

## 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>	W4UDH	<b>484</b>	<b>474</b>	<b>464</b>	<b>448</b>
AA0MZ	W5ADD	K0SIX	W6XK	KB9OWD	XE2K
AA5AM	W5AFY	W5ZN			
AA5C	W5AJ		<b>473</b>	<b>463</b>	<b>447</b>
AA7A	W5FF	<b>483</b>	N5WS	VE3EK	K4HB
A15I	W5KI	AC0RA	NQ7R		KS7S
K0GU	W5OZI	K0TPP	WB0O	<b>462</b>	N4SC
K1TOL	W7GJ	K1USA		K6ZH	W3UR
K4PI	W7JW	K5ND	<b>472</b>	N6ORB	W5EME
K4XO	W7KNT	W0VTT	A11K		W5XC
K5RK	W7MEM	W5VY	KB7ME	<b>461</b>	
K5UR	W9FF		N4WW	NA9RB	<b>446</b>
K5WE	W9JN	<b>481</b>	WD8JJA		K6EID
K7CW	W9RM	W9VHF		<b>458</b>	N4QS
K8SIX	W9XX		<b>471</b>	KG5THG	NV4B
K9CT	WD5K	<b>480</b>	AF5CC	N9BCA	
KA9CFD	WQ5S	N7KA	WD5COV	WB9CIF	<b>445</b>
KA9FOX	WS9V	WB0ULX			KU7Z
KD5M			<b>470</b>	<b>457</b>	N5NA
KG5CCI	<b>487</b>	<b>479</b>	N5KO	K4MY	
KM0A	K7MAC	AD6D			<b>444</b>
KO9A	K7TM	W5WVO	<b>469</b>	<b>456</b>	N7BAV
KR7O	K9YY		K7BG	N4JQQ	W4DR
KV5W	N0AKC	<b>478</b>	KM0T		
N0LL	N7CW	AE5B	N4TB	<b>455</b>	<b>443</b>
N0LWF	N7IR	K5GZR	N7ZO	K4SO	AB4IQ
N0PB	N7NW				K4XP
N0TB	N9ISN	<b>477</b>	<b>467</b>	<b>454</b>	N4MM
N1AV	NA6L	NC6K	AD1C	WE9R	
N3SL		W9RN	WO7R		<b>442</b>
N3XX	<b>486</b>	XE2CQ		<b>453</b>	N8OC
N5DG	K1TO		<b>466</b>	K4YMQ	
N5OMG	KY7M	<b>476</b>	K0BJ		<b>440</b>
N6JV	N0KE	KC7QY	KA0JGH	<b>450</b>	AG9S
N9LB		KC7V	KB6NAN	AJ4F	K8TB
N9UM	<b>485</b>	XE2OR	N5EKO	N9BX	KB8VAO
ND0B	K5XI		WX7M		W2IRT
W0FY	K9MU	<b>475</b>		<b>449</b>	W3LPL
W0JW	N0POH	KX4R	<b>465</b>	KF6HI	
W0LGQ	W3IP	WA7HQD	ND4X	W8TN	<b>438</b>
W3CP					NE1B

<b>437</b> NY0V	<b>426</b> K4ZOT K8ZR N5OK	<b>412</b> N2NL	<b>396</b> KB8U	<b>383</b> N4UFO	<b>369</b> KF8UN N2DPF
<b>436</b> K3SX K7PI KD3CQ W3TC WB8ART WB8ZBT	<b>425</b> WA1EAZ	<b>411</b> K9MK	<b>395</b> AA5XE K0AZ K5WBM KF7CQ	<b>382</b> K5PI K6VHF VE3YXO	<b>368</b> KB0V W5RCI W6GMT
<b>435</b> K9KLD KF6A	<b>424</b> N4UFP N9AKR W3EP	<b>410</b> KE7SW KI8G	<b>393</b> K7XC KK4MA W4TV	<b>381</b> W3VZ	<b>367</b> KC4HW KR4BD NT9E W7YAQ
<b>434</b> K1HTV N9PGG	<b>423</b> AJ4A W5THT	<b>409</b> N4HN	<b>392</b> AF4HX K7SMA VE4EAR W6OMF	<b>380</b> K7MCX NM5U WA5LFD	<b>366</b> KI7JA N4LR
<b>433</b> N9FN W9WO	<b>422</b> VE6WQ	<b>408</b> W7BA	<b>391</b> W4AVY	<b>379</b> N8WNA	<b>365</b> K4JJW KG7CW KZ2I WB4EVH
<b>432</b> K6GXO N6KK W5TRL WB7CJO	<b>421</b> K8ROX WB8BPU	<b>407</b> W4AS W5CIA	<b>390</b> VE2XK 6M FN07 WA6MG	<b>376</b> AA5JF K8VFX N2WK NJ6D	<b>364</b> AA4ZZ AB5EB JA7QVI N6QQ
<b>431</b> K0TLM N2QT	<b>420</b> KB9DAK VE3LYC	<b>406</b> AK3E K6FG N9EAT	<b>388</b> K0IP W4WRL	<b>375</b> K6QG WB4OQX	<b>363</b> W4NH
<b>430</b> K1TEO KF8MY N5TJ NI0G	<b>419</b> K7NN W5AL XE2X	<b>405</b> AA4SC K5CKS	<b>387</b> K2TER KV4T N4CH	<b>374</b> N1EVK N6GP N7DB	<b>362</b> WA5OLT
<b>429</b> K1SIX WA5JCI	<b>418</b> K4RWP K7ND	<b>404</b> KE8KMX NH6T/W4	<b>386</b> N7IJ NN4R W5TFW W7AH WE4S	<b>373</b> K4SSO	<b>361</b> K7XB K8BL K9NR N7MB N8KOL NE9U NG4C
