

## 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 (06 May 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>	W7KNT	<b>482</b>	WD8JJA	<b>456</b>
AA0MZ	W7MEM	W5VY		N0POH
AA5AM	W9FF		<b>471</b>	
AA7A	W9JN	<b>481</b>	AF5CC	<b>454</b>
A15I	W9RM	K0TPP	WD5COV	WE9R
K0GU	WD5K	K1USA		
K1TOL	WQ5S		<b>469</b>	<b>453</b>
K4PI	WS9V	<b>480</b>	K7BG	K4YMQ
K5RK		N7KA	KM0T	N4JQQ
K5UR	<b>487</b>	WB0ULX	N4TB	
K5WE	AA5C		N7ZO	<b>450</b>
K7CW	K4XO	<b>479</b>		AJ4F
K9CT	K7MAC	AD6D	<b>467</b>	K4SO
KA9CFD	K7TM	W5WVO	AD1C	N5EKO
KA9FOX	K9YY	W9VHF	WO7R	N9BX
KD5M	N0AKC			
KG5CCI	N7CW	<b>478</b>	<b>466</b>	<b>449</b>
KM0A	N7IR	AE5B	K0BJ	K4MY
KO9A	N7NW	K5GZR	KA0JGH	KF6HI
KR7O	N9ISN		KB6NAN	W8TN
KV5W	NA6L	<b>477</b>	WX7M	
N0LL	W9XX	W9RN		<b>447</b>
N0LWF		XE2CQ	<b>464</b>	K4HB
N0TB	<b>486</b>		KB9OWD	KS7S
N1AV	KY7M	<b>476</b>		N4SC
N3SL	N0KE	KC7QY	<b>463</b>	W3UR
N3XX		KC7V	N5KO	W5EME
N5DG	<b>485</b>	XE2OR		W5XC
N5OMG	K5XI		<b>462</b>	
N6JV	K9MU	<b>475</b>	K6ZH	<b>446</b>
N9LB	W3IP	KX4R	N6ORB	K6EID
N9UM				NV4B
ND0B	<b>484</b>	<b>474</b>	<b>461</b>	
W0FY	K0SIX	W6XK	NA9RB	<b>445</b>
W0JW	K1TO		ND4X	KU7Z
W0LGQ	K8SIX	<b>473</b>		N5NA
W3CP	W5ZN	N5WS	<b>458</b>	
W4UDH		NQ7R	KG5THG	<b>444</b>
W5ADD	<b>483</b>	WA7HQD	N9BCA	N7BAV
W5AFY	AC0RA	WB0O	WB9CIF	W4DR
W5FF	K5ND			
W5KI	W0VTT	<b>472</b>	<b>457</b>	<b>443</b>
W5OZI	W5AJ	A11K	VE3EK	N4MM
W7GJ		KB7ME		
W7JW		N4WW		

<b>442</b> N8OC	<b>428</b> K9APW KP4AJ N4TL	N5SYV W0GJ	N8IEZ W1NG W5JAY	K1GG K2TER K8ROK
<b>441</b> K4XP	<b>427</b> N4QWZ W3LL	<b>414</b> AH0U K7KQA W0GN	<b>397</b> K5RT	<b>383</b> N4UFO
<b>440</b> AG9S K8TB W2IRT	<b>426</b> K8ZR N5OK	<b>413</b> WA9LFO	<b>396</b> KB8U	<b>382</b> K5PI K6VHF VE3YXO
<b>438</b> W3LPL	<b>425</b> WA1EAZ	<b>412</b> N2NL WB7CJO	<b>395</b> AA5XE K0AZ K5WBM KF7CQ	<b>381</b> W3VZ
<b>437</b> NY0V XE2K	<b>424</b> N4UFP N9AKR W3EP	<b>411</b> K9MK	<b>393</b> K7XC KK4MA W4TV	<b>380</b> AB4SF K7MCX NM5U WA5LFD
<b>436</b> AB4IQ K7PI KD3CQ W3TC WB8ART	<b>423</b> W5THT	<b>410</b> KE7SW KI8G	<b>392</b> AF4HX K7SMA VE4EAR W6OMF	<b>379</b> N8WNA
<b>435</b> K9KLD KF6A	<b>422</b> VE6WQ	<b>409</b> N4HN	<b>391</b> W4AVY XE2YWH	<b>376</b> AA5JF K8VJV N2WK
<b>434</b> NE1B	<b>421</b> K8ROX N5TJ N9PGG WB8ZBT	<b>408</b> W7BA	<b>390</b> NA6MG	<b>375</b> K6QG WB4OQX
<b>433</b> N9FN W9WO	<b>420</b> VE3LYC WB8BPU	<b>407</b> W4AS W5CIA	<b>388</b> K0IP W4WRL	<b>374</b> N1EVK N6GP N7DB
<b>432</b> K6G XO KB8VAO EN91PB W5TRL	<b>419</b> K7NN KB9DAK W5AL XE2X	<b>406</b> AK3E K6FG N9EAT	<b>387</b> KV4T N4CH	<b>373</b> K4SSO
<b>431</b> K0TLM K1HTV K3SX N2QT	<b>418</b> K4ZOT	<b>405</b> AA4SC K5CKS	<b>386</b> N7IJ NN4R W5TFW W7AH WE4S	<b>372</b> W5MO
<b>430</b> K1TEO KF8MY NI0G	<b>417</b> AJ4A	<b>403</b> KE8KMX NH6T/W4	<b>385</b> KF0M NK1K VE6MB W4WTA	<b>371</b> WA6BYA
<b>429</b> K1SIX N4QS WA5JCI	<b>416</b> K4RWP K7ND	<b>402</b> K3FM	<b>401</b> K4CKS	<b>370</b> K5TN KN4SM KS4YT N3MK NT0V
	<b>415</b> K5OMC K7AWB KO4MA	<b>400</b> W0JRP W3UUM	<b>400</b> W0JRP W3UUM	<b>369</b> KF8UN N2DPF
		<b>398</b> N5BO	<b>384</b> AA1ON	

