

## ARRL DXCC - 160 Meters

The ARRL DXCC is awarded to amateurs who submit confirmations for contacts with 100 or more entities on the ARRL DXCC List. As of 10 Jan 2026, there were 340 current entities on the list. The DXCC Honor Roll includes those who are within 9 entities of that figure for the Mixed, Phone, CW and Digital awards. The following listing of the DXCC membership contains the call signs and exact credited totals by endorsement level. Awards are NOT activated automatically; participants must apply to have a particular award (band, mode etc) activated when the qualifying number of credits is obtained. "Inactive" members (whose most recent DXCC application was before 1994-01-01 and who are not a current ARRL member) are shown in gray.

See the [ARRL DXCC FAQ](#) for details.

|                                              |                                                      |                                                                                   |                                                                         |                                                                                        |
|----------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>344</b><br>W8LRL                          | <b>325</b><br>EY8MM<br>K9UWA<br>UA2FF                | N1DG<br>OH3SR<br>W2VO                                                             | SM6CVX<br>W5IZ                                                          | GM3YTS<br>JA1BK<br>JA4LKB<br>K1UO<br>RU3DX                                             |
| <b>341</b><br>EA8AK                          | <b>324</b><br>K2TQC<br>K4PI<br>OH2BO<br>S50A<br>W1NG | <b>315</b><br>PE5T<br>S50U<br>W1JR                                                | <b>309</b><br>IK4MGP                                                    | <b>302</b><br>SV8JE                                                                    |
| <b>340</b><br>K1ZM                           | <b>323</b><br>SP5EWY                                 | <b>314</b><br>IK4GME<br>NX4D<br>OG2M<br>OK3GU<br>OZ1LO<br>RW2A<br>UA4CR           | <b>308</b><br>IV3PRK<br>K4SV<br>K8GG<br>N4RJ<br>UT3UA                   | <b>301</b><br>DL9KR<br>F6BKI<br>LZ2JE<br>N1RJ<br>N3XX<br>PA3FQA<br>SM3EVR<br>SP3EPK    |
| <b>339</b><br>W4DR<br>W4ZV                   | <b>322</b><br>UX0UN<br>W3UR                          | <b>313</b><br>GM3POI<br>OE3GCU<br>OZ7YY                                           | <b>307</b><br>DJ7MI<br>OH5VT<br>VE3EJ                                   | <b>300</b><br>G3KMA<br>I2ZFD<br>JA2JPA<br>JA4DND<br>JA4LXY<br>OE1WEU<br>SV8CS<br>VA3EF |
| <b>335</b><br>OH2BU<br>R7LV                  | <b>321</b><br>WB9Z                                   | <b>312</b><br>OH1MA<br>S54E                                                       | <b>306</b><br>DL4MCF<br>EA6SX<br>K4CIA<br>SM0AJU<br>WT3Q<br>YU1FW       | <b>299</b><br>K4TEA<br>N1BUG<br>SV1FJA<br>UX1UA<br>W7UT                                |
| <b>334</b><br>N4WW                           | <b>320</b><br>K8MFO<br>SM4HCM<br>W8UVZ               | <b>311</b><br>DF3CB<br>DJ6RX<br>DJ9KG<br>G3PQA<br>KJ9I<br>RA7A<br>RZ3AM<br>SP2FAX | <b>305</b><br>CT1EEB<br>JA7NI<br>K4ZW<br>N4IS<br>NN4T<br>SM3GSK<br>UA6A | <b>298</b><br>9A2AJ<br>DF2UU<br>IK2DFZ<br>OE6IMD<br>OZ3PZ                              |
| <b>332</b><br>UR0MC                          | <b>319</b><br>N0XA<br>SM4CAN<br>UT5UGR<br>W9ZR       | <b>310</b><br>I4AVG<br>I4EWH<br>RA3CQ<br>SM5BFJ                                   | <b>304</b><br>DJ0MDR<br>GM3GAV                                          |                                                                                        |
| <b>331</b><br>K5UR<br>LZ2DF<br>UT7QF         | <b>318</b><br>4X4DK                                  |                                                                                   |                                                                         |                                                                                        |
| <b>330</b><br>AA1K<br>HA0DU<br>OH1XX<br>R4GM | <b>317</b><br>W3LPL                                  |                                                                                   |                                                                         |                                                                                        |
| <b>329</b><br>K3UL<br>UA4HBW                 | <b>316</b><br>IK4WMA<br>K5RK                         |                                                                                   |                                                                         |                                                                                        |
| <b>328</b><br>UA4CC                          |                                                      |                                                                                   |                                                                         |                                                                                        |

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| RA3DX<br>SM5CEU                                                                                          | <b>290</b><br>UA3AKO<br>UT1UY                                                       | NA0Y<br>NO3M<br>R3OK<br>SM6DHF                                                                    | OH3BU<br>ON7TK                                                                               | SV8BHN                                                                   |
| <b>297</b><br>DK5PR<br>N4CC<br>OM2XW<br>W0FLS                                                            | <b>289</b><br>JA3ONB<br>K0KX<br>K4WM<br>N8DX<br>RX4HZ<br>US4EX<br>US5WE             | <b>282</b><br>DL1YD<br>HB9BIN<br>I0WDX<br>K8KS<br>K9CT<br>N2LT<br>SM6CTQ<br>UY5ZZ<br>W0BV<br>W2YC | <b>276</b><br>F6GCP<br>G3LZQ<br>N8RR<br>OK1AWZ<br>VE2TZT                                     | <b>269</b><br>K6ND<br>W1ZC                                               |