<b>428</b> K9APW KP4AJ N4TL	<b>417</b> K5OMC K7AWB KO4MA N5SYV W0GJ WB5JID	<b>403</b> K3FM	<b>385</b> KF0M NK1K VE6MB W4WTA	<b>372</b> W5MO	<b>360</b> AA4FF K6UM (CN85) N3OC
<b>427</b> N4QWZ W3LL	<b>416</b> AH0U K7KQA W0GN	<b>402</b> W0JRP W3UUM	<b>384</b> AA1ON AB4SF K1GG K8ROK	<b>371</b> WA6BYA	<b>359</b> NI0P
	<b>415</b> N5BO N8IEZ W1NG W5JAY	<b>401</b> K4CKS			
	<b>414</b> W0JRP W3UUM	<b>400</b> K4CKS			
	<b>413</b> WA9LFO	<b>399</b> K5RT			

WR7X	<b>343</b> AB4EJ K5EK	<b>333</b> FG8OJ KM4HI KN4NN N0IGZ W3GQ	<b>325</b> WA2AEY	WF7T	<b>304</b> K6IPF W4FC WA0GUD
<b>358</b> K5RLA			<b>324</b> K9SH KU4A N2BJ N8HRZ VE3TMG	<b>314</b> KU4XO	
<b>357</b> K4LVV W5PR	<b>341</b> KD7DCR WA7YAZ			<b>313</b> K0TC N6NR NF4A W4GLV W5RKN	<b>303</b> EA8DBM K8TGC K8TL
<b>355</b> N2ZX NY1V WA9DU	<b>340</b> N0AN W8LMG	<b>332</b> AA7UN AB9BH N4JDB N7KDT VA3IKE W9GM	<b>323</b> K10E N8II W8KEN WW0E		<b>302</b> KB2TGU W3TI
<b>354</b> AB1OC K0DEQ	<b>339</b> KE4BKL VA7FC W5VAS	<b>331</b> K8WDA KC0UDO N4MW N6KZ	<b>322</b> VA6SZ	<b>312</b> AF6O KA2GOJ WA1NLG WB3LHD WO2T	<b>301</b> N0HJZ N2ZZ VE1JBC W7IB W9OBG WB0TVY
<b>353</b> AF2K K0CS K8EB	<b>338</b> VE3SXE WA5KBH		<b>321</b> NC7B NS4C W9VA	<b>311</b> AC9S KM3T KS4XQ W2BZY W5DB	<b>300</b> AA4V K0DD K0PHP K0SRL KB6VFC N3KN WA2BAH WX0Z WX2S
<b>352</b> NZ3M W0KKK W1JR W7FI WA9PWP XE2ML	<b>337</b> K8ZES W9EWZ WA5RT	<b>330</b> KB8MBC NK0S	<b>320</b> K0VG N4DW	<b>310</b> AA1QD AA8SW NG7M NJ7G VA2WA W9KVR WO4DX	
<b>350</b> AA4FL N6VI N8YO	<b>336</b> AC9DX K5KDX K7BV K8GI K9QVB/9 VE3DS WO9S	<b>329</b> N2JJ W1DYJ W2OR W8WG W9XA WX4G	<b>319</b> N7US VE7BV W4ER		<b>299</b> VE6WK W1LE W5SUM W8UV WB5GVY
<b>349</b> K8JH KA0BAD	<b>335</b> K5FUV K5FZ K9QVB KB1EFS KB4MRX W9GKA	<b>328</b> K6ME N5PT W2CNS	<b>318</b> N3ALN W4HY W4MAY	<b>307</b> KE5K KS4S W3ATV W9RPM WB4KTF	
<b>347</b> KT8O		<b>327</b> K6EME KJ5RC N0YO NU6S W9DCT	<b>317</b> W1SKU WA7PDC		<b>298</b> KD4WSC N1NK N4IQ
<b>345</b> W3XY XE2YWH	<b>334</b> K0OOK K3TRM N3RC N4UFO (EM95) N9DR N9XG WB5TOI	<b>326</b> K2ZD K5DTC K6LMN KD5XB W7JLC	<b>316</b> K3FN KA0ABA N1KDO W4UCK W9BWR	<b>306</b> K6RO VE3XN WV9L	<b>297</b> N8YQX N9LF
<b>344</b> K6FW KB0PE KG8P W1OW			<b>315</b> K5VH KG6AY NY2NY	<b>305</b> K6UM (CM88) KF2T KT1J WA9M	<b>296</b> K6YUI KC7RW

<b>295</b> KE4P N7NT W2HRO	<b>284</b> AB0RX K0KP K4DET NJ2F (EL96) RETIRED	<b>276</b> K2CS K2UU K5TWJ K7TAB KE8Y	<b>268</b> K6OJ KX7L N9ZTS W0KAN	K3TWK KB8UUZ N3EW	<b>253</b> KG4ERR N2XQM
<b>294</b> K6JSV			<b>267</b> K8DP KG6EG KX9N N2AMC N3PS N7UVH N8EHW W4FSO W5WP W9DRB	<b>260</b> JR1LZK K6JAD N6HC W0PR	<b>252</b> AB5A K1ACL NN4RR VE6NTT VE6SH
<b>293</b> K3AX K4KJZ N4JJ N4MI W2GKR W4VC WA2IIE	<b>283</b> W8OP WA0FQK WB0CQO	<b>275</b> K1MAA K2NJ N4GG W0FK W8PI WA4NVM		<b>259</b> AK0MR KD4ADC KG6I KN5O N1RR NS7K NY1E VE6BMX W2JU	<b>251</b> AD5JK K1NJ K3NK KG7NV NN4SS