<b>368</b> W5RCI W6GMT	<b>355</b> KC4HW N2ZX WA9DU	<b>339</b> KE4BKL N6KK VA7FC W5VAS	<b>330</b> KB8MBC KG8P	<b>320</b> K0VG N4DW
<b>367</b> KR4BD NT9E W7YAQ	<b>354</b> AB1OC K0DEQ	<b>338</b> VE3SXE WA5KBH	<b>329</b> KC0UDO W1DYJ W2OR W8WG W9XA WX4G	<b>319</b> N7US W4ER
<b>366</b> KI7JA N4LR	<b>353</b> AF2K K0CS K8EB	<b>337</b> K8ZES WA5RT	<b>328</b> K6ME N3RC N5PT NK0S W2CNS	<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> AB4EJ K5KDX K8GI K9QVB/9 VE3DS W09S	<b>327</b> AC9DX K6EME KJ5RC N0YO NU6S W9DCT	<b>317</b> VE7BV W1SKU WA7PDC
<b>364</b> AA4ZZ AB5EB N6QQ	<b>350</b> AA4FL K7XB N6VI	<b>335</b> K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	<b>326</b> K2ZD K6LMN W7JLC	<b>316</b> K3FN KA0ABA N1KDO W4UCK W9BWR
<b>363</b> W4NH	<b>349</b> K8JH KA0BAD	<b>334</b> K0OOK K3TRM N4UFO (EM95) N9DR N9XG WB5TOI	<b>325</b> WA2AEY	<b>315</b> K5VH KG6AY NY2NY WF7T
<b>362</b> WA5OLT	<b>347</b> KT8O	<b>333</b> FG8OJ KM4HI KN4NN N0IGZ W3GQ	<b>324</b> K9SH KU4A N2BJ VE3TMG	<b>314</b> KB0V KU4XO
<b>361</b> AG4W K8BL K9NR N7MB N8KOL NE9U NG4C	<b>346</b> NY1V	<b>332</b> AA7UN N4JDB N7KDT VA3IKE W9GM	<b>323</b> K10E N8II NJ6D W8KEN WW0E	<b>313</b> K0TC N6NR NF4A W4GLV W5RKN
<b>360</b> AA4FF K6UM (CN85)	<b>345</b> N8YO W3XY	<b>331</b> K8WDA N4MW N6KZ	<b>322</b> VA6SZ	<b>312</b> AF6O KA2GOJ WA1NLG WB3LHD WO2T
<b>359</b> WR7X	<b>344</b> K6FW KB0PE W1OW		<b>321</b> N2JJ NC7B NS4C W9VA	<b>311</b> KM3T W2BZY W5DB
<b>358</b> K5RLA N3OC	<b>343</b> K5EK			<b>310</b> AA1QD AA8SW
<b>357</b> JA7QVI K4LVV KV7K NI0P W5PR	<b>341</b> KD7DCR WA7YAZ			
	<b>340</b> N0AN W8LMG			

NG7M	W1LE	HC2FG	AJ4W	<b>269</b>
VA2WA	W5SUM	K1NU	JG1TSG	K2IE
W9KVR	W8UV	N6AR	K3JT	K3ZO
WO4DX	WB5GVY	W1DU	N0LNO	KD5R
<b>307</b>	<b>298</b>	W4HLR	N8BJQ	N5EPA
KE5K	KD4WSC	<b>287</b>	NN1N	N5WD
KS4S	N1NK	AC9S	WA4HFN	<b>268</b>
W3ATV	N4IQ	JE1BMJ	<b>277</b>	K6OJ
W9RPM	<b>297</b>	N8CGY	AC7JM	KX7L
WB4KTF	N8YQX	<b>286</b>	K7ULS	N9ZTS
<b>306</b>	N9LF	AG1A	K9UO	W0KAN
K6RO	VE1JBC	NC6K	NS4T	<b>267</b>
K7BV	<b>296</b>	<b>285</b>	PV8DX	K8DP
VE3XN	K6YUI	K5CZD	<b>276</b>	KG6EG
WV9L	KC7RW	N0LD	K2CS	KX9N
<b>305</b>	<b>295</b>	<b>284</b>	K5TWJ	N2AMC
K6UM (CM88)	KE4P	AB0RX	K7TAB	N3PS
KF2T	N7NT	K0KP	<b>275</b>	N7UVH
KT1J	W2HRO	K4DET	K1MAA	N8EHV
WA9M	<b>294</b>	NJ2F (EL96)	K2NJ	W4FSO
<b>304</b>	K6JSV	RETIRED	N4GG	W5WP
K6IPF	N8HRZ	<b>283</b>	W0FK	W9DRB
W4FC	<b>293</b>	W8OP	W8PI	<b>266</b>
WA0GUD	AB9BH	WA0FQK	WA4NVM	K1OA
<b>303</b>	K3AX	WB0CQO	<b>274</b>	K1WVX
EA8DBM	K4KJZ	<b>282</b>	K2UU	KE8Y
K8TGC	N4JJ	AA0ZP	KB1DMX	TG9AJR
K8TL	N4MI	DK8NE	<b>273</b>	WB8EJN
<b>302</b>	W2GKR	K5TA	KM4H	<b>265</b>
KB2TGU	W4VC	N0GZ	NA5Z	N5KS
W3TI	WA2IIE	N8JCM	WB0OQV	<b>264</b>
<b>301</b>	<b>292</b>	W4WM	<b>272</b>	AC8L
N0HJZ	KJ6P	<b>281</b>	XE1AO	K2BLA
N2ZZ	W1SSN	K4OY	<b>271</b>	K4JAF
W9OBG	<b>291</b>	W2YE	K4NNX	N0TK
WB0TVY	W1WHL	<b>280</b>	K7NII	NF1O
<b>300</b>	<b>290</b>	AC5D	KB7FUV	<b>263</b>
AA4V	WA8EFK	N0KV	KD5XB	AK4PR
K0DD	<b>289</b>	NM5Z	W3HHN	K3VAT
K0PHP	K4MM	<b>279</b>	<b>270</b>	K4XR
K0SRL	K9FA	N3JPU	AA8MA	K9AAA
KB6VFC	N5BCA	W0RH	K4SPD	NJ7G
N3KN	NQ7G	W0VHF (EL87)	KC9FQD	WB7QBS
WA2BAH	W4LTJ	W3HDH	N2LIV	<b>262</b>
WX0Z	<b>288</b>	XE1FAS	W4QK	AE5FM
WX2S	AA4LR	<b>278</b>	W5DNT	K1ST
<b>299</b>	<b>288</b>	AA9D	W7JY	K3CWH
VE6WK	AA4LR		WZ9B	ND4DX
				WA0KBZ