| <b>296</b><br>DF3GY<br>F5NTV<br>G4PWA<br>ON5NT<br>RY9C<br>W1JZ                                           | <b>288</b><br>CT1APE<br>HB9BGV<br>PA3GCV<br>SL0ZG<br>SP7VC<br>UA4LY<br>W0JX<br>WK3N | <b>281</b><br>DF2PY<br>JA2PJC<br>K1CP<br>S59Z<br>W4TO                                             | <b>275</b><br>9A1CCY<br>F5NBU<br>I2AOX<br>IK4CIE<br>K2UO<br>K4IQJ<br>KF2O<br>SP6AEG<br>UW2ZM | <b>268</b><br>DL5DSM<br>G3WPH<br>K8PT<br>RA3XDX<br>W1MK                  |
| <b>295</b><br>K3UA<br>WD5COV                                                                             | <b>287</b><br>DL1RWN<br>G3XTT<br>N2QT<br>RK4FD<br>UR5WA<br>VA3DX<br>W4PK            | <b>280</b><br>EA6NB<br>KG4W<br>N9IW<br>RV3LO<br>SP6HEQ<br>YO3APJ                                  | <b>274</b><br>CT1EKY<br>G3TXF<br>JA8ISU<br>W6UB                                              | <b>267</b><br>G4OBK<br>LU8DPM<br>RW0LT<br>RZ3DX<br>SP5DIR<br>W1GL        |
| <b>294</b><br>DL1AMQ<br>JH2FXK<br>JR2KDN<br>LA5HE<br>N0TB<br>RJ3AA                                       | <b>286</b><br>DJ2YA<br>K3SX<br>N3SL<br>PA0WRS<br>UA3AB<br>UT7UW<br>W8AV             | <b>279</b><br>F6AOJ<br>IK4DRY<br>JR7VHZ<br>N2TK<br>N5DG<br>SM6CNN<br>SP5CJQ<br>UA6MF              | <b>273</b><br>IK8HJC<br>K2CL<br>K5BG<br>MD0CCE<br>RA3DA<br>SM6CCO<br>UA3DPM                  | <b>266</b><br>K1QX<br>NR1R<br>R3LA<br>W8TE<br>W8XD                       |
| <b>293</b><br>JH4UYB<br>S58T<br>SM3NRY                                                                   | <b>285</b><br>G4CCZ<br>K5XI                                                         | <b>278</b><br>DK0EE<br>F6BEE<br>HB9AMO<br>JA3FYC<br>K5DU<br>RU3FM<br>SP9DWT                       | <b>272</b><br>9A2EU<br>DL1DUL<br>DL2OE<br>OH1LEU<br>PA7MM<br>SP6CIK                          | <b>265</b><br>AA4V*<br>AA6YQ<br>AA7A<br>EA5BM<br>EI7BA<br>K4XP<br>YO5BRZ |
| <b>292</b><br>G4BWP<br>IK1GPG<br>IZ0AEG<br>OZ1BTE<br>SM5AQD<br>SP3IBS<br>SV1AOZ<br>W3YX<br>W5ZN<br>W8TOP | <b>284</b><br>IK6DLK<br>NJ6P<br>SP3DV<br>UX1AA                                      | <b>277</b><br>AA4MM<br>DJ9VA<br>DK5WL<br>IK5BAF<br>K1ZZ                                           | <b>271</b><br>EU7A<br>G4GED<br>JA5AUC<br>OZ1CTK<br>SM5KNV<br>SP9JZU                          | <b>264</b><br>IK2YCW<br>IK5HHA<br>K7ZV<br>N3NT<br>R5AJ                   |
| <b>291</b><br>9A7V<br>I5NPH<br>KD9SV<br>R7NW<br>SM6CMU<br>SP3E<br>UA3LAR<br>UT7UJ                        | <b>283</b><br>DL7VEE<br>JA5EXW<br>JH4IFF<br>K4SO<br>N7NR                            |                                                                                                   | <b>270</b><br>AA1V<br>KD5M<br>LA3MHA<br>OE5KE                                                | <b>263</b><br>IZ1ANU<br>K9OW<br>KX4R<br>LA5IIA<br>W2SM<br>W3AP           |
|                                                                                                          |                                                                                     |                                                                                                   |                                                                                              | <b>262</b><br>G0DQS<br>KR9U<br>N5KD<br>W1YY                              |

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|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>261</b><br>9A4T<br>DL9YX<br>K2EK<br>K5KC<br>N6SS<br>NO8D<br>SP1S<br>UX0FF | OM3DX<br>WA4FFW                                                                                 | NO2R<br>OE2LCM<br>R7IA<br>WA7NS<br>WB3AVN<br>YO9HP                                         | N4XM<br>N5TY*<br>N7RT<br>OK1DWJ<br>SP5GRM<br>UA3TT<br>VE1YX<br>VE3NH                                                  | OK2ZI<br>OZ4O<br>SP8AJK                                                                                    |
| <b>260</b><br>I1FQH<br>K1LT<br>K4DY<br>UT9FJ                                 | <b>253</b><br>5B4AGN<br>IV3YYK<br>JQ3DUE<br>K5ESW<br>R5DT<br>S58Q<br>UA1OMS<br>W0YG             | <b>246</b><br>DJ2TI<br>F2JD<br>IK0MHR<br>JF8QNF<br>N6TR<br>TF4M<br>UR5EDX<br>W2TQC<br>W5XZ | <b>240</b><br>EA6ET<br>JA5MHD<br>JR3GWZ<br>K0JUH<br>K0KT<br>K1DG<br>K1FZ<br>K1ZG<br>K9OT<br>LA2XPA<br>UR5MID<br>VO1NA | <b>235</b><br>CX6VM<br>EA6VQ<br>JA0FSB<br>JH4ADV<br>K3SWZ<br>N6DX<br>R7DX<br>VE3XN                         |
| <b>259</b><br>DF4PL<br>G3ZSS<br>IV3ODE<br>K8FL<br>R9FM                       | <b>252</b><br>EA1DR<br>JA2VPO<br>JF2MBF<br>JG3QZN<br>JR3IIR<br>ON4AOI<br>PA4VHF<br>S52F<br>W3UM | <b>245</b><br>DL4CF<br>JA1GV<br>JA7QVI<br>N9US<br>RL9F<br>RY7G<br>W9XY                     |                                                                                                                       | <b>234</b><br>IK6FWJ<br>JG1ULJ<br>K1AR<br>K4UTE<br>KF0QR<br>PY1BVY<br>S51DI                                |
| <b>258</b><br>KW9A<br>N2NL<br>N8TR<br>RN3CT<br>VE3QAA                        | <b>251</b><br>DJ7RD<br>DL9RT<br>JH0BBE<br>PY2RO<br>W5UN<br>W7LR                                 | <b>244</b><br>AG9S<br>DK6WL<br>F6BLP<br>IZ8FFA<br>JA1HGY<br>ON4IQ<br>SV1RK                 | <b>239</b><br>AJ6T<br>K1HTV<br>KH6AT<br>LY3UM<br>NV9L<br>RN3QN<br>RU3QR<br>SV1ELF<br>UW5ZM<br>W3LL                    | <b>233</b><br>DF6PB<br>DJ5FI<br>JH1HGC<br>K0CS<br>K2UU<br>KA7T<br>SK3PY<br>UA4HAU<br>VA2WA<br>W1TC<br>W7AO |
| <b>257</b><br>AA1QD<br>JH1GZE<br>K1GUN<br>K9NW<br>N4II<br>W9YSX              | <b>250</b><br>AB3CV<br>HB9RG<br>IK0XBX<br>NQ1K<br>OZ8BZ<br>SV8CKM                               | <b>243</b><br>DK2JX<br>DK3DG<br>JA0CRI<br>ON4ATW<br>S57A<br>W9RPM<br>WX4G                  | <b>238</b><br>AC4G<br>DL8WN<br>IK0XEZ<br>IZ1LBG<br>NI0G<br>RA0FF<br>VO1HP                                             | <b>232</b><br>EA1N<br>FK8CP<br>JA8EAT<br>K2AZ<br>K4XL<br>NI6T<br>UA3AP                                     |