<b>292</b> KJ6P W1SSN	<b>282</b> AA0ZP DK8NE K5TA N0GZ N8JCM W4WM	<b>274</b> KB1DMX	<b>266</b> K1OA K1WVX TG9AJR WB8EJN	<b>258</b> K1BD K2HAT NA2NY WB7ECS	<b>250</b> AA9LC K0CCM NW6R
<b>291</b> W1WHL	<b>281</b> K4OY NL7CO W2YE	<b>273</b> KM4H KV1J NA5Z WB0OQV	<b>265</b> N5KS	<b>257</b> K2KA K5QE KD4MYE N5DTT PY2XB W7CT WA2HFI/0	<b>249</b> K8AO KQ5U N1GC
<b>290</b> W3HDH WA8EFK	<b>280</b> JG1TSG N0KV NM5Z	<b>272</b> K0PG XE1AO	<b>264</b> AC8L K2BLA K4JAF N0TK N9JR NF1O		<b>248</b> CT1IUA K1ZZ W6VFA
<b>289</b> K4MM K9FA N5BCA NQ7G W4LTJ	<b>279</b> N3JPU W0RH W0VHF (EL87) XE1FAS	<b>271</b> K4NNX K7NII KB7FUV W3HHN	<b>263</b> AK4PR K1ST K3VAT K4XR K9AAA WB7QBS		<b>247</b> W1FKF W3TEF W9TA
<b>288</b> AA4LR HC2FG K1NU N6AR W1DU W4HLR	<b>278</b> AA9D AJ4W K3JT N0LNO N8BJQ NN1N WA4HFN	<b>270</b> AA8MA K4SPD KC9FQD N2LIV W4QK W5DNT W7JY WZ9B	<b>262</b> AE5FM K3CWH KL7HBK N4ST ND4DX WA0KBZ	<b>256</b> K3WA N8ZJN	<b>246</b> K0DAS KK8X N5TIT W4FRA WI7P
<b>287</b> JE1BMJ N8CGY	<b>277</b> AC7JM K7ULS K9UO NS4T PV8DX	<b>269</b> K1GJQ K2IE K3ZO KD5R N5EPA N5WD		<b>255</b> K8MVZ KG4JPL W0NOZ WA8KNE	<b>245</b> N1IA VA3CW W3SW WA8ZID
<b>286</b> AG1A			<b>261</b> AF2F	<b>254</b> KF8QL N7QOZ VE3OTL WD5ITW	<b>244</b> AA9RR
<b>285</b> K5CZD N0LD					

K8DV	K4NK	KE4UW	W8GJ	W8RD	KE4HOA
KD8JSP	KL0S	N4NX	WA2BOT		N5ITO
N3AIU (FM08)	MD0CCE	NN5DX		<b>212</b>	N9ATF
N4JRY	N3FTI		<b>221</b>	AB5C	W8QID
VA3ZV	N9ATD	<b>228</b>	K5WMH	K6TDI	
VE3VHB	W5AJX	K5RUS	K6CQR	KF7NN	<b>204</b>
W0VD	W9OO	K7HSJ	N0PSJ	N2OA	IT9IPQ
WD4IXD		KF2ZQ	N4ION	N5PA	W5LUA
	<b>235</b>	N8AIA	N5UWY		XE1YY
<b>243</b>	ND0C	W5HEZ		<b>211</b>	
JA1QJI	VO1GO		<b>220</b>	K8YC	<b>203</b>
K3TC	WB6RJH	<b>227</b>	HC1BI	K9FOH	K0VSV
W4EJ	WT2P	JA1UAV	K7BTW	NE8S	K5HYT
YV1DIG	WZ9W	K8ZT		VE3SMA	K5LOW
		K9TF	<b>219</b>	W5HNC	N0HF
<b>242</b>	<b>234</b>	KS9A	AI9L		N8SYF
K3WW	CT1EEB	W4KXY	K2RKJ	<b>210</b>	NR0Q
KA3TCC	KE6FCT		KE5RV	K3MSB	W1RM
N8LRG		<b>226</b>	W5JMW	K9YC	W9GFB
WA8MCD	<b>233</b>	AF5WN	W6DPD	KL7NO	W9VOB
	K1AFC	N7CNH	W7ZSL	N6UK	
<b>241</b>	K3FRK	N8UR	WB2WIH (FN20)	WQ9T	<b>202</b>
N6NU	N3AIU (DM45)	NM5S			K1BZ
W5LO	N9NJS	W0VX	<b>218</b>	<b>209</b>	K5GJR
	VE7VZ	WQ6Q	K1XH	AA4IB	WC7X
<b>240</b>	W3DF		K4IJQ	N1TQ	WF8Z
AB5GU	W8PAT	<b>225</b>	KB8KVJ	W5WGF	WQ5W
KG5EIU	XE1L	AC9O		WA4NFO	
KI0HA		K9QJ	<b>217</b>		<b>201</b>
KK4ZUU	<b>232</b>	KF9UG	ND4V	<b>208</b>	AA7WB
KO6LU	AE4WG	KX9X (EN50)	W4DEE	AI2N	KC5FP
VA3HP	K5FO	N2WSY		CO8DM	KO9V
W1VT	N9NJY	N4SV	<b>216</b>	KD5HIO	KR0I
WA2VJL	VE6TA (DO33)	VE3MSC	K7RB	PV8ABC	NN0K
	W0PPA	W8AKS	N0IS		WA1MKE
<b>239</b>		WN6W	NE1F	<b>207</b>	WA9ASZ
F4BKV	<b>231</b>		W5RWF	JM1SZY	XE2N
KF4LVF	K4MIJ	<b>224</b>		N1BCL	
W6RW	K6HEW	JP1LRT	<b>215</b>	N8NJA	<b>200</b>