<b>261</b> AF2F K3TWK KB8UUZ N3EW	<b>252</b> AB5A K1ACL NN4RR VE6NTT VE6SH	W0VD WD4IXD	WT2P WZ9W	<b>226</b> AF5WN N7CNH N8UR NM5S W0VX WQ6Q
<b>260</b> JR1LZK K6JAD N6HC	<b>251</b> AD5JK K1NJ K3NK KG7NV NN4SS	<b>243</b> JA1QJI K3TC W4EJ YV1DIG	<b>234</b> CT1EEB KE6FCT	<b>225</b> AC9O K9QJ KF9UG KX9X (EN50) N2WSY N4SV W8AKS WN6W
<b>259</b> AK0MR KD4ADC KG6I KN5O N1RR NS7K NY1E VE6BMX W2JU	<b>250</b> AA9LC K0CCM NW6R	<b>242</b> K3WW KA3TCC N8LRG WA8MCD	<b>233</b> K1AFC N3AIU (DM45) N9NJS VE7VZ W3DF W8PAT XE1L	<b>224</b> JP1LRT K3FRK WA4YA
<b>258</b> K1BD K2HAT NA2NY WB7ECS	<b>249</b> K8AO KL7HBK KQ5U N1GC	<b>241</b> W5LO	<b>232</b> AE4WG K5FO KL0S MD0CCE N9NJY VE6TA (DO33)	<b>223</b> GD0TEP K1GJQ K7UA NJ7A
<b>257</b> K2KA K5QE KD4MYE N5DTT PY2XB W7CT WA2HFI/0	<b>248</b> CT1IUA K1ZZ W6VFA	<b>240</b> AB5GU KG5EIU KI0HA KK4ZUU KO6LU VA3HP W1VT WA2VJL	<b>231</b> K4MIJ K6HEW KF6GYM W9XT	<b>222</b> K0YY K2TV K3AJ KA1LMR KD4K WA2BOT
<b>256</b> K3WA N8ZJN	<b>247</b> K0PG W1FKF W3TEF W9TA	<b>239</b> F4BKV KF4LVF W6RW W9YOY/M WA3SEE WB1FLD	<b>230</b> JM1IGJ K1ZE K5DTC KO4MM VA3XJ WB0WAO/8	<b>221</b> K5WMH K6CQR N0PSJ N4ION N5UWY
<b>255</b> K8MVZ KG4JPL KS4XQ W0NOZ WA8KNE	<b>246</b> K0DAS KK8X N5TIT W0PR W4FRA	<b>238</b> AA3GM N9JR	<b>229</b> K6RG KB9RUG KD5IKG N4NX NN5DX	<b>220</b> HC1BI K7BTW
<b>254</b> KF8QL N7QOZ VE3OTL WD5ITW	<b>245</b> N1IA VA3CW W3SW WA8ZID WI7P	<b>237</b> K3KO K4QE	<b>228</b> K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	<b>219</b> AI9L K2RKJ KE5RV W5JMW W6DPD W7ZSL WB2WIH (FN20)
<b>253</b> N2XQM	<b>244</b> AA9RR KD8JSP N3AIU (FM08) N4JRY VA3ZV VE3VHB	<b>236</b> K0SU K4NK KV1J N3FTI N9ATD W5AJX W9OO	<b>227</b> JA1UAV K8ZT KS9A W4KXY	
		<b>235</b> ND0C VO1GO WB6RJH		

<b>218</b> K1XH K4IJQ KB8KVJ	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>193</b> K7PT K9AB	
<b>216</b> K7RB N0IS NE1F W5RWF	<b>207</b> JM1SZY N1BCL N8NJA	<b>200</b> 4A2MAX N5AO N9AG NA5C VA3VU W1AW	<b>192</b> N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	<b>185</b> AD6W K2WJ KD5BQT KU4UC N2YU NA2R PY5CC W3OU W5BPT
<b>215</b> AL7OC K2SX K15FJ N6KW	<b>206</b> AB0CT AK4Y K9YC (EN61) KB0LYL N4ST NA5Q PV8AZ W4EJG XE1J	<b>199</b> JA8ISU K4GHS N3KfV NJ8J W0BNE W4OEP WB0YEA	<b>191</b> K0ITC K3HPA K9CS KK6OH N9AMW WA2BKN WA5CAM WD4JHD	<b>184</b> AF5Q K0DEW KB1HY KR4M N1IBM N4BG
<b>214</b> KB9PJL VE3SYK WA7AJ	<b>205</b> AF4OD K8SD KE4HOA N5ITO N9ATF VE3MSC W8QID	<b>198</b> AC8TO N0UK N7EPD NX0I WA7KYM		<b>183</b> K5RQ N0FJP N0PB N0UBL W2UDT
<b>213</b> K16X W0NBC W8RD	<b>204</b> IT9IPQ K9MQ W5LUA	<b>197</b> K3EGE N4BAF W5CTV W9TD	<b>190</b> K5ER KC2DLD N9UA W1ATV W2OO	<b>182</b> AJ6T DF3CB FP/KV1J K5GMX K8WK W2CCC XE1CL
<b>212</b> AB5C K6TDI KF7NN N2OA N5PA	<b>203</b> K0VSV K3DFL K5HYT K5LOW N0HF N6NU N8SYF NR0Q W1RM W9GFB W9VOB	<b>196</b> K0AIZ K0NR N5DUW W2AMR XE2ED XE2W	<b>189</b> KC0MEA WA5VKS	
<b>211</b> K8YC K9FOH NE8S VE3SMA W5HNK		<b>195</b> AA4W JA7MSQ K6VDP KC0VDY KG6WIK W8GJ	<b>188</b> AD7KI KD4HLG W4AZR W6AER WA7VHF WU9Q WX9M	<b>181</b> AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF NY0A W2ZDP W4RBO W9BS WJ1B
<b>210</b> K3MSB K9YC KL7NO N6UK WQ9T	<b>202</b> K1BZ K5GJR WC7X WF8Z WQ5W		<b>187</b> JF8QNF KD3HN KQ0J N1SV	
<b>209</b> AA4IB N1TQ W0PPA W5WGF				