| <b>256</b><br>9A5CY<br>JA5BZL<br>K5VRX<br>KY7M<br>SV8GFW<br>W1TSP<br>W3DF    | <b>249</b><br>AI9L<br>K9RX<br>SP5DRH                                                            | <b>242</b><br>EA4KD<br>G8VR<br>KG7H<br>OK1CF                                               | <b>237</b><br>DL7MAE<br>IW1ARB<br>OM4EX<br>WA7NB                                                                      | <b>231</b><br>4X4NJ<br>HA9RE<br>IK0YUT<br>N6AR<br>N7NG<br>ON4ACG<br>W9IXX                                  |
| <b>255</b><br>K4QL<br>N2MF<br>VK4MA<br>W3KX<br>W5OZI                         | <b>248</b><br>K2FF<br>K3WW<br>K5RX<br>SM3VAC<br>T77C<br>W9NGA                                   | <b>241</b><br>JA0DAI<br>JA1SYY<br>JA3EMU<br>K5ZK<br>KA9CFD                                 | <b>236</b><br>AB4I<br>K1JO<br>K5EK<br>K9NR<br>K9ZO<br>KC7V                                                            | <b>230</b><br>JA1CMD<br>JA2NDQ                                                                             |
| <b>254</b><br>I1EIS<br>N0AT                                                  | <b>247</b><br>K0IEA<br>K6XT<br>NN4X                                                             |                                                                                            |                                                                                                                       |                                                                                                            |

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| KD0Q<br>N8JV<br>SM3NXS<br>W4GF<br>W4VQ                                                                                     | RA3QK<br>RV1CC<br>RW3XZ<br>SP8NR<br>VA5DX<br>W7KW                                                              | DK2NG<br>HB9LCW<br>HL5IVL<br>JF3KON<br>JR4OZR<br>KA1R<br>OZ1AXG<br>VE3EXY                                              | W2LK<br>W6YI                                                                                                                 | RV0AR<br>UW7LL<br>W7JW                                                                                                           |
| <b>229</b><br>CT1FJK<br>DJ4AX<br>JA8FKO<br>JI1BEX<br>OE5NNN<br>RO7T                                                        | <b>224</b><br>IZ8FWN<br>MM0EAX<br>N0AV<br>N8BM*<br>SP5INQ<br>SP7GAQ<br>VK6VZ<br>W2RQ                           | <b>219</b><br>IK3VUU<br>JA2FBY<br>JA2FJP<br>OE8RT<br>RA3WDK<br>SP4K<br>UT7UV<br>WA2UUK                                 | <b>214</b><br>DL7BA<br>HL3IUA<br>IZ8VYU<br>JA2IVK<br>JA2JW<br>K4NA<br>LA4GHA<br>LA7JO<br>OK1DX<br>RN7G<br>W4NL               | <b>209</b><br>DL5CF<br>DL9MRF<br>EU1KY<br>HB9CXZ<br>HB9DDZ<br>JA0UUA<br>K5RT<br>KG9N<br>N9LB<br>VE1DX<br>W0ZR<br>W7KNT<br>W9OO   |
| <b>228</b><br>AF9H<br>AI0O<br>E72A<br>K4HB<br>N2WK<br>OH2BEN<br>VE3DZ<br>WB6RSE                                            | <b>223</b><br>AB0X<br>DJ8NK<br>HA7TM<br>JH2TPI<br>KV7K<br>N1LN<br>RT6T<br>SV2JAO<br>UR5FEO<br>ZS4TX            | <b>218</b><br>AD5A<br>DJ4PI<br>DK0PM<br>IK1YDB<br>JA6LCJ<br>JA8CDT<br>K0EU<br>K5EJ<br>K5UO<br>UT4MF<br>W5PJR           | <b>213</b><br>DF2IS<br>EI3IO<br>HA1RW<br>JF6DSZ<br>K1ST<br>NA2M*<br>RU4SO<br>W0LYI<br>W1FJ<br>W2WG<br>W3YY<br>WP4U<br>WS9V   | <b>208</b><br>G3NSM<br>I4LCK<br>JA9FPI<br>JF4VZT<br>K2FU<br>LA7HJA<br>N5ORT<br>RU3ZX<br>RX3APM<br>UN5J<br>UY1HY<br>W6PJ<br>W9EWZ |
| <b>227</b><br>DL7HU<br>ES1RA<br>I3BUI<br>IK0HBN<br>JA1UQP<br>JA9CHI<br>K1FK<br>K3NW<br>N6JV<br>W9BF                        | <b>222</b><br>IV3JVJ<br>K3SV<br>K6EID<br>K8FH<br>K8ZTT<br>N4PQX<br>N5AW<br>N5JR<br>N8PR<br>N9BX<br>SM0CCM      | <b>217</b><br>DM5EE<br>JH1IFS<br>K5PC<br>ON6YH<br>UA3AGW                                                               | <b>212</b><br>AA9A<br>DL9GFB<br>K4MQG<br>K8ZH<br>KE9I<br>KG6I<br>N1ZZ<br>N4MM<br>NX0I<br>SM5CZQ<br>W1ECT<br>WA5VGI<br>WB9CIF | <b>207</b><br>K1DT<br>K1LPS<br>K3JT<br>K8EUR<br>N9AU*<br>PY2BW<br>PY2XB<br>W0LS                                                  |
| <b>226</b><br>9A8A<br>DL5WW<br>JA6BZI<br>JF2KOZ<br>JR6EZE<br>K9FD*<br>ON4GG<br>SP3CGK<br>US0SY<br>UT5JAJ<br>VE6WZ<br>W0VTT | <b>221</b><br>JA2WYN<br>JJ3PRT<br>K4MWB<br>K8SIX<br>LA7GIA<br>LB8DC<br>N6VR<br>VE3LYC<br>W1ZK<br>W6JRY<br>WS6X | <b>216</b><br>F6DAY<br>JA9PPC<br>K3JGJ<br>N5UL<br>OE1ZL<br>RA1QD<br>RZ0AF<br>W0GJ<br>W6XA<br>YO7LCB<br>YU3AA<br>YV1DIG | <b>211</b><br>EA1RT<br>IK4DRR<br>JA4DEN<br>K3WA<br>RU3SD                                                                     | <b>206</b><br>IK0IOL<br>JA3PIS<br>K2VV<br>K3LR<br>K5AQ<br>K5MC<br>K8AC<br>N8DJX<br>SM6BZV<br>US0KW<br>VE3BW                      |
| <b>225</b><br>A45XR<br>JH7PFD<br>K1MM<br>K5AB<br>K9FD/KH6*<br>N4CH                                                         | <b>220</b><br>AG8B                                                                                             | <b>215</b><br>JH0INP<br>N7JW<br>W0UO                                                                                   | <b>210</b><br>I8SAT<br>JA7MSQ<br>JJ2LPV                                                                                      |                                                                                                                                  |

|                                                                                                                                                                                    |                                                                                                              |                                                                                                                                    |                                                                                                                                            |                                                                                                                           |