W9YOY/M	KF6GYM	K9MQ	AL7OC		4A2MAX
WA3SEE	W9XT	WA4YA	K2SX	<b>206</b>	N5AO
WB1FLD			KI5FJ	AB0CT	N9AG
	<b>230</b>	<b>223</b>	N6KW	AK4Y	NA5C
<b>238</b>	JM1IGJ	GD0TEP		K9YC (EN61)	VA3VU
AA3GM	K1ZE	K7UA	<b>214</b>	KB0LYL	W1AW
KV7N	KO4MM	NJ7A	KB9PJL	NA5Q	
	VA3XJ		VE3SYK	PV8AZ	<b>199</b>
<b>237</b>	WB0WAO/8	<b>222</b>	WA7AJ	W4EJG	JA8ISU
K3KO		K0YY		XE1J	K4GHS
K4QE	<b>229</b>	K2TV	<b>213</b>		N3KFV
	K6RG	K3AJ	K3DFL	<b>205</b>	NJ8J
<b>236</b>	KB9RUG	KA1LMR	KI6X	AF4OD	W0BNE
K0SU	KD5IKG	KD4K	W0NBC	K8SD	W4OEP

WB0YEA	<b>191</b>	N2YU	<b>179</b>	NA2NY (ex-NA1V)	KB1YNT
<b>198</b>	JR3REX	NA2R	KU4WD	NA6O	KE5EP
AC8TO	K0ITC	PY5CC	N0LIE	W3SO	LU4FW
N0UK	K3HPA	W3OU	N0MMA	WA2PNI	N0NHW
N7EPD	K9CS	W5BPT	NH7RO	<b>173</b>	NO0T
NX0I	KK6OH	<b>184</b>	VA3DPB	K2ZZ	TG9ADQ
WA7KYM	N9AMW	AF5Q	W8LHP	K5YPV	W1BAT
<b>197</b>	WA2BKN	K0DEW	WA4QMQ	KE4SCY	<b>166</b>
K3EGE	WA5CAM	KB1HY	<b>178</b>	<b>172</b>	KC2GHT
N4BAF	WD4JHD	KR4M	JR2HCB	AB9KZ	N5VU
W3TW	<b>190</b>	N1IBM	KA2AYR	K5ZED	NC4RY
W5CTV	K5ER	N4BG	KB0EO	KI4PKW	VA3WEB
W9TD	KC2DLD	<b>183</b>	KB1RZA	KJ6HI	WB4KXS
<b>196</b>	N9UA	K5RQ	KG5RJ	VE2PN	<b>165</b>
K0AIZ	W1ATV	N0FJP	KK8MM	W4ABC	K4DXT
K0NR	W2OO	N0UBL	N1ZUK	<b>171</b>	KD5HPT
N5DUW	<b>189</b>	W2UDT	NQ2O	AA4PB	N1JFU
W2AMR	KC0MEA	<b>182</b>	VA2CY	HP2AT	W0RIC
XE2ED	W3SZ	AJ6T	VE3NRT	KC5GSK	<b>164</b>
XE2W	WA5VKS	DF3CB	W0ZY	KC5YCH	K2SD
<b>195</b>	<b>188</b>	FP/KV1J	W1MAD	KI4TZ	K5VWW
AA4W	AD7KI	K5GMX	WY7FD	NS3L	KD0UHN
JA7MSQ	KD4HLG	K8WK	<b>177</b>	W1PX	KF9US
K6VDP	W4AZR	W2CCC	AG4ZE	WA2KBZ	W4CSW
KC0VDY	W6AER	XE1CL	K2QQ	<b>170</b>	WK7G
KG6WIK	WA7VHF	<b>181</b>	KI4BWW	K5DB	<b>163</b>
<b>194</b>	WU9Q	AB9FN	SM7FJE	K9TVG	K2JF
K2MRK	WX9M	K4CMS	W5ZG	N4GBK	K2YSY
N3FA	<b>187</b>	K5HDE	WA8UEG	N8CN	K3EA
N9NFT	JF8QNF	KB8YKR	<b>176</b>	NA2U	N5XZ
WF1H	KD3HN	N3XJX	AD5ZA	W4IHI	<b>162</b>
WK8A	KQ0J	N4DTF	K0DI	W4JKC	AF4GK
<b>193</b>	N1SV	NY0A	KX9X	WK3V	K0QB
K7PT	<b>186</b>	W2ZDP	N5QGH	<b>169</b>	KA1R
K9AB	DJ5FI	W4RBO	NP4BM	K6XC	KD4TDI
<b>192</b>	K6ZZ	W9BS	W5AFD	KD5OMJ	W9JJB
N1LF	K8PT	WJ1B	WA5IPS	N2BEG	W9VS
N2NB	K9SG	<b>180</b>	WW2R	N5XES	WA1Z
N3CAL	KN4PPD	K0OST	<b>175</b>	N7PHY	<b>161</b>
N3NR	KN7K	K4LYN	N7LAN	VE3HHT	K4EA
N4LXB	N0XLR	KC1MMC	PV8BR	W8KNO	KB3CWQ
N4TV	N6ZE	N1RK	<b>174</b>	<b>168</b>	N2YBB
W6MTR	<b>185</b>	N6PEQ	K3MD	KG5ZMQ	V44KAI
W8FN	AD6W	N6VH	K6WRL	W8WEJ	VE3LC
	K2WJ	NI3K	KC6ZWT	<b>167</b>	W4HOG
	KD5BQT	WA5RR	KG7P	K4MQG	
	KU4UC		KU0A		
			N1MGO		

<b>160</b> K5IQ WA3DRC	N6DHZ W3DQS W5FI W9ILY WB5ZAM	WA3YGQ	W4FS W4POT W6ZI WB9WHQ WR7AY	<b>136</b> K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R OE6IMD W2JCN W4AVV W7UV XE2JS	NE1I VE3TM WN6K
<b>159</b> 4O3A K4MZ NS7B W1EME W4TTO WB8NUT	<b>152</b> N1NUM N2WM NU1T UT7QF W6IA WO4G	<b>146</b> K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	<b>140</b> AC5DK CO2WF CT1BWU JA1AFR K1UO K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VE3KY W4TUN W6DQ WA4KXY	<b>131</b> K3NAT KG9R N2CJ	<b>130</b> AB0X AK8CW K0GUR K4JKB KC4NX KE8RJU NG9R PV8AJ VE1DX VE2TZT W0PHX W2LES W3FEY WA2SEI WB4YDL WW5W