<b>180</b> K0OST K4LYN KC1MMC N1RK N6PEQ N6VH NI3K W3SZ WA5RR	<b>174</b> K3MD K6WRL KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI	<b>167</b> K4MQG KB1YNT KE5EP LU4FW N0NHW NO0T W1BAT	<b>159</b> K2SD K4MZ NS7B W1EME W4TTO WB8NUT	N2WM NU1T UT7QF WO4G
<b>179</b> KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	<b>173</b> K2ZZ K5YPV KE4SCY XE1YY	<b>166</b> KC2GHT N5VU NC4RY VA3WEB WB4KXS	<b>158</b> K8CR KI0D N2CG	<b>151</b> KO0Z W1ZT W2DXE
<b>178</b> JR2HCB KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VA2CY VE3NRT W0ZY W1MAD WY7FD	<b>172</b> AB9KZ K5ZED KI4PKW KJ6HI VE2PN W4ABC	<b>165</b> K4DXT KD5HPT N1JFU W0RIC	<b>157</b> 4O3A K4FX KB8GC	<b>150</b> K1EP N9LAH NE6I VE3OAT W7APM
<b>177</b> AG4ZE K2QQ KI4BWW SM7FJE W5ZG WA8UEG	<b>171</b> AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX WA2KBZ	<b>164</b> K5VWW KD0UHN KF9US W4CSW WK7G	<b>156</b> K2KJ KE4UW N3RN N9KO VE7VDX	<b>149</b> AB6CF K4SAN KK9H WB4VHF
<b>176</b> AD5ZA K0DI KX9X N5QGH NP4BM W5AFD WA5IPS WW2R	<b>170</b> K5DB K9TVG N4GBK N8CN NA2U W4IHI W4JKC WK3V	<b>163</b> K2JF K2YSY K3EA N5XZ W3TW	<b>155</b> K3TD K6XN KK8MM N7AU N9OBE TG9ANF VA3NQ WV8DX	<b>148</b> AC0DQ AG0A G0OIL K0RU K7IU K8DV KB2YSI N0TM N5ZBI NY4I W6VNQ (CM88) WB6RAB
<b>175</b> N7LAN PV8BR	<b>169</b> KD5OMJ N2BEG N5XES N7PHY VE3HHT W8KNO	<b>162</b> AF4GK K0QB KA1R KD4TDI W9JJB W9VS WA1Z	<b>154</b> AE4NT KB9VMW W3ZQN	<b>147</b> AF6AV IZ1LGB K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ WA3YQG
	<b>168</b> KG5ZMQ W8WEJ	<b>161</b> K4EA KB3CWQ N2YBB V44KAI VE3LC W4HOG	<b>153</b> AA4NC AB4GG JA1OVD K7AD K7ZD KW0A N1OFZ N2ADV N6DHZ W3DQS W5FI W9ILY WB5ZAM	<b>146</b> K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX
		<b>160</b> K5IQ	<b>152</b> N1NUM	

<b>145</b> KD7YZ V31MD VA3TTX WA4JA	VE3KY W4TUN W6DQ WA4KXY	XE1H	<b>129</b> 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR NZ6N	<b>124</b> K0DLW K8VA KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N9AZZ PV8AAS W0PE W1TAM W7YM W9CDL
<b>144</b> K0TLG K5TDW K6JRA K8MN K8WU KA8SYV N9DI W5MPC WO7GI	<b>139</b> CT1BWU IZ8FFA K1DT KC7JPC KU0G N3FX NA2AA W2PD W4OV WA5TKU WB2JIL WY0V	<b>134</b> AB1NS AB4GE BA4SI C6ABB HK3W KE5FXE N3AIU (DN70) N8GOU W4TKI WA3WZR	<b>128</b> KC7QAG KJ6SDF KN4DMN W0WT W5ZO W8FR WB2WEO WQ7F	<b>123</b> AC7AF K9SM KB0GT KB0STN KG6DHQ VE3TG W1HS W3SE W4DFU W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX
<b>143</b> K0KVR K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	<b>138</b> AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH	<b>133</b> AE4M KA5ETS KC1RET KE1VT KM8V N7T W0RT W4GE WW7Q XE2O	<b>127</b> AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N2ZA NO8D VE2JWH W1FLD WA6BIL	<b>122</b> GM4UYE K7AED K7OGW KA9JAC KB4UF KB5WFE KC5UGX N5HYV VE6PY VE7JAC WD0GTY
<b>142</b> NA2X NC4VA W5SWV WS4V	<b>137</b> N1SZ N5JGK SM7AED	<b>132</b> AB3CV K5VG KW4G N4PPH NE1I VE3TM WN6K		
<b>141</b> K4AR K9ATX KT8TD N9FIV W4FS W4POT W6ZI WB9WHQ WR7AY	<b>136</b> K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS	<b>131</b> K3NAT KG9R N2CJ	<b>126</b> K6XC KJ7G N0BDS N7DGI WB4HUC YL2AO	
<b>140</b> AC5DK CO2WF K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U	<b>135</b> CU3EQ K4MWB K8ZIZ K9TF N4DB N8XE W6BXQ WB8BZK WW2DX	<b>130</b> AB0X AK8CW K0GUR K4JKB KC4NX KE8RJU NG9R PV8AJ VE1DX VE2TZZ W0PHX W2LES W3FEY WA2SEI WB4YDL WW5W	<b>125</b> AA7DK K3PU KC5DRI KD2NF NT7C W2AJM W3UQH WA6POZ WB4OMM WE1P	<b>121</b> AE1P K0MFI K4HBI KB2WAL KB5MH KE4JFS NE0P/9 UR0MC W8DN WB9TFH