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| <b>205</b><br>F6EXV<br>I4KDJ<br>JA3AAW<br>K9YY<br>KA9FOX<br>W8UN<br>WB8ZRL                                                                                                         | LY1G<br>N5ZM<br>N7KA<br>OK1DOT<br>R9TO<br>RA3S<br>UA9FAR<br>W1NT<br>ZL3IX                                    | JH1QAX<br>JH2UVL<br>K8NVR<br>LA7AFA<br>OE4PWW<br>OE5FIN<br>ON4CD<br>RZ6FA<br>UA0SC<br>UT5EL<br>W0FS<br>W4UM<br>XE2X                | DL6ZXG<br>EA3WD<br>HA5BSW<br>K4ODL<br>N5LZ<br>N9EN<br>PA0LOU<br>RN1ON<br>UA0CA<br>W9MU<br>WA2VYA<br>WE9R                                   | CT1FMX<br>EA8PP<br>FM5CD<br>K4CN<br>SM0NJO<br>SP7HOV<br>UA7T<br>WA3C                                                      |
| <b>204</b><br>DJ5AV<br>EA5KA<br>F4BKV<br>IK7NXM<br>JA9NFO<br>K4JJW<br>K9US<br>KK4SI<br>LX2A<br>N4NX<br>N4QS<br>N7FU<br>SM2OAN<br>UA0SR<br>US6EX<br>W2HUV<br>WD8PKF<br>WF4U<br>W18A | <b>201</b><br>AG4W<br>CU2DX<br>DL1EJA<br>JF1PUW<br>JO7WXN<br>K1GG<br>K3HP<br>W0MHK<br>W2IRT<br>W5TCX         | <b>196</b><br>4Z4DX<br>AA4HP<br>IK4PLW<br>JA3RAR<br>K8PO<br>KP2A<br>ND0N<br>RA9CMO<br>RZ4FO<br>W2FCR                               | <b>192</b><br>9A2NA<br>JA7JWF<br>JH1RFR<br>K3FN<br>K4FJ<br>K5XX<br>K7GM<br>K9EU<br>KF7PG<br>LA0FA<br>N4DB<br>NE1B<br>W3UA<br>W3YQ<br>W8LGJ | <b>188</b><br>AB4IQ<br>JA1KQX<br>JA8DNV<br>KB0EO<br>KE9ET<br>KL0S<br>N8LJ<br>RM0F<br>W1YM<br>W6SR<br>W8JV<br>WA6YEE       |
| <b>203</b><br>AA5AM<br>JA2XYO<br>JE1PNX<br>K4XO<br>K9MMS<br>KK2I<br>NK1K<br>OH1TV<br>PA0A<br>R6AF<br>W7DO<br>W8GC<br>WA2HZO                                                        | <b>200</b><br>G0OIL<br>IK0FVC<br>JA1GTF<br>JH2RMU<br>K1GE<br>LA5YJ<br>RW4NN<br>RW7M<br>UY0ZG<br>W0DD<br>W3GG | <b>195</b><br>EA3JL<br>EA5RM<br>G3ZEM<br>JA1EOD<br>JN7FAH<br>K3PA<br>K7SO<br>K9RT<br>KF8UN<br>N1SV<br>W4FC<br>W5ZG<br>W9OP<br>WN6W | <b>191</b><br>CT3MD<br>JA1ANR<br>K0BBC<br>K0JGH<br>K8FC<br>K9LA<br>RK2FWA                                                                  | <b>187</b><br>AJ1H<br>K0SR<br>K6SRZ<br>KN5O<br>N2NS<br>OK1CZ<br>SP3FAR<br>W7AWA                                           |
| <b>202</b><br>DK2LO<br>DL1MGB<br>DL2KQ<br>DL9DRA<br>HB9DDO<br>JA2JNA<br>JA3CSZ<br>JA5AQC<br>JH3VNC<br>JI2KXK<br>K2NV                                                               | <b>199</b><br>G0BNR<br>JA2DPC<br>K6GXO<br>KB8VAO<br>N4DW<br>W1TO<br>YO2DFA                                   | <b>194</b><br>JA1XEC<br>K4KDX<br>K9JF<br>KB9LIE<br>OH2IS<br>SM7GIB<br>W2LO<br>WD8JJA                                               | <b>190</b><br>IZ8XQC<br>JA0VSH<br>JA1DUH<br>JA1MCU<br>K2TE<br>K9KU<br>KB1EFS<br>KM1D<br>N4XU<br>N5GH<br>SP2LNW<br>VE7VV<br>W9AJ            | <b>186</b><br>IK2QPR<br>JA2LCP<br>JA2ZL<br>K0BJ<br>K7LAY<br>YL2TW                                                         |
|                                                                                                                                                                                    | <b>198</b><br>DL1ROJ<br>G3UJE<br>G4BUE<br>I5KKW<br>IT9JNR<br>JA4PXC<br>W8HB                                  | <b>193</b><br>CT1IUA<br>DF2GH<br>DK1FW<br>DL5ZB                                                                                    |                                                                                                                                            | <b>185</b><br>AB6QM<br>CT1EAV<br>EA6BF<br>G3KWK<br>IK3SWB<br>K5ZD<br>LA3WAA<br>N4TJ<br>N5UR<br>OE2BZL<br>SV1DPI<br>UA9CBO |
|                                                                                                                                                                                    | <b>197</b><br>G3SNN<br>JA0EOK<br>JE1BMJ                                                                      |                                                                                                                                    | <b>189</b><br>9A2F<br>AA1ON                                                                                                                | <b>184</b><br>HA5WA                                                                                                       |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| IW0SAF     | W8TN       | W4GD       | HB9FMN     | IK2EGL     |
| JF1NZW     |            | YO7NE      | IZ5MOQ     | JA6VQA     |
| K4HGX      | <b>179</b> |            | JA3FGJ     | JE7JDL     |
| K5KLA      | IT9ELD     | <b>175</b> | JG3IWL     | JF2UPM     |
| KB4ET      | JA9NLE     | JA1CHN     | K0DEQ      | K4XD       |
| N9RC       | K0TT       | JG0CQK     | K1BD       | K5QY       |
| S57AC      | K8WK       | JH2QMT     | K6FG       | K8RYU      |
| US8UA      | N2PK       | JS3CTQ     | KJ0M       | KR4F       |
| UT2UB      | OK1MG      | K4DLI      | W3JX       | N4QQ       |
| W2YJ       | S57UN      | LA5LJA     | W4FQT      | N8BJQ      |
|            | SM4DDE     | N7IR       | WC4X       | PA7F       |
| <b>183</b> | SV3FUP     | PE1L       |            | SP5GH      |
| CT1FPQ     | W8KEN      | TF3SG      | <b>171</b> | SP6EQZ     |
| HK3W       |            | VE3FF      | AA9D       | SV2AEL     |
| IT9INO     | <b>178</b> | W8HC       | DL6KR      | W4SVO      |
| K8RRT      | 4Z5CX      | WA9PIE     | G0EHO      | W6VX       |
| K8VC       | EA3CJ      | WX0V       | HA9PP      | W8OI       |
| N9MB       | JA4MRL     |            | JA6HUG     | WA0MHJ     |
| NN2L       | JL1SAM     | <b>174</b> | JR1TNE     | WA5YNB     |
| ON6SAS     | K2UR       | JA0GJJ     | K1NU       |            |
| W2FP       | N7XR       | JA1PPW     | KI5BLU     | <b>167</b> |
| W8NW       | NE0U       | JA2XW      | N0RN       | DK5AD      |
|            | SM7DLK     | JA7MOL     | N4OGW      | EC3A       |
| <b>182</b> | SV1JG      | JF7DZA     | N7RO       | EI6FR      |
| DJ9ON      | W6NWS      | JK1OPL     | RA3DNC     | K6KO       |
| DK3UA      | W7MEM      | JR6PGB     | SV1LK      | K8NK       |
| JA1SHE     | ZS1LS      | K1KI       | WA3AFS     | K9MBQ      |
| JA3ENN     |            | K2KA       |            | N0IJ       |
| JR7BDQ     | <b>177</b> | K3AJ       | <b>170</b> | N3BNA      |