<b>158</b> K8CR KI0D N2CG	<b>151</b> KO0Z W1ZT W2DXE	<b>145</b> KD7YZ V31MD VA3TTX WA4JA	<b>135</b> CU3EQ K4MWB K8ZIZ N4DB N8XE W6BXQ WB8BZK WW2DX XE1H	<b>133</b> AB1NS AB4GE BA4SI C6ABB HK3W KE5FXE N3AIU (DN70) N8GOU W4TKI WA3WZR	<b>129</b> 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR NZ6N
<b>157</b> K4FX KB8GC WA7NB	<b>150</b> K1EP N9LAH NE6I VE3OAT W7APM	<b>144</b> K0TLG K5TDW K6JRA K8MN K8WU KA8SYV N9DI W5MPC WO7GI	<b>139</b> IZ8FFA K1DT KC7JPC KU0G N3FX NA2AA W2PD W4OV WA5TKU WB2JIL WY0V	<b>134</b> KA5ETS KC1RET KE1VT KM8V N7T W0RT W4GE WW7Q XE2O	<b>128</b> KC7QAG KJ6SDF KN4DMN W0WT W5ZO W8FR WB2WEO WQ7F
<b>156</b> K2KJ N3RN N9KO VE7VDX	<b>149</b> AB6CF K4SAN KK9H WB4VHF	<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> KA5ETS KC1RET KE1VT KM8V N7T W0RT W4GE WW7Q XE2O	<b>127</b> AA9RK K3GYK K7UV
<b>155</b> AE4M K3TD K6XN N7AU N9OBE NY4I TG9ANF VA3NQ WV8DX	<b>148</b> AC0DQ AG0A G0OIL K0RU K7IU KB2YSI N0TM N5ZBI W6VNIQ (CM88) WB6RAB	<b>142</b> NA2X NC4VA W5SWV WS4V	<b>137</b> KK0DX N1SZ N5JGK SM7AED	<b>132</b> AB3CV K5VG KW4G N4PPH	
<b>154</b> AE4NT KB9VMW W3ZQN	<b>147</b> AF6AV IZ1LBG K6PSP KC1BUF VE3CX W4YCC W5WOX WA0VPJ	<b>141</b> K4AR K9ATX KT8TD N9FIV			
<b>153</b> AA4NC AB4GG JA1OVD K7AD K7ZD KW0A N1OFZ N2ADV					

K8AC	W3SE	K1ZN	K9MMS	<b>111</b>	VE7IG
K8OS	W4DFU	K2SQS	KE6TVM	N0SLT	VY2RU
KB3OZC	W4PRZ	K4MSG	KF0QS	N8IK	W4AMP
KB9TLV	W5EWF	K7JIZ	KM5FA	PC3T	W4CRN
KC0RQH	W7MHW	KF7PCL	WA3BZT	W8GBH	W5AAJ
N2ZA	W8BI	KP3V	WC7V	WZ8P	W8EH
NO8D	W8KHP	KT0P			W9VNE
VE2JWH	WA8WV	KW7N	<b>114</b>	<b>110</b>	XE1R
W1FLD	WB2RVX	N4UPX	AC8HU	K5KR	
WA6BIL		W0QC	K2RET	K7LD	<b>107</b>
	<b>122</b>	W4SW	K3RTU	KD5J	G4BWP
<b>126</b>	GM4UYE	W7QQ	K9AAN	KI0F	JA3EGE
KJ7G	K7AED	WI4T	KC4GCK	KP4JRS	K5UIC
N0BDS	K7OGW	WM9M	KG9Z	KQ4LA	KF7PG
N7DGI	KA9JAC		NF8M	KX5U	KI9A
WB4HUC	KB4UF	<b>118</b>	VE1WOW	N5TIF	KK4LUM
YL2AO	KB5WFE	J68AS	VE3IRR	N5YM	N3TTT
	KC5UGX	K4AZV	W2JLK	W5DM	N9OI
<b>125</b>	N5HYV	KA4LBD	W4ALF	W7JET	NF0T
AA7DK	VE6PY	KF6MXK	W4UFO	W7UP	US0KW
K3PU	VE7JAC	KI7BP	WO2C		W2ODH
KC5DRI	WD0GTY	KT8X	WX4US	<b>109</b>	W2TTT
KD2NF		KW4BY		AA6I	WB4PPW
NT7C	<b>121</b>	N1QDQ	<b>113</b>	AK6ZZ	
W2AJM	AE1P	N3JNX	AB4PM	IW1ARB	<b>106</b>
W3UQH	K0MFI	N5EIL	AD5MD	K2DSW	K0MEI
WA6POZ	K4HBI	NZ1I	K3DQB	K2JGL	K5BJW
WB4OMM	KB2WAL	W2AC / WB2ABK	KD4BPZ	K2OO	K7BWH
WE1P	KB5MH	W2AC/WB2ABK	KD6VCD	K5DNL	K7JE
	KE4JFS	WB2KSK	KM5OL	K9GY	KB0TIJ
<b>124</b>	NE0P/9		N3JDQ	KE6GLA	KC7ICM
K0DLW	UR0MC	<b>117</b>	N4YCI	KJ6CA	KE5JXC
K8VA	W8DN	AB5J	N5YK	KZ7N	KJ6MBW
KB0HH (EM06)	WB9TFH	K4WS	W0BM	N8TMW	KK2DOG
KD5FTD		N4USG	W8MSP	N9TTX	N0RQ
KM1C	<b>120</b>	N5JEH*	W8VW	NN9X	N1USB