<b>120</b>	XE2PXN	W1TR	K5OPB	KC4KK
EA1YO		W5DQ	N3MWQ	KF4DGS
K2CYE	<b>116</b>	W6OAT	N5DD	KJ7TH
K4CGY	K4RGN	W7IV	VE3SUB	N4NQY
KD0R	KI6QDH	W9PN	VE7IG	N5SAN
KD4MZM	KU5B	WA8TWM	VY2RU	N7YY
KD5BRF	N0VR	WX3P	W4AMP	NE9O
KE4SCY (FM06)	NO0B	XE1GK	W4CRN	PU4JOE
N3YPJ	W0DHB		W5AAJ	VE3VRQ
VE1JC		<b>111</b>	W8EH	W8MIL
VE3XK	<b>115</b>	N0SLT	W9VNE	W9RVG
W4LVH	K9MMS	N8IK	XE1R	WA4MYO
WA6RAY	KE6TVM	PC3T		
WB0WAO	KF0QS	W8GBH	<b>107</b>	<b>104</b>
	KM5FA	WZ8P	G4BWP	AB9YC
<b>119</b>	WA3BZT		JA3EGE	AC5K
K0AWU	WC7V	<b>110</b>	K5UIC	AC5RN
K1ZN		K5KR	KF7PG	AC9QR
K2SQS	<b>114</b>	K7LD	KI9A	IK4DRY
K7JIZ	AC8HU	KD5J	KK4LUM	K5PPP
KF7PCL	JA3LZS	KI0F	N3TTT	KB9RNO
KP3V	JR1BAS	KP4JRS	N9OI	KC2TR
KT0P	K2RET	KQ4LA	NF0T	KD9GKL
KW7N	K3RTU	KX5U	US0KW	KJ7OG
N4UPX	K9AAN	N5TIF	W2ODH	KM6WXB
W0QC	KC4GCK	N5YM	W2TTT	KO4LZ
W4SW	KG9Z	W5DM	WB4PPW	N0STP
W7QQ	NF8M	W7JET		N1LDY
WI4T	VE1WOW	W7UP	<b>106</b>	N2FBQ
WM9M	VE3IRR		K0MEI	N3UPS
	W2JLK	<b>109</b>	K5BJW	N7AGF
<b>118</b>	W4ALF	AK6ZZ	K7BWH	NJ1H
J68AS	W4UFO	IW1ARB	K7JE	VE2PIJ
K2GW	WO2C	K2DSW	KB0TIJ	W1TE
K4AZV	WX4US	K2JGL	KC7ICM	W1ZE
K4MSG		K2OO	KE5JXC	W4KVS
KA4LBD	<b>113</b>	K5DNL	KJ6MBW	W6ZQ
KF6MXK	AB4PM	K9GY	KK2DOG	W9MDB
KI7BP	AD5MD	KE6GLA	N0RQ	WB2VUO
KT8X	K3DQB	KJ6CA	N1USB	WB8BZK/VE3
KW4BY	KD4BPZ	KZ7N	N2IPH	
N1QDQ	KD6VCD	N8TMW	N4CE	<b>103</b>
N3JNX	KM5OL	N9TTX	N5FPW	AA5CK
N5EIL	N3JDQ	NN9X	N5YHF	AB0YM
NZ1I	N4YCI	VE3AAQ	N8HM	AB5SS
W2AC / WB2ABK	N5YK	W0YJT	N9XMU	K2OY
W2AC/WB2ABK	W0BM	W1OP	VA3OKG	K4MVL
WB2KSK	W8MSP	W4ZRZ	VE3AJY	K8ZEE
	W8VV	W5MPC/1	WB6VYH	KA1W
<b>117</b>		W7RJR	WQ9F	KB0FHP
AB5J	<b>112</b>	WB6YIY		KB2SGX
K4WS	IK7EOT	WB9W	<b>105</b>	KC9FFV
N4USG	K2MLS		AC4Q	KF0AIJ
N5JEH*	K3GD	<b>108</b>	K4SJA	KF4DVG
NU6V	K5WTA	CF3VRQ	K9MAL	KR4NO
W6WE	KA7T	HB9BZA	KB3JGS	N0YXE
WA1TBV	N5HMH	JA9IPF	KC0JYT	N1JIF