| N3OC       | 9H1SP      | K4TR       | DJ6TK      | OH2BLD     |
| UR3EO      | AE5E       | K4WS       | IK0PEA     | PA3C       |
|            | CT1GFK     | N1EN       | JA6JPS     | RA1AOB     |
| <b>181</b> | K3WC       | OE1WHC     | JF1WPB     | RN9N       |
| DK3WW      | K4RG       | RN7F       | JM1GYQ     | S51EC      |
| JA2BDR     | K5GKC      | UA3LNM     | K6ZZ       | W1YW       |
| JA9TWN     | K9NU       | W8UV       | N4PY       | WA4LOX     |
| JN4MMO     | OK1DWC     | W8VVG      | SP3GTS     | WB0TEV     |
| K2EP       | PY5EW      | WT8C       | SV3KH      | WC5N       |
| LZ2ZG      | SM6DHU     |            | W9EVI      |            |
| VE3OSZ     | W5LT       | <b>173</b> |            | <b>166</b> |
|            | W7FI       | 5B4ALJ     | <b>169</b> | 4Z1UF      |
| <b>180</b> | WB7B       | I1JQJ      | JA1ADT     | DJ4SO      |
| 4Z5MU      |            | JE2LPC     | JR1IZM     | IV3TDM     |
| DM2DXA     | <b>176</b> | JE3ENP     | K1LI       | JA1FNA     |
| DM3VL      | EU1AB      | K1NTR      | N4XX       | JA9LJS     |
| EA8JF      | G0BLB      | K4XR       | N7US       | K1KA       |
| IK4ADE     | I6FLD      | K9YC       | RN3OG      | K3KY       |
| JE2URF     | JA0DET     | KA1J       | UT8MM      | K4JLD      |
| K6SSS      | JA5IU      | N5FG       | UY5AA      | K4PB       |
| K7BG       | JA6BJV     | RC9F       | W6RW       | K4WA       |
| LA9AJA     | JA8KSF     | UN9L       | W7Yaq      | K4ZYU      |
| N1RR       | K8MN       | VE6WQ      | WB3JFS     | RM3DA      |
| N4AH       | N5OK       | W3IP       |            | W0DJC      |
| ON5FP      | RL3FA      |            | <b>168</b> | W1RR       |
| W1RM       | SM5FUG     | <b>172</b> | G3MXJ      | W8ILC      |
| W2OR       | SP1MGM     | EA7TV      | HB9TKS     | WA8TXT     |
| W7BEM      | W4BP       | G3NKC      | I2ZGC      |            |

|                                                                                                                                        |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>165</b><br>DL7UCX<br>F6HDH<br>IK0AGU<br>JE7RJS<br>JH7CFX<br>K5JZ<br>KK4CB<br>N4HB<br>N9FN<br>NY0V<br>SM4CTT<br>W5BN                 | W2XL<br>W8WEJ<br><br><b>161</b><br>DK2GZ<br>DL6RAI<br>HB9DHK<br>IK0FUX<br>JA1DOF<br>K1USA<br>K5GO<br>K8ND<br>LB2TB<br>N4GN<br>OE5RLM<br>OH6RA<br>VK3HJ<br>YU2TW                     | DJ4PT<br>DL1FKA<br>G4GIR<br>IT9DSZ<br>JH1TWT<br>J11FXS<br>J11NJC<br>JR1GJP<br>K1CA<br>K5TT<br>K9GA<br>OZ1HX<br>RU6M<br>SM4EMO<br>W0SZ<br>W1OX<br>W3GQ<br>W4QN                                                                                                                                                                   | <b>155</b><br>DL1RK<br>DL4SZB<br>JR3OEH<br>K2LS<br>N2ZN<br>NE0DX<br>NW7E<br>SM6VR<br>W2XI<br>WE1P<br>WS5W<br>ZS6EZ<br><br><b>154</b><br>3V8SF<br>GM3PPE<br>IZ3ENH<br>JA8NFV<br>K0KVR<br>KR2Q<br>NX8Y<br>SV1CNS<br>W1NA<br>W5DNT<br>YS1RR<br><br><b>153</b><br>AJ9C<br>CU2AP<br>DF2RG<br>DL1DUO<br>DL3ZA<br>G3TJW<br>HL2CFY<br>JF1IRW<br>JR9OPJ<br>K7SP<br>K8VFX<br>KD0PO<br>LZ1PM<br>N4TV<br>N5TW<br>N8II<br>R9OK<br>SM6CLU<br>SP5CCC<br>UT5UY<br>WB8BPU<br><br><b>152</b><br>EW2A<br>JA2VQF<br>JT1CO<br>K9MK<br>KQ4AV<br>KS3F | N9OY<br>S55ZZ<br>UA6IGI<br>UN7LZ<br>UT5AB<br>VE6LB<br>W1SKU<br>W1VT<br>W6RLL<br>W7AJ<br>WB3CQM<br><br><b>151</b><br>AA7G<br>DK2OY<br>EI9JF<br>F3SG<br>HB9SLO<br>JA6BEE<br>JH1NYM<br>JR1XIS<br>K2AX<br>K2FW<br>K8ROX<br>N5JB<br>OK1ATP<br>RD3A<br>RU3A<br>S54A<br>SP7AWG<br>SV9AHZ<br>W7CT<br>W7RH<br>WA1Z<br>WA2BCK<br><br><b>150</b><br>EA1AF<br>IV3RAV<br>JA1SVP<br>JA2NQG<br>JL1UXH<br>K0RS<br>K1OA<br>K5TR<br>K5VWW<br>K7LV<br>K8AJS<br>KU4XO<br>LA6OP<br>N3QE<br>N9CO<br>OE8SPW<br>ON6AA<br>SQ5EBM<br>UA6YW<br>W2/CT1GIF |
| <b>164</b><br>GU4YOX<br>HA7UW<br>HB9BZA<br>JA1RTX<br>JA7ZP<br>JH2SON<br>K1NJ<br>N5WA<br>RA3ZH<br>W4DKS<br>W4NS*<br>WP4G<br>WW3S        | <b>160</b><br>AD5Q<br>DK1WB<br>DL1DA<br>IW2FND<br>JA2EPW<br>JE2DZC<br>JE2OVG<br>JF2XGF<br>JR7MAZ<br>K3MSB<br>K3RA<br>NR4M<br>RU6L<br>UA0FZ<br>UX5UO<br>W1BR<br>W5XC<br>W9RN<br>WX0B | <b>157</b><br>AA4H<br>AC6DD<br>DL4MM<br>EA5BY<br>G3TQZ<br>HB0CC<br>JA1GHH<br>JH7IAJ<br>LY5A<br>N5MOA<br>NE9Z<br>RU4UR<br>SM3PHM<br>SV8ZS<br>W2TA<br>W5GZ<br>WS7L<br>YV2IF<br><br><b>156</b><br>AB9V<br>FM5BH<br>IZ8IEV<br>JE3GRQ<br>JO7HAM<br>K0QC<br>K8YSE<br>KS1J<br>N3RC<br>N3UA<br>N7WS<br>UA3SAQ<br>VA3LX<br>W1YIF<br>W4TV |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>163</b><br>9A2JK<br>DJ9HX<br>JE2LUN<br>JH4CPC<br>K7NN<br>K8TL<br>OK2QA<br>RW3RN<br>UR4CWQ<br>VE3CFK<br>W7AL                         | <b>159</b><br>DL6MRS<br>JA4FKX<br>JA9APS<br>JH6QFJ<br>JL1RUC<br>K4RO<br>OK2ZV<br>UN7JX<br>W3HKK<br>W6BJH<br>W7SX<br>WD5BJT                                                          |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>162</b><br>4O3A<br>9A4W<br>F3AT<br>HB9BUN<br>IZ4DPV<br>JA6GIJ<br>JH4ALY<br>JR5JAQ<br>LB6KC<br>N8MR<br>VE7SL<br>W0HT<br>W0TT<br>W1LW | <b>158</b><br>AA6AA<br>CT1FCX                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|                                                                                                                                                                   |                                                                                                                                                                                                                                         |                                                                                                                                                                                           |                                                                                                                                                                                                  |                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| W6DAO<br>WW2DX                                                                                                                                                    | K5SM<br>K6NR<br>K7WP<br>N7BT<br>OH1JP<br>RU0SN<br>W1IZL<br>W1ZT                                                                                                                                                                         | W7ZI<br>W8RLS<br>WC5M<br>WD5T<br>YO3CD                                                                                                                                                    | SV3FUO<br>W2CG<br>W3BW<br>W4JVN<br>W4VIC<br>W4WT<br>W8GNM<br>W8HW<br>ZS1C                                                                                                                        | JA3OOK<br>JF3LOP<br>K1RO<br>KJ6P<br>LB5WB<br>NA5DX<br>OZ8X<br>RW4CY<br>UN7JID<br>V51B<br>W1GD<br>W2YE<br>W4YV<br>W7OM                                                            |