KT5MR	EA1YO	N5LPT	WD0ENC	VE3AAQ	N2IPH
N0SL	K2CYE	NU6V		W0YJT	N4CE
N9AZZ	K4CGY	W6WE	<b>112</b>	W1OP	N5FPW
PV8AAS	KD0R	WA1TBV	IK7EOT	W4ZRZ	N5YHF
W0PE	KD4MZM	XE2PXN	K2MLS	W5MPC/1	N8HM
W1TAM	KD5BRF		K3GD	W7RJR	N9XMU
W7YM	KE4SCY (FM06)	<b>116</b>	K5WTA	WB6YIY	VA3OKG
W9CDL	N3YPJ	JR1BAS	KA7T	WB9W	VE3AJY
	VE1JC	K4RGN	N5HMH		WB6VYH
<b>123</b>	VE3XK	KI6QDH	W1TR	<b>108</b>	WQ9F
AC7AF	W4LVH	KU5B	W5DQ	CF3VRQ	
K9SM	WA6RAY	N0VR	W6OAT	HB9BZA	<b>105</b>
KB0GT	WB0WAO	NO0B	W7IV	JA9IPF	AC4Q
KB0STN		W0DHB	W9PN	K5OPB	K4SJA
KG6DHQ	<b>119</b>		WA8TWM	N3MWQ	K9MAL
VE3TG	AE5AU	<b>115</b>	WX3P	N5DD	KB3JGS
W1HS	K0AWU	JA3LZS	XE1GK	VE3SUB	KC0JYT

KC4KK	KF4DVG	KR7LD	K4ZO	N1JHJ	WA6OSX
KF4DGS	KR4NO	N1IX	K5VPQ	N3LRP	WA9LEY
KJ7TH	N0YXE	N4AOE	K7DD	N5TEY	WB8RVK
N4NQY	N1JIF	N8VEA	K7PAP	N8AID	WB8ZTV
N5SAN	VE7DXG	N9DVS	K9ZZE	NO5X	WB9PNU
N7YY	W0TF	ON9CMR/W0	KA0ZEE	NO8R	WE8L
NE9O	W3LEO	VA2LGQ	KC2IEB	VA3VF	
PU4JOE	W6IT	W4LLP	KC6X	W2KRP	<b>96</b>
VE3VRQ	W6XU	W5KBD	KD4MWO	W6TE	AD5OW
W8MIL		W7ISG	KD6RUH	WA2FGK	AE4TQ
W9RVG	<b>102</b>	WB8IMY	KR4UA	WA3TLT	AK4F
WA4MYO	AA9MY	WD5IYT	M5MYH	WB1GQR	K2CK
	AB8JH		N4FV	WB2YDS	K2UF
<b>104</b>	AD6KH	<b>100</b>	N5OHL	WD0E	K2UNK
AB9YC	EA4DEI	AC0FT	N7HRT	WH6LR	K4EQH
AC5K	K0HAQ	AI2S	N7JPF	WT5H	K5CRJ
AC5RN	K3HW	AI9U	N7TE	WV5Y	K8EMR
AC9QR	K5VR	K2UA	N8GHZ		K9OT
IK4DRY	K9AM	K4UQC	N8YV	<b>97</b>	KA2NDX
K5PPP	KA3ZLS	K5GM	N9MKC	AB8M	KA3HED
KB9RNO	KB8CR	K5KV	NB5R	AJ9C	KB5GI
KC2TR	KC6WFS	K8IJ	NH6CJ	K0HB	KB8PNS
KD9GKL	KC8DMN	K9CC	NI5W	K0JQZ	KC0HBP
KJ7OG	KD8NYO	KB9ZLB	NS2P	K0QEI	KD6PY
KM6WXB	KE1AU	KC2HLI	VE2HAY	K0SH	KI5TE
KO4LZ	KJ4M	KC8CC	W2HOG	K0YQ	KM2O
N0STP	KR5V	KC9CMT	W2VU	K3HZO (FN20)	KM5NU
N1LDY	N1HOQ	KD3SW	W5JLC	K4GTR	KS4V
N2FBQ	N5RMS	KE5CVM	W6TJU	K4JQU	KT5RR
N3UPS	VE7ZD	KF0Q	WA1LAD	K8XF	N0WVU
N7AGF	W4RVZ	KG5X	WA5TRX	KA2BSK	N2LID
NJ1H	W5DPT	KJ5OA	WB5NHX	KA7EII	N2VHZ
VE2PIJ	W5OV	N3TBB	WB7VVD	KC0YBM	N2XK
W1TE	W7UT	N4NIA	WK5X	KD5CKP	N8PAQ
W1ZE	W9NFL	N5XTR	WW2R (EL09)	KF4KSN	N8YBY
W4KVS	WA8EQP	N7EME		KM4NYI	NT2A
W6ZQ	WB5FDP	N8COP	<b>98</b>	KT5WB	NW5Q
W9MDB		N8XS	AC2RL	N1VMJ	NY2Z
WB2VUO	<b>101</b>	VP2MRM	AD8Y	N3UMA	VE2DCP
WB8BZK/VE3	AE7V	W2CH	K0KC	N4BH	W4KK
	K0RAR	W4/KL7GLL	K0UD	N5OTY	W4TMR
<b>103</b>	K0SBV	W4OZK	K3IXD	N6MA	W7JHS
AA5CK	K0WJ	W8BZY	K3QIA	N9APK	W8DM
AB0YM	K2NUD	W9DQ	K4OP	N9IO	WA3EEC
AB5SS	K5DWI	WA5TLP	K5HOB	N9KY	WB0M
K2OY	K5HX	WV9E	KA1EKR	NK7C	WB5KJE
K4MVL	K7SYS		KE4LGL	NU0Y	WP4LNY
K8ZEE	KB4KBS	<b>99</b>	KG4YOU	VA3FIN	
KA1W	KC6AWX	AB0SD	KG7E	W3QT	<b>95</b>
KB0FHP	KC8CSD	AB3TM	KJ2G	W4CWA	AE0G
KB2SGX	KG8WB	K0YO	KK0CQ	W4DAS	AE5EO
KC9FFV	KG9IL	K4KEW	KY0Q	W4ID	K1PNQ
KF0AIJ	KR4WM	K4WQ	N0JJQ	W7DN	K4ED

K8KFJ	KA9UVY	KC5TGT	N6RPM	<b>90</b>	N2GZ
K8ME	KB7AK	KC5TT	N7DED	AA0LM	N5KAE
K8VD	KC0AUY	KC9TTR	NS6E	AB4WL	N8YSZ
KD7WH	KC3AK	KC9UL	UT5JAJ	AB9DU	N9RG
KD8DR	KD4VRZ	KD0QG	W1PV	AF5BG	N9UDX
KD9ZR	KE3WM	KE6AZX	W2ACY	DL1SMA	NE2U