VE7DXG	W5KBD	N5OHL	<b>97</b>	KD6PY
W0TF	W7ISG	N7HRT	AB8M	KI5TE
W3LEO	WB8IMY	N7JPF	AJ9C	KM2O
W6IT	WD5IYT	N7TE	K0HB	KM5NU
W6XU		N8GHZ	K0JQZ	KS4V
	<b>100</b>	N8YV	K0QEI	KT5RR
<b>102</b>	AC0FT	N9MKC	K0SH	N0WVU
AA9MY	AI2S	NB5R	K0YQ	N2LID
AB8JH	AI9U	NH6CJ	K3HZO (FN20)	N2VHZ
AD6KH	K2UA	NI5W	K4GTR	N2XK
EA4DEI	K4UQC	NS2P	K4JQU	N8PAQ
K0HAQ	K5GM	VE2HAY	K8XF	N8YBY
K3HW	K5KV	W2HOG	KA2BSK	NT2A
K5VR	K8IJ	W2VU	KA7EII	NW5Q
K9AM	K9CC	W5JLC	KC0YBM	NY2Z
KA3ZLS	KB9ZLB	W6TJU	KD5CKP	VE2DCP
KB8CR	KC2HLI	WA1LAD	KF4KSN	W4KK
KC6WFS	KC8CC	WA5TRX	KM4NYI	W4TMR
KC8DMN	KC9CMT	WB5NHX	KT5WB	W7JHS
KD8NYO	KD3SW	WB7VVD	N1VMJ	W8DM
KE1AU	KE5CVM	WK5X	N3UMA	WA3EEC
KJ4M	KF0Q	WW2R (EL09)	N4BH	WB0M
KR5V	KG5X		N5OTY	WB5KJE
N1HOQ	KJ5OA	<b>98</b>	N6MA	WP4LNY
N5RMS	N3TBB	AC2RL	N9APK	
VE7ZD	N4NIA	AD8Y	N9IO	<b>95</b>
W4RVZ	N5XTR	K0KC	N9KY	AE0G
W5DPT	N7EME	K0UD	NK7C	AE5EO
W5OV	N8COP	K3IXD	NU0Y	K1PNQ
W7UT	VP2MRM	K3QIA	VA3FIN	K4ED
W9NFL	W2CH	K4OP	W3QT	K8KFJ
WA8EQP	W4/KL7GLL	K5HOB	W4CWA	K8ME
WB5FDP	W4OZK	KA1EKR	W4DAS	K8VD
	W8BZY	KE4LGL	W4ID	KD7WH
	W9DQ	KG4YOU	W7DN	KD8DR
<b>101</b>	WA5TLP	KG7E	WA6OSX	KD9ZR
AE7V	WV9E	KJ2G	WA9LEY	KF6XA
K0RAR		KK0CQ	WB8RVK	KI0SK
K0SBV	<b>99</b>	KY0Q	WB8ZTV	KW9U
K0WJ	AB0SD	N0JJQ	WB9PNU	N1XK
K2NUD	AB3TM	N1JHJ	WE8L	N2SLO
K5DWI	K0YO	N3LRP		N2WLS
K5HX	K4KEW	N5TEY	<b>96</b>	N3WAV
K7SYS	K4WQ	N8AID	AD5OW	N4ET
KB4KBS	K4ZO	NO5X	AE4TQ	N5BLY
KC6AWX	K5VPQ	NO8R	AK4F	N5ENU
KC8CSD	K7DD	VA3VF	K2UF	N5KI
KG8WB	K7PAP	W2KRP	K2UNK	N9IV
KG9IL	K9ZZE	W6TE	K4EQH	N9LJX
KR4WM	KA0ZEE	WA2FGK	K5CRJ	VA3KS
KR7LD	KC2IEB	WA3TLT	K8EMR	VA3PZ
N1IX	KC6X	WB1GQR	K9OT	VE3KZ
N4AOE	KD4MWO	WB2YDS	KA2NDX	VE3SPW
N8VEA	KD6RUH	WD0E	KA3HED	W4YZJ
N9DVS	KR4UA	WH6LR	KB5GI	W5ADA
ON9CMR/W0	M5MYH	WT5H	KB8PNS	W5CBF
VA2LGQ	N4FV	WV5Y	KC0HBP	W5RCQ
W4LLP				

W7JWC	WA7LHZ	K5GDX	N8DEZ	K5CX
W9SX	WA9BXB	K5TDA	NA7L	K5JAZ
WA2ONK	WT9U	K7FU	NR4J	KA0MWA
WA3I	WV7S	K7HKR	NU4N	KF4TVL
WA4WR		K7UWR	OE9KFV	KI0G
WB2SIH	<b>93</b>	KB0PQP	W2SUB	KI4FW
WD8DOT	AG2A	KC4JNW	W4MLN	KI4US
WS4S	AG6CV	KD4QMY	W5KDA	KR4U
XE2AT	AI8F	KE4WBO	WB0NRV	N2GZ
	K0IW	KG4URP	WB7X	N5KAE
<b>94</b>	K1PTF	KM3V	WC4V	N8YSZ
AA4RP	K1ZK	KR7X	XE1GZU	N9RG
AB4VT	K2AK	N2SG		N9UDX
AD1DX	K2MTS	N3GH	<b>90</b>	NE2U
HK4SAN	K4DAM	N4VN	AA0LM	VE3VCF
K3BEE	K5TRI	N5QO	AB4WL	W0HRO
K3TUF	K6RM	N6RPM	AB9DU	W1HY
K4JRK	K7IP	N7DED	AF5BG	W2JEK
K4LDC	K7TRK	NS6E	DL1SMA	W2OK
K4YJ	KB0USF	UT5JAJ	JH4JNG	W4ZMM
K8GT	KC5TGT	W1PV	K1HC	W6VNV
K9DOG	KC5TT	W2ACY	K1KA	W9HT
K9SUL	KC9TTR	W2CVW	K3CWF	WA7SDI
KA2F	KC9UL	W3ACO	K3UAL	WB3IAL
KA9UVY	KD0QG	W3HZU	K4AAP	WM6Y
KB7AK	KE6AZX	W4BP	K4FTP	WQ5C
KC0AUJ	KE6UMW	W4LIA	K4XZ	WR5AY
KC3AK	KE8RPJ	W6NS	K8EAB	XE2NL
KD4VRZ	KI0J	W8JV	KA5TJI	XE3DX
KE3WM	N2BX	WA3JKB	KB5FHK	
KF0LA	N2YTF	WA4EEZ	KB7BSA	<b>88</b>
KG4NLZ	N3AO	WM3O	KK4DZP	AA4QE
KU4JZ	N3ZBK		KW3DX	AE0DX
N0LNE	N4GOA	<b>91</b>	N2ULL	AE4OF
N0LP	N4YHC	AA0CW	N4BRF	AF4MI
N2SU	N7EGY	AD3Y	N5BA	K1RS
N3JBH	N7JI	AE5AU	N9JJ	K3TN
N3XBG	N7KSI	CO2WZ	N9MSG	K4XD
N3YUG	NA9D	K1UR	VA3XOV	K7CTV
N5ZMP	VA7QI	K4SPA	W1HMM	K7WV
N6HY	VE3WMD	K6YK	W9CPV	K7ZYV
N6MXU	W0MHK	K7HPN	W9CSY	K9JF
N7NH	W2VTV	K8OI	WA2BEV	KB2KIR
N7UN	W3ZGD	KB2YWU	WA8OJR	KC1GWX
N8WWM	W4GPM	KB3NDS	WD9HCF	KC3MLC
N9DD	W5DMT	KB7AZ	WE7H	KE7RTB
N9UNX	W6IA	KC5POV	WEST SEATTLE AMATEUR	KE8UM
VA3MA	W7EIR	KC8LGL	WH6LE	KI2D
VE3RX	W7TRX	KG4QWC	WT4C	KI4RFM
VE5MX	W9IFW	KI3O	XE3/K5ENS	KJ4KW
VE7AB	W9NED	KI5BLU		N1CEO
W2GR	W9WI	KM7N	<b>89</b>	N2MKT
W3IPA	WA5ICA	KM9I	AB1TZ	N2ZN
W3TA	WB5CON	KQ6K	AG7NR	N4CAG
W4LNG		N3PPH	G4NBS	N4GN
W5ODD	<b>92</b>	N3WCM	JQ1TIV	N4KIN
W5PUF	K1EY	N7CZ	K4BMM	N4UC