| <b>149</b><br>DL7CX<br>HB9HFN<br>IOJBL<br>IK4FNF<br>JL1ARF<br>K3TN<br>K4YYL<br>K7HP<br>K8ME<br>R8TX<br>SM6CUK<br>UW7UA<br>W0GG<br>W7HPW<br>WB8B<br>WD5K<br>YO3DDZ | <b>145</b><br>AF4HX<br>HI3T<br>IT9ZZO<br>JE6TSP<br>JH4HMG<br>JH7RXU<br>JJ3HGJ<br>JK1AJX<br>K3VAT<br>K4OY<br>K8BL<br>KF6HI<br>KR0P<br>N1CGP<br>N4GG<br>N6PSE<br>N8OC<br>OE6VIE<br>RT0F<br>SM3DTR<br>W5ADD                                | <b>143</b><br>DL6EN<br>HB9RYZ<br>IK8GYS<br>IT9BLB<br>K7CMZ<br>K7CW<br>N2RJ<br>N5UW<br>N6PAT<br>NN4R<br>W0IZ<br>W6QUV<br>WB8CQV<br>WB8ZRV<br>WD9DZV                                        | <b>140</b><br>9A1CAL<br>JA4OK<br>K5WK<br>K6KLY<br>KF8DX<br>N4XP<br>OH6NIO<br>ON7DR<br>UN1L<br>VE6SV<br>W0SEI<br>W4NU<br>W7IV<br>W8LWU<br>WO2T<br>YL2MU<br>YO9FNP                                 | <b>137</b><br>EA1YO<br>GM3YOR<br>IZ2FOS<br>JA3APU<br>K2QMF<br>K8NS<br>RA3CO<br>RG7G<br>UU1JA<br>W1ITU<br>W5ODD<br>WB5JID                                                         |
| <b>148</b><br>DK2CC<br>F5CQ<br>F5LVL<br>F5PAC<br>G4FTC<br>JA9RRH<br>JH1QDB<br>N2WB<br>N5XZ<br>NE3F<br>W5FKX<br>W9JJB                                              | <b>144</b><br>CU3EQ<br>DL5CW<br>DL5KUA<br>E70T<br>EI6IZ<br>GM3ITN<br>HB9BYQ<br>HS0ZEE<br>I5MXX<br>IT9GSF<br>IV3DXW<br>IZ4GWE<br>JA3GN<br>JE1FQV<br>K0VSH<br>KJ9C<br>LA9GX<br>LA9VFA<br>N1IX<br>N2WM<br>N3KK<br>SM4OLL<br>SM5CLE<br>W4GE | <b>142</b><br>AB9M<br>I5HOR<br>JA2ATE<br>JH0BQX<br>JR7WFC<br>K3PP<br>K4WZ<br>K6EME<br>KK1W<br>KM3T<br>MM0SAJ<br>N7QT<br>NA4D<br>NQ7R<br>NY2NY<br>OK1DO<br>W2OO<br>W5LUA<br>W5VQ<br>WA5POK | <b>139</b><br>DF7EE<br>DJ4XA<br>DL5EBE<br>DL8OH<br>DS1JFY<br>HB9CQK<br>JA1TMG<br>K2RET<br>K3ANS<br>K6AM<br>K8GI<br>K8RF<br>KA8SYV<br>KU0A<br>LA8WG<br>OK1MP*<br>SM5CBM<br>SV8ZC<br>W0SD<br>WA8WV | <b>136</b><br>E72U<br>ER0FEO<br>HB9IQB<br>IK8CNT<br>IU0HDC<br>K0TV<br>K4ZO<br>K7TM<br>KR6C<br>OK1DW<br>SM3GQP<br>SM5OJH<br>SP2BMX<br>SP6JIU<br>UT3UZ<br>UW8SM<br>W2OIB<br>WB7QXU |
| <b>147</b><br>EA3GP<br>IV3VBM<br>IZ0RVI<br>JA1XQC<br>JN1BMX<br>K8UT<br>KM1H<br>N1IBM<br>NA5C<br>PC3T<br>W1OP<br>W2KKZ                                             |                                                                                                                                                                                                                                         | <b>141</b><br>AC9S<br>DL5MHQ<br>EW1BA<br>HB9FMT<br>JA1PTJ<br>JH1HHC<br>JH4JNG<br>JI1DCW<br>JR2LJO<br>K2RW<br>NJ3K                                                                         | <b>138</b><br>DK8MCT<br>DK8YY<br>EI9FBB<br>F6DDR<br>IK8EPC                                                                                                                                       | <b>135</b><br>5B4MF<br>BA4RF<br>DJ9ZB<br>F6FXU<br>IZ7EVZ<br>JA2KVD<br>JA7LMZ                                                                                                     |
| <b>146</b><br>EU4A<br>JA1HQG<br>JA4DHN<br>JA5XAE<br>JH1GNU<br>K5KV                                                                                                |                                                                                                                                                                                                                                         |                                                                                                                                                                                           |                                                                                                                                                                                                  |                                                                                                                                                                                  |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| JA8BNP     | JA9AGN     | N4QWZ      | <b>128</b> | W3FOX      |
| JA8JL      | JR6FC      | N5PHT*     | AA4SC      | W3MF       |
| K1ZE       | JR7FRW     | N6RK       | DM2RM      | W8LMG      |
| K4TT       | K2CDJ      | ON4ON      | IK2SGB     | XE1KK      |
| K4ZRJ      | KS4YT      | PY5EG      | JA1XCZ     | <b>126</b> |
| K7FL       | KU2A       | R0SR       | JA2AHH     | DJ8WD      |
| K7XB       | OE1KM      | R9MJ       | JA2KSP     | F8BPN      |
| NZ9R       | RA5BM      | R9SA       | JA5FDJ     | G4IUF      |
| R3VA       | RV4LC      | W8DCH      | JA9AA      | JA7KY      |
| R7LP       | UQ2PZ      | W8KA       | JE1LFX     | JH3CUL     |
| RN3RQ      | VE3WT      | ZS1A       | JH4GJR     | JJ1DWT     |
| SM0LGO     | W0NFL      | <b>130</b> | K0FF       | K2ZD       |
| SM5CZK     | W2QO       | DF9ZW      | K3XA       | K4JKB      |
| SP3XR      | W5AJ       | E73M       | K4JAF      | K4XU       |
| SV5DKL     | <b>132</b> | EI2JD      | K4SE       | N8NA       |
| UB3A       | AA4NC      | G7VJR      | K6LPO      | OK3CQD     |
| W1DIG      | AD6W       | HK0HEU     | KG7CW      | PA5TT      |
| W1EQ       | G3UHU      | IK3XJP     | KM4NS      | VE3CX      |
| W2GD       | IK3VBB     | JA2FBC     | N5KM       | VE7BV      |
| W4BUW      | IT9RDG     | JG1DUZ     | OZ1IKY     | W8REW      |