KF6XA	KF0LA	KE6UMW	W2CVW	JH4JNG	VE3VCF
KI0SK	KG4NLZ	KE8RPJ	W3ACO	K1HC	W0HRO
KW9U	KU4JZ	KI0J	W3HZU	K1KA	W1HY
N1XK	N0LNE	N2BX	W4BP	K3CWF	W2JEK
N2SLO	N0LP	N2YTF	W4LIA	K3UAL	W2OK
N2WLS	N2SU	N3AO	W6NS	K4AAP	W4ZMM
N3WAV	N3JBH	N3ZBK	W8JV	K4FTP	W6VNB
N4ET	N3XBG	N4GOA	WA3JKB	K4XZ	W9HT
N5BLY	N3YUG	N4YHC	WA4EEZ	K8EAB	WA7SDI
N5ENU	N5ZMP	N7EGY	WM3O	KA5TJI	WB3IAL
N5KI	N6HY	N7JI		KB5FHK	WM6Y
N9IV	N6MXU	N7KSI	<b>91</b>	KB7BSA	WQ5C
N9LJX	N7NH	NA9D	AA0CW	KK4DZP	WR5AY
VA3KS	N7UN	VA7QI	AD3Y	KW3DX	XE2NL
VA3PZ	N8WWM	VE3WMD	CO2WZ	N2ULL	XE3DX
VE3KZ	N9DD	W0MHK	K1UR	N4BRF	
VE3SPW	N9UNX	W2VTV	K4SPA	N5BA	<b>88</b>
W3UA	VA3MA	W3ZGD	K6YK	N9JJ	AA4QE
W4YZJ	VE3RX	W4GPM	K7HPN	N9MSG	AE0DX
W5ADA	VE5MX	W5DMT	K8OI	VA3XOV	AE4OF
W5CBF	VE7AB	W7EIR	KB2YWU	W1HMM	AF4MI
W5RCQ	W2GR	W7TRX	KB3IAI	W9CPV	K1RS
W7JWC	W3IPA	W9IFW	KB3NDS	W9CSY	K3TN
W9SX	W3TA	W9NED	KB7AZ	WA2BEV	K4XD
WA2ONK	W4LNG	W9WI	KC5POV	WA8OJR	K7CTV
WA3I	W5ODD	WA5ICA	KC8LGL	WD9HCF	K7WV
WA4WR	W5PUF	WB5CON	KG4QWC	WE7H	K7ZVY
WB2SIH	WA7LHZ		KI3O	WEST SEATTLE	<del>K9MA</del>
WD8DOT	WA9BXB	<b>92</b>	KI5BLU	WH6LE	KB2KIR
WS4S	WT9U	K1EY	KM7N	WT4C	KC1GWX
XE2AT	WV7S	K5GDX	KM9I	XE3/K5ENS	KC3MLC
		K5TDA	KQ6K		KE7RTB
<b>94</b>	<b>93</b>	K7FU	N3PPH	<b>89</b>	KE8UM
AA4RP	AG2A	K7HKR	N3WCM	AB1TZ	KI2D
AB4VT	AG6CV	K7UWR	N7CZ	AG2AA	KI4RFM
AD1DX	AI8F	KB0PQP	N8DEZ	AG7NR	KJ4KW
HK4SAN	K0IW	KC4JNW	NA7L	G4NBS	N1CEO
K0ARM	K1PTF	KD4QMY	NR4J	JQ1TIV	N2MKT
K3BEE	K1ZK	KE4WBO	NU4N	K4BMM	N2ZN
K3TUF	K2AK	KG4URP	OE9KFV	K5CX	N4CAG
K4JRK	K2MTS	KM3V	W2SUB	K5JAZ	N4GN
K4LDC	K4DAM	KR7X	W4MLN	KA0MWA	N4KIN
K4YJ	K5TRI	N0RC	W5KDA	KF4TVL	N4UC
K8GT	K6RM	N2SG	WB0NRV	KI0G	N5VBK
K9DOG	K7IP	N3GH	WB7X	KI4FW	NS3X
K9SUL	K7TRK	N4VN	WC4V	KI4US	NT4TN
KA2F	KB0USF	N5QO	XE1GZU	KR4U	VE2VLJ

W2BZR	<b>85</b>	<b>82</b>	MI0AYR	W2QO	<b>57</b>
W3YX	EI3IO	AD4IE		W4GP	HL2EIZ
W4DL	K1UU	KC5YKX	<b>76</b>		N5LJL
W4RXR	K4LRP	KG4KVZ	K0WYN	<b>69</b>	
W7HDD	KB3MXK	N1SF	KI4CYB	K3WGR	<b>56</b>
WA2BTR	KC0V	PU8TEP	KI7WXP	WD4LBR	EA5BY
WA5MD	KE4DRF	W5DAS	N1GNB		KI5WA
WK3N	KK4AND	W7YOZ	N2MH/4	<b>68</b>	LU8ADX
WV8O	N2RJ	W8GG		AA4S	NI6T
XE1SOV	VE3GFN	WA2ONG	<b>75</b>	EH7CD	UX1UA
	VE7DAY	ZS6NK	G4RGK	K6CF	
<b>87</b>	W1WV		K3PP	KW4OV	<b>55</b>
AC0A	W3STU	<b>81</b>	K8QM		G4FKA
AG4I	W4IT	AB4I	N5GH	<b>67</b>	JL3MCM
K4JC	W4RA	IK8YTA	NP3YL	W7YED	LA3MHA
K5UZ	W6ST	KE4DZU	NX7U		US5WE
KB1VUN	W7SIR	N6MM	W5UC	<b>66</b>	WA2EMF
KC8NAH	W8DQ	N7NEV	WP4NEG	K6KLY	
KE6WOX	W9QY	NI4Y	ZL3AAU	KK4YEL	<b>54</b>
KI6RRD	WA4WKL	W3MC			AG4KI
N0ELA	WD4LSS	WA4ZXV	<b>74</b>	<b>65</b>	
N2CJN	WF4R	WA8ZNC	AK8B	JA1XEC	<b>53</b>
NA5DX		XE1EE	CX4AAJ	K5EJ	K0BBC
NE5S	<b>84</b>		KF2TI	N7UJJ	PP1CZ
NI5F	CT3FT	<b>80</b>	LU4FPZ	OK1MP	
NN7RM	K4EZY	AC6BW	TI2CDA	VK9DX	<b>51</b>
W8GOC	KE6NDG	KE4PT	VE6SO	W4CCS	CT1ETE
WB3IGR	N1KI	KR4Q	WC6DX		N8OFS
WB8JAY	N2NWS	KW1DX		<b>64</b>	VE9FCP
WF4W	VE2WBK	N2NS	<b>73</b>	JG2TSL	
XE1RBV	W8PU	VY2HF	JF1IRW		<b>50</b>
