX4AAJ	W4CCS
AC0A	W7SIR	WA4ZXV	KF2TI	
AG4I	W8DQ	WA8ZNC	LU4FPZ	<b>64</b>
K4JC	W9QY	XE1EE	TI2CDA	JG2TSL
K5UZ	WA4WKL		VE6SO	
KB1VUN	WD4LSS	<b>80</b>	WC6DX	<b>63</b>
KC8NAH	WF4R	AC6BW		EA1DR
KE6WOX		KE4PT	<b>73</b>	KB0RFY
KI6RRD	<b>84</b>	KR4Q	JF1IRW	SV1RK
N0ELA	CT3FT	KW1DX	VP2MJD	
N2CJN	K4EZY	N2NS	W4WT	<b>62</b>
NA5DX	KE6NDG	VY2HF		K4DXA
NE5S	N1KI	W5TTY	<b>72</b>	
NI5F	N2NWS	W6TCP	AB1QB	<b>61</b>
NN7RM	VE2WBK	W7AM	N4II	CU3AN
W8GOC	W8PU		PV8ADI	
WB3IGR	W8SGR			

<b>60</b> KP4JFR S55DX	<b>46</b> LU2DX	<b>33</b> HL2IFR UR5WA UR9QQ W8GC WB4SON WB8TGY (EN72)	JL1UXH K4SLC KP4EIT W8MK	JA2XCR KB8DVT PV8RR PY2OC W9TTY
<b>58</b> HB9BIN KC6NBI SV8CS WA2MUA	<b>45</b> JA6WJL K4TXJ		<b>22</b> 9H1SP IZ3ENH	<b>13</b> K4WY PY2MC W4PWF
<b>57</b> HL2EIZ N5LJL	<b>44</b> WO3T XE2YWH/1	<b>32</b> N3LRH NP4TT SM6WET YL2JZ	<b>21</b> EA1YN	<b>12</b> EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB
<b>56</b> EA5BY KI5WA LU8ADX NI6T UX1UA	<b>43</b> 8P6SH CT1EEN K4ZIN SV2AEL	<b>31</b> HA5PT	<b>20</b> CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA	
<b>55</b> G4FKA JL3MCM LA3MHA US5WE WA2EMF	<b>42</b> TF3JB	<b>30</b> E72X JA1WSK JL3LSF JO7WXN WA6DNR	<b>19</b> EA6BB JI4WAO PY2HN SP8NR	<b>11</b> A65BR DL2OE EA4DAU EA4ZK F4BDG G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU
<b>54</b> AG4KI	<b>41</b> K0BBC/R	<b>29</b> JE1VTZ OE4VIE SP5APW	<b>18</b> AJ6V KJ4EU OE3SGU VE6TA (DO31) W0HBH	
<b>53</b> K0BBC PP1CZ	<b>40</b> E75AA JF1LMB JR0QFA N6PAZ WB8TGY	<b>28</b> CT8/K0RUI JA6CRP K0FMI OH3DP		
<b>51</b> CT1ETE N8OFS VE9FCP	<b>39</b> AA5PK	<b>27</b> IZ4DPV KC9ELU WP4NIX	<b>17</b> G3LZQ PY2XAT W0JM	<b>10</b> DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW
<b>50</b> N6DW	<b>38</b> DD3KF DU1EV IZ8EDJ K8YSE VK5PJ	<b>26</b> HL2WA WB7QXU	<b>16</b> HB9ALO N6VHF	
<b>48</b> G8BQX JA9KRO KI5KC N6DBF N8MR NP3IR SP5QWB YY4DNN	<b>37</b> BA7NQ HB9RUZ JA9APS	<b>25</b> EA4/K1WE	<b>15</b> 9K2BM EI2GLB HL4GAV JR3UIC LU5FF PY2RN UT3UA UX0DL WC2C	<b>9</b> DL7BA EB1EWE EC7ZK G6BFP JA1MZL KB4YKC KD3UY
<b>47</b> HB9RYZ	<b>36</b> JH9DRL	<b>24</b> EI2JD KS4YX LA6OP ON6AB PA7TWO	<b>14</b> HB9HIT	<b>8</b> DK2LO JA1CPU
	<b>35</b> GI4OWA LU9DO	<b>23</b> GM4ILS HB9G		
	<b>34</b> G4SEU HB9EFK LA2QM			

JA2FGL	<b>3</b>	YB2DX
JE3PCP	DF1ZN	YL2KF
N8RO	DJ5AV	
	DL2KQ	<b>1</b>
<b>7</b>	EA1AR	3A2MW
G8APB	EA4D	9A2EY
IZ0INX	F1RAF	BD4UJ
JA2NDQ	G3LHJ	CT1AHU
JI2UDK	GM4CFS	DH8BQA
JJ2NWI	HA9PP	DJ3ZF
LA3DV	HL2ZN	DL2DCX
N5ORT	IK0WRB	DL4ZAB
NJ4Y	IK3ITB	EA3WD
ZS4TX	IK8EPC	EA4GQS
	IK8GYS	G4VSS
<b>6</b>	IW3GJF	G6MXL
CT2FEY	JH7IMX	G7SQS
DH0GSU	JM1GHT	G8TTI
DL1TRK	JN1BPM	IK5BSC
EA8MT	JR6IQI	IW0AFS
EI2JC	PY5IP	IZ0BTV
HB9FMN	SA7CJO	IZ3DBA
JA7NGE	SV1VN	IZ5FSA
PY2VA	W1CBY	JA1GZK
	WD9EWK (DM43)	JA7VXB
<b>5</b>	YB1TJ	JH8XVT
DL5LH	YL2MU	JL2ULM
EA1AAA		JN3ONX
EA7ZY	<b>2</b>	KC3KJQ
HB9GWJ	5B4ALJ	KG4JSZ
JE1LFX	7J1ADJ	KH6WI
JI5USJ	9A2GA	KP4DER
JJ1IDW	9K2NO	MM0INH
KB8VAO EN91KT	BV6CC	OK1UU
M1VPN	CO6CBF	ON6NA
MU0GSY	DF8FT	OZ1IKY
OH4UI	DK1CO	PU5SVE
OK1IN	EH4BPJ	SM3GBA
ON5UE	ES8JX	SM6LPG
PP2RON	F5TMJ	SQ5NRY
SK6QA	G0THY	UN8G
VE2NGH	G4DDL	UR5EDX
VR2XMT	G8GNI	VR2VGM
W1ZR	GI4ONL	WB7VUF
W2ZF	IK1IYU	YL2CA
YL2CZ	IK2GOQ	YO8WW
	IZ8XQC	
<b>4</b>	JA6AVT	
DL1TS	JA6SZV	
F1DFR	JA9FAI	
IV3GOW	JG1JPE	
JH7IPR	K7LY	
JK6DXD	KEN IN NEBRASKA	
S51NM	LA2CQ	
UT5EL	OH3KAV	
XE1SAX	SV1XV	
	SV3FUO	