NS3X	KB3MXK	<b>81</b>	WP4NEG	<b>65</b>
NT4TN	KC0V	AB4I	ZL3AAU	JA1XEC
VE2VLJ	KE4DRF	IK8YTA		K5EJ
W2BZR	KK4AND	KE4DZU	<b>74</b>	N7UJJ
W3YX	N2RJ	KG4ERR	AK8B	OK1MP
W4DL	VE3GFN	N6MM	CX4AAJ	W4CCS
W4RXR	VE7DAY	N7NEV	KF2TI	
W7HDD	W1WV	NI4Y	LU4FPZ	<b>64</b>
WA2BTR	W3STU	W3MC	TI2CDA	JG2TSL
WA5MD	W4IT	WA8ZNC	VE6SO	
WK3N	W4RA	XE1EE	WC6DX	<b>63</b>
XE1SOV	W6ST			EA1DR
	W7SIR	<b>80</b>	<b>73</b>	KB0RFY
<b>87</b>	W8DQ	AC6BW	JF1IRW	SV1RK
AC0A	WA4WKL	KE4PT	VP2MJD	
AG4I	WD4LSS	KW1DX	W4WT	<b>62</b>
K4JC	WF4R	N2NS		K4DXA
K5UZ		VY2HF	<b>72</b>	
KC8NAH	<b>84</b>	W5TTY	AB1QB	<b>61</b>
KE6WOX	CT3FT	W6TCP	N4II	CU3AN
KI6RRD	K4EZY	W7AM	PV8ADI	
N0ELA	KE6NDG			<b>60</b>
N2CJN	N1KI	<b>79</b>	<b>71</b>	KP4JFR
NA5DX	N2NWS	K4RW	IC8TEM	S55DX
NE5S	VE2WBK	KP4N	K0GW	
NI5F	W8PU	N2COP	K4GK	<b>59</b>
NN7RM	W8SGR	N5YJZ	K5WPN	OE6IMD
W8GOC		N9RC	W2YR	
WB3IGR	<b>83</b>	VE3CFK	W3FGP	<b>58</b>
WB8JAY	AA6E	W2GW	WC5M	HB9BIN
WF4W	K1LH	W2SKI		KC6NBI
XE1RBV	K4SQC	WN0L	<b>70</b>	SV8CS
	K6JJ		GI4SJQ	WA2MUA
<b>86</b>	K8SIA	<b>78</b>	K4BNC	
AG1T	KB3HHA	K2QPN	KC0ZRX	<b>57</b>
K7FB	KB9LIE	TG9AWS	W2LV	HL2EIZ
KA9OKH	KK7BV	W4NE	W2QO	N5LJL
KI6HQT	KU4WW		W4GP	
KN4MMH	TG9AKH	<b>77</b>		<b>56</b>
KP4TB	W4HFZ	K1IFJ	<b>69</b>	EA5BY
KT1R	W7USB	M10AYR	K3WGR	KI5WA
N2NF	WD6T		WD4LBR	LU8ADX
N3MVF	WD9IOK	<b>76</b>		NI6T
N8TFD	W16Z	K0WYN	<b>68</b>	UX1UA
NZ3O	XE1MM	KI4CYB	AA4S	
VA3MDB		KI7WXP	EH7CD	<b>55</b>
VA7LM	<b>82</b>	N1GNB	K6CF	LA3MHA
W8IW	AD4IE	N2MH/4	KW4OV	US5WE
WA1PMA	KC5YKX			WA2EMF
WA4USA	KG4KVZ	<b>75</b>	<b>67</b>	
WB4GCS	N1SF	G4RGK	W7YED	<b>54</b>
XE2AU	PU8TEP	K3PP		AG4KI
	W5DAS	K8QM	<b>66</b>	
<b>85</b>	W7YOZ	N5GH	K6KLY	<b>53</b>
EI3IO	W8GG	NP3YL	KK4YEL	K0BBC
K1UU	WA2ONG	NX7U		PP1CZ
K4LRP	ZS6NK	W5UC		