| W4MBD      | K6YUI      | JI4POR     | R9SG       | W9ILY      |
| W4RFZ      | K9ZM       | K2MYR      | S53X       | WB2REM     |
| W6DR       | N6HY       | K3NK       | S55DX      | WD4LBR     |
| W6JTI      | OZ2RH      | K7LFY      | SV3DCX     | YU1EXY     |
| WE4S       | SM4BZH     | K8BCK      | US8UW      | <b>125</b> |
| <b>134</b> | SM6BGG     | K9GL       | VQ9LA      | 9A1AD      |
| CT3HF      | SP6M       | KO8SCA     | W2WC       | AG1A       |
| HA1RB      | VE3CRG     | NA4EA      | W4IS       | GW3TMP     |
| IK4DCS     | W4AXL      | NO9E       | W6RKC      | HK4SAN     |
| JA7LGE     | W4RBO      | OZ2ABI     | WB0O       | IW0HEX     |
| K1TO       | W4WM       | R5QA       | ZS6UT      | JA4IYL     |
| K1ZN       | W5SL       | R9AB       | <b>127</b> | JA6VU      |
| K3OX       | W7AH       | RU1AO      | AC9EM      | JE1TSD     |
| K5VIP      | W7CD       | S51NM      | CT3KN      | JE6UWU     |
| KX4TT      | W9FR       | TA1CM      | HK1MW      | JF2WXS     |
| N9MR*      | WB3D       | VE3DO      | JA1DDH     | JH1AGU     |
| N9RS       | XE2S       | W2MPK      | JA1WLO     | K1HAP      |
| OE1TKW     | <b>131</b> | W9ZT       | JA8RJE     | K5KG       |
| OH1ZK      | DK7YY      | <b>129</b> | JA9KRO     | K9GWH      |
| ON4CAS     | DL9FCY     | HB9AZZ     | JH3AIU     | KA6BIM     |
| PY5HOT     | HS1NGR     | JA1NWD     | JN1RQV     | KI4WCQ     |
| RG6G       | IV3KFB     | JA8JO      | JS2LHI     | LZ1XL      |
| RX4HW      | JA0AOO     | JK1EXO     | K0RW       | N2KA       |
| SM0BYD     | JA2TBS     | K6XM       | K3TRM      | N3EN       |
| UA0ACG     | JH4ADK     | K8DV       | N1AC       | N4JT       |
| W4JKC      | JJ1TEA     | LB7ZG      | N1GC       | ND5S       |
| YU1AM      | JM1FHL     | N0YY       | N9RD       | NW6S       |
| <b>133</b> | K1UU       | N2BJ       | OE3SGU     | OE1AZS     |
| 9K2NO      | K6SIK      | N3KS       | OE8HIK     | RA0BA      |
| EU1U       | K9DR       | N3RR       | SK7AX      | UU7JM      |
| G4XEE      | KC2LSD     | PA3EWP     | SP6A       | VE3UTT     |
| IK5DNF     | KH2L       | W0YVA      | SP7ASZ     | W5DAW      |
| IZ8DFO     | KM3V       | W7QHE      | W0CP       | W9CG*      |
| JA6CBG     | KM4H       | W8MET      | W0RT       | W9DX       |
| JA7GLB     | N3MK       | W8MK       | W1OPD      | WV4TN      |
|            |            |            | W3BG       |            |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| YO2RR      | W4NF       | W9FI       | HB9AAQ     | <b>117</b> |
| <b>124</b> | W8NJR      | W9XX       | HB9BCI     | 9K2OD      |
| AA7XT      | XE1H       | W9YE       | I2TZK      | 9Y4VU      |
| AB1OC      | <b>122</b> | WA1PMA     | I4MKN      | AE0P       |
| J11DHY     | G3NDC      | WY1G       | IK0ZIO     | BH4IGO     |
| KD2T       | IU0LFQ     | XE1VIC     | JA3AZD     | DL1DWT     |
| KD4POJ     | JA1MRM     | <b>120</b> | JA4XGC     | G3PLP      |
| KZ5DX      | K1BZ       | 9A5F       | JE2JMV     | IT9DAA     |
| NA2U       | K1ESE      | AA4DD      | JH6CDI     | JA1HQT     |
| PA0TCA     | K1YT       | AA5JF      | K3NF       | JA4FM      |
| UA0BA      | K2MP       | AL7TC      | K5UZ       | JA7GYP     |
| VA7CRZ     | K7ZA       | DL2VWR     | K7EG       | JA7IC      |
| VE1DUN     | LA7WCA     | FG5FR      | K8KWT      | JM3GXU     |
| W2JU       | LA8PT      | HB9BLQ     | N0KV       | JR2UBS     |
| W2RIJ      | N3NR       | IZ0LKV     | N4DJ       | K2BB       |
| W3FM       | N9AW       | IZ5NFD     | N9UA       | K6PJ       |
| W6CYX      | NN7X       | JA4EPE     | NT2A       | K8OOK      |
| WB8K       | OZ3Y       | JR3UIC     | NY7T       | K8QM       |
| WT4Q       | RD4A       | JR6LLN     | OH5NG      | K9FN       |
| <b>123</b> | SP9WZS     | K2BA       | OK1DT      | N2JJ       |
| AC4TO      | UU4JMG     | K2HK       | R6FFB      | N4IR       |
| DL7JRD     | VE6AX      | K3QIA      | SV1ACK     | N8AA       |
| F4GTB      | VK4CAG     | K9SG       | W4HZ       | N8XI       |
| G4WFQ      | W2TB       | KA8ZPE     | W8FIB      | NY4G       |
| G5LP       | WA3I       | N4BAF      | WC2K       | ON5UE      |
| HB0WR      | WA7BNG     | N4LR       | XE1RCS     | OZ5HP      |
| IK2CHZ     | <b>121</b> | N4TB       | <b>118</b> | SM7BIC     |
| JA0CRG     | AA6RR      | N4UFP      | 5T5PA      | SP8HKT     |
| JA1SJV     | AA8CH      | OE3EVA     | AB2E       | UA6J       |
| JA3MHA     | DF1DB      | OZ2A       | DL5OCE     | UR9IDX     |
| JA6WJL     | DK1EI      | PZ5RA      | JA4FHE     | W4ZRZ      |
| J14WAO     | DK6CQ      | RL3BZ      | J18DGO     | W6SL       |
| JR1EBE     | EI2GLB     | SP3PLD     | JN7DOS     | W8ZR       |
| K2PK       | HB9DHG     | SP7ITB     | K3WGR      | WA2USA     |
| K3FRK      | IT9AAI     | SV1IW      | K4CNW      | <b>116</b> |
| K3XO       | JA2HYD     | UR5IKN     | K5XM       | AJ4F       |
| K4ZIN      | KD8RQE     | US0YA      | K7PI       | DL7URH     |
| K5GH       | KG9Z       | US1CT      | K8LN       | EA5BRE     |
| K5JC       | KV4AA      | VE3YF      | K8WVA      | HA7PF      |
| K6FW       | N0OK       | W0RX       | KD6UO      | HB9EFK     |
| K7UT       | N1JP       | W2YR       | KG8CW      | IK0EIE     |
| K9CS       | N3ND       | W3OA       | LZ2HM      | IK2OHG     |
| KV4T       | N4TL       | W4PRO      | N2MM       | IK7YZG     |
| N2ED       | N6HC       | W6RFL      | N5BO       | IT9TQH     |
| N4DWK      | N8PW       | W7RN       | N6MB       | IV3HYD     |
| N6MZ       | SV1AHX     | WP3R       | PY2PA      | JA1WTI     |
| N9JV       | SV1FKZ     | ZL4AS      | RN3TT      | JE2EHP     |
| N9LQ       | UQ1GWW     | <b>119</b> | SV9COL     | JH3GCN     |
| NA2P       | UT4EO      | AA3AZ      | TA2RC      | K1DC       |
| NA9RB      | UU2JQ      | AE3T       | W1KSZ      | K1RI       |
| S50B       | VA3AYA     | AJ4A       | W4DAO      | K6RO       |
| UA3DK      | W0QQ       | DK3GG      | W4NJ       | KT1V       |
| UR9QQ      | W2GG       | DL9OBY     | W5JMW      | KV1J       |