	W8SGR	W5TTY	VP2MJD	<b>63</b>	N6DW
<b>86</b>		W6TCP	W4WT	EA1DR	
AG1T	<b>83</b>	W7AM		KB0RFY	<b>48</b>
K7FB	AA6E		<b>72</b>	SV1RK	G8BQX
KA9OKH	DL5XJ	<b>79</b>	AB1QB		JA9KRO
KB7JJG	K1LH	K4RW	N4II	<b>62</b>	KI5KC
KI6HQT	K4SQC	KP4N	PV8ADI	K4DXA	N6DBF
KN4MMH	K6JJ	N2COP			N8MR
KP4TB	K6UIP	N5YJZ	<b>71</b>	<b>61</b>	NP3IR
KT1R	K6USY	N9RC	IC8TEM	CU3AN	SP5QWB
N2NF	K8SIA	VE3CFK	K0GW		YY4DNN
N3MVF	KB3HHA	W2GW	K4GK	<b>60</b>	
N8TFD	KB9LIE	W2SKI	K5WPN	KP4JFR	<b>47</b>
NZ3O	KK7BV	WN0L	W2YR	S55DX	HB9RYZ
VA3MDB	KU4WW		W3FGP		
VA7LM	TG9AKH	<b>78</b>	WC5M	<b>58</b>	<b>46</b>
W8IW	W4HFZ	K2QPN		HB9BIN	LU2DX
WA1PMA	W7USB	TG9AWS	<b>70</b>	KC6NBI	
WA4USA	WD6T	W4NE	GI4SJQ	SV8CS	<b>45</b>
WB4GCS	WD9IOK		K4BNC	WA2MUA	JA6WJL
XE2AU	WI6Z	<b>77</b>	KC0ZRZ		K4TXJ
	XE1MM	K1IFJ	W2LV		

<b>44</b> WO3T XE2YWH/1	UR9QQ W8GC WB4SON WB8TGY (EN72)	HB9G JL1UXH K4SLC KP4EIT W8MK	UX0DL WC2C	EC7ZK G6BFP JA1MZL KB4YKC KD3UY	W2ZF YL2CZ
<b>43</b> 8P6SH CT1EEN K4ZIN SV2AEL	<b>32</b> N3LRH NP4TT SM6WET YL2JZ	<b>22</b> 9H1SP IZ3ENH	<b>14</b> HB9HIT JA2XCR KB8DVT PV8RR PY2OC W9TTY	<b>8</b> DK2LO JA1CPU JA2FGL JE3PCP N8RO	<b>4</b> DL1TS F1DFR IV3GOW JH7IPR JK6DXD S51NM UT5EL XE1SAX
<b>42</b> TF3JB	<b>31</b> HA5PT	<b>21</b> EA1YN	<b>13</b> K4WY PY2MC W4PWF	<b>7</b> G8APB IZ0INX JA2NDQ JI2UDK JJ2NWI LA3DV N5ORT NJ4Y ZS4TX	<b>3</b> DF1ZN 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
<b>41</b> K0BBC/R	<b>30</b> E72X JA1WSK JL3LSF JO7WXN WA6DNR	<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>40</b> E75AA JF1LMB JR0QFA N6PAZ WB8TGY	<b>29</b> JE1VTZ OE4VIE SP5APW	<b>19</b> EA6BB JI4WAO PY2HN SP8NR	<b>11</b> A65BR DL2OE EA4DAU EA4ZK F4BDG G4CTY IZ4GWE JA2KVB PY2DV PY2GM SP5XMU	<b>6</b> CT2FEY DH0GSU DL1TRK EA8MT EI2JC HB9FMN JA7NGE PY2VA	
<b>39</b> AA5PK	<b>28</b> CT8/K0RUI JA6CRP K0FMI OH3DP	<b>18</b> AJ6V KJ4EU OE3SGU VE6TA (DO31) W0HBH			
<b>38</b> DD3KF DU1EV IZ8EDJ K8YSE VK5PJ	<b>27</b> IZ4DPV KC9ELU WP4NIX	<b>17</b> G3LZQ PY2XAT W0JM		<b>5</b> DL5LH EA1AAA EA7ZY HB9GWJ JE1LFX JI5USJ JJ1IDW KB8VAO EN91K M1VPN MU0GSY OH4UI OK1IN ON5UE PP2RON SK6QA VE2NGH VR2XMT W1ZR	
<b>37</b> BA7NQ HB9RUZ JA9APS	<b>26</b> HL2WA WB7QXU				
<b>36</b> JH9DRL	<b>25</b> EA4/K1WE	<b>16</b> HB9ALO N6VHF	<b>10</b> DL4CF HB9BOS PA5KT SV2DCD TF3Y UR7DWW		
<b>35</b> GI4OWA LU9DO	<b>24</b> EI2JD KS4YX LA6OP ON6AB PA7TWO	<b>15</b> 9K2BM EI2GLB HL4GAV JR3UIC LU5FF	<b>9</b> DL7BA EB1EWE		
<b>34</b> G4SEU HB9EFK LA2QM	<b>23</b> GM4ILS	<b>UT3UA</b>			
<b>33</b> HL2IFR UR5WA					

G0THY            PU5SVE  
G4DDL           SM3GBA  
G8GNI           SM6LPG  
GI4ONL          SQ5NRY  
IK1IYU          UN8G  
IK2GOQ          UR5EDX  
IZ8XQC          VR2VGM  
JA6AVT          WB7VUF  
JA6SZV          YL2CA  
JA9FAI          YO8WW  
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