<b>51</b> CT1ETE N8OFS VE9FCP	G4FKA IZ8EDJ K8YSE	KC9ELU NL7CO WP4NIX	<b>17</b> G3LZQ OE3SGU PY2XAT W0JM	<b>10</b> DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW
<b>50</b> JL3MCM	<b>37</b> JA9APS	<b>26</b> HL2WA WB7QXU	<b>16</b> N6VHF	
<b>48</b> G8BQX JA9KRO K15KC N6DBF N8MR NP3IR SP5QWB YY4DNN	<b>36</b> HB9RUZ JH9DRL	<b>25</b> EA4/K1WE HB9EFK	<b>15</b> 9K2BM EI2GLB HL4GAV JR3UIC LU5FF PY2RN UT3UA UX0DL WC2C	<b>9</b> DL7BA EB1EWE EC7ZK G6BFP JA1MZL KD3UY VK9DX
<b>47</b> HB9RYZ	<b>35</b> GI4OWA LU9DO	<b>24</b> EI2JD KS4YX ON6AB PA7TWO		
<b>46</b> LU2DX	<b>34</b> BA7NQ G4SEU LA2QM	<b>23</b> GM4ILS HB9G JL1UXH K4SLC KP4EIT LA6OP W8MK	<b>14</b> HB9HIT JA2XCR KB8DVT PV8RR PY2OC W9TTY	<b>8</b> DK2LO HB9ALO JA1CPU JA2FGL JE3PCP N8RO
<b>45</b> JA6WJL K4TXJ	<b>33</b> HL2IFR UR5WA UR9QQ W8GC WB4SON WB8TGY (EN72)	<b>22</b> 9H1SP IZ3ENH		<b>7</b> G8APB IZ0INX JA2NDQ JI2UDK LA3DV N5ORT NJ4Y ZS4TX
<b>44</b> DL5XJ WO3T XE2YWH/1	<b>32</b> N3LRH N6PAZ NP4TT SM6WET YL2JZ	<b>21</b> EA1YN	<b>13</b> K4WY PY2MC W4PWF	
<b>43</b> 8P6SH CT1EEN K4ZIN SV2AEL	<b>31</b> HA5PT	<b>20</b> CX1FK DM2RM HL4CJG I1FQH N1WC PY5EW W8LR YL3HA	<b>12</b> EA3GP F4ESV HB9DDZ IK2RPE JE2UFF JK1UNZ JN1RQV N1IW PA7RA ZS6WB	<b>6</b> CT2FEY DH0GSU DL1TRK EA8MT EI2JC HB9FMN JA7NGE JJ2NWI PY2VA
<b>42</b> TF3JB	<b>30</b> E72X JA1WSK JO7WXN WA6DNR			
<b>41</b> K0BBC/R	<b>29</b> JE1VTZ OE4VIE	<b>19</b> EA6BB JI4WAO PY2HN SP8NR	<b>11</b> A65BR DL2OE EA4DAU EA4ZK F4BDG G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU	
<b>40</b> E75AA JF1LMB JR0QFA WB8TGY	<b>28</b> CT8/K0RUI JA6CRP K0FMI OH3DP	<b>18</b> AJ6V KJ4EU VE6TA (DO31) W0HBH		<b>5</b> DL5LH EA1AAA EA7ZY HB9GWJ JE1LFX JI5USJ JJ1IDW KB8VAO EN91KT M1VPN
<b>39</b> AA5PK	<b>27</b> IZ4DPV JL3LSF			
<b>38</b> DD3KF DU1EV				

MU0GSY  
OH4UI  
OK1IN  
ON5UE  
PP2RON  
SK6QA  
VE2NGH  
VR2XMT  
W1ZR  
W2ZF  
YL2CZ

**4**

DL1TS  
F1DFR  
IV3GOW  
JH7IPR  
JK6DXD  
S51NM  
UT5EL  
XE1SAX

**3**

DJ5AV  
DL2KQ  
EA1AR  
EA4D  
F1RAF  
G3LHJ  
GM4CFS  
HA9PP  
HL2ZN  
IK0WRB  
IK3ITB  
IK8EPC  
IK8GYS  
IW3GJF  
JH7IMX  
JM1GHT  
JN1BPM  
JR6IQI  
PY5IP  
SA7CJO  
SV1VN  
W1CBY  
WD9EWK (DM43)  
YB1TJ  
YL2MU

**2**

5B4ALJ  
7J1ADJ  
9A2GA  
9K2NO  
BV6CC  
CO6CBF  
DF8FT

DK1CO  
EH4BPJ  
ES8JX  
F5TMJ  
G0THY  
G4DDL  
G8GNI  
GI4ONL  
IK1IYU  
IK2GOQ  
IZ8XQC  
JA6AVT  
JA6SZV  
JA9FAI  
JG1JPE  
K7LY  
KEN IN NEBRASKA  
LA2CQ  
OH3KAV  
SV1XV  
SV3FUO  
YB2DX  
YL2KF

**1**

3A2MW  
9A2EY  
BD4UJ  
CT1AHU  
DH8BQA  
DJ3ZF  
DL2DCX  
DL4ZAB  
EA3WD  
EA4GQS  
G4VSS  
G6MXL  
G7SQS  
G8TTI  
IK5BSC  
IW0AFS  
IZ0BTV  
IZ3DBA  
IZ5FSA  
JA1GZK  
JA7VXB  
JH8XVT  
JL2ULM  
JN3ONX  
KC3KJQ  
KG4JSZ  
KH6WI  
KP4DER  
MM0INH  
OK1UU  
ON6NA  
OZ1IKY

SM3GBA  
SM6LPG  
SQ5NRY  
UN8G  
UR5EDX  
VR2VGM  
WB7VUF  
YL2CA  
YO8WW