| UT3QU      | W3RJW      | EW4M       | W5VY       | NA9Q       |
| W1AO       | W6XI       | G4DJJ      | WX3P       | OH8LXT     |
|            |            |            | YO4AUL     | OZ1LCG     |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| PA0JSE     | HP3TA      | RA4UN      | W2CVW      | YO6HOY     |
| RV3ID      | I5OYY      | RZ3AUL     | W2SKI      | <b>110</b> |
| TZ4AM      | JA1OVD     | SM5ARL     | W3UL       | BA4MY      |
| UA4PCM     | JA4BXL     | SP3EPG     | W4VHF      | DL1VDL     |
| W1ENE      | JA4KDT     | SV1JFV     | W5VX       | EA5BYP     |
| W1WEF      | JH6WMJ     | SV2AVP     | W6TC       | F5BAR      |
| W7GG       | K1RV       | UN7TW      | W8GEX      | G3LNS      |
| W7OEV      | K2DC       | VE3KI      | W8HMK      | G8AJM      |
| W8LRO      | K2HAT      | W2GW       | W9SE       | HI8R       |
| WQ5L       | K3MD       | W6BK       | WA8OLN     | I2BBJ      |
| <b>115</b> | K3OSX      | W8FAX      | WT9U       | IK5RUN     |
| C6AGU      | K5CD       | W9VNE      | ZP6CW      | IK8UHA     |
| CU2CE      | K5RJ       | WA2BOT     | <b>111</b> | IZ2EWR     |
| DL9GOA     | KB8U       | WA4DOU     | AA4U       | J68HZ      |
| G8BCG      | KZ4V       | WB2HJV     | AF4OX      | JA7EPO     |
| G8DX       | N1QY       | WB2UFF     | CU3AN      | JE2UFF     |
| HA5UK      | N3MN       | WS4C       | DG7RO      | JH1VHU     |
| HK3PJ      | N4IQ       | ZL1BYZ     | DK2WH      | K2BLA      |
| IZ0CKJ     | NU8Z       | <b>112</b> | DK6ED      | K3JRR      |
| IZ7JVR     | UA3FT      | A92IO      | DL1HRN     | K3PH       |
| JA2KNW     | W0VX       | DJ1RL      | EV1R       | K4WW       |
| JA3NHL     | W3MR       | DK5RL      | F6ECI      | K6MI       |
| JA5WIZ     | W4TUN      | DL5CL      | G4DBN      | K6VKO      |
| JG3LGD     | WA1FCN     | EA1JO      | HC1BI      | KB4MRX     |
| JH1RFM     | WA4CEM     | EW1DO      | HL3GOB     | KC2STA     |
| K0GD       | WA8MCD     | G3XGC      | JA1AUD     | N2CG       |
| K0SD       | WA9YYY     | HB9CEX     | JA1FGB     | N3HBX      |
| K4CMS      | WN9O       | HB9CRV     | JA1NCZ     | N3IQ       |
| K4GHS      | XE1RBV     | HB9G       | JE8TGI     | N3JB       |
| K4GK       | XE3ARV     | IK2ANI     | K0FLY      | N4KE       |
| K8YTO      | <b>113</b> | IU8FRE     | K5WAF      | NC6K       |
| LY4T       | 9A1A       | IZ4DIW     | K7ORK      | NK7C       |
| N0IRM      | DJ5DT      | JA1SXR     | K9AJ       | NY4I       |
| N4OA       | DJ9RR      | JA7BXS     | KM1R       | RD9M       |
| N8KOL      | DL8CM      | JF2WGN     | KP4AA      | SM5BHW     |
| PA3AXU     | DL8DYL     | JR7TEQ     | KZ0X       | SV1VS      |
| RZ6MJ      | DL9GTB     | K0JPL      | LA0CX      | UA3O       |
| UA1ANA     | G4AFJ      | K1EDG      | N4WJ       | US7MM      |
| UA1CGS     | JA0GCI     | K1EO       | N7BD       | W0UY       |
| UA6XT      | JA4ITW     | K1KO       | NA1DX      | W3XY       |
| UN6T       | JH1ORA     | K4UAS      | UR6QA      | W4DC       |
| W4UCK      | K0TPP      | K8CC       | VE6KC      | W4NE       |
| W9HBH      | K8SL       | KB2FCV     | VE7CT      | W5ZPA      |
| YL2CZ      | KA4RRU     | KI4DLS     | VE7UF      | W6KK       |
| <b>114</b> | KH6DX      | KM1C       | W0VHF      | WL7E       |
| AB4GE      | KI0G       | LA8HGA     | W1FO       | XE1FAS     |
| BA4DW      | KT1J       | N5ZC       | W4HOG      | YU7AU      |
| BA7IO      | N6PE       | N6MA       | W4OX       | ZL3NW      |
| CT3FN      | N7KO       | N9HF       | W5AQ       | <b>109</b> |
| CU3AK      | N9ISN      | RU4SU      | W7VS       | DF1KG      |
| DL6NB      | NA3F       | SM3DMP     | W8MIL      | EA3GHZ     |
| DL6UAA     | NG0G       | UA1ACG     | W9RB       | EU4T       |
| EI8IU      | NI5F       | UA1CEI     | WA2MUA     | F8EZE      |
| F6CWA      | NK5B       | UT6UD      | WB4TDH     | G3SVD      |
| G3SDL      | NZ3M       | VE7XF      | WB9EEE     | IW0HQE     |
|            | R7NA       | W1HEO      | YL3DQ      |            |

|            |            |            |            |            |
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| JA2CXF     | LU2DKT     | KB9DAK     | K5AM       | JF1RYU     |
| K2CJ       | LZ3YY      | KE2R       | K5ZQ       | JF2VAX     |
| K2ONP      | N4MEC      | N2RR       | K8JJC      | JO4CFV     |
| K4RDU      | N6RFM      | N3DAP      | KD9HL      | K1DJ       |
| K5FZ       | N9SF       | N4RF       | KK8X       | K2XF       |
| K5KA       | N9TF       | N6EE       | KK9H       | K5AV       |
| K5KPE      | NU4Y       | N8AGU      | KQ3F       | K6DJ       |
| K6MW       | PA0ZH      | N9PGG      | N0JZ       | K7OX       |
| KA9UVY     | R5FY       | NA5Q       | N2CW       | K7PO       |
| KE1F       | R7LA       | NE1F       | N2SQW      | K9RO       |
| N1BZ       | RA1OHX     | OE1CP      | N3XM       | KI5T       |
| N2WLG      | RX6DX      | OK2BUZ     | N8AID      | KT2E       |
| N7TY       | S57J       | OK3CQR     | NA5Z       | LZ1JZ      |
| N8NN       | SM6AOU     | R0FA       | NI5M       | N2DPF      |
| ND4V       | UX7UN      | RN4AA      | NS3L       | N4JI       |
| NN4RR      | UZ6LWZ     | RV6ARZ     | OE5CSP     | N4NW       |
| NU4I       | W2UB       | SP3BQD     | OH2OT      | N4PL       |
| NX7U       | W3NRJ      | SP6AXW     | OK1AYU     | N4SC       |
| PY5CC      | W4ZYT      | US5CB      | OK2BVG     | N4VN       |
| RW4UU      | W7ACD      | VE3OI      | S57AL      | N6NU       |
| RW9QA      | W8IW       | VK3NX      | UR3CRO     | N7DR       |
| RX3AGD     | WA2ALY     | W3KB       | UT7UU      | ND3L       |
| TG9NX      | WA8MOA     | W4MAY      | UU5WW      | ON7PQ      |
| UB5ZAL     | WB8BZK     | W6TDX      | V73AZ      | OZ4AAL     |
| UT7KF      | WC1M       | W8VK       | VQ9SS      | PF7M       |
| VU2CPL     | WC6DX      | W9CPV      | W1CWU      | PJ2/K8ND   |
| W5WP       | WD9EQU     | WA0RVK     | W2EQ       | PY2DS      |
| WB5TUF     | WW1WW      | WB6CJT     | W2LE       | R6YY       |
| WN0L       | ZS2DL      | WB8ART     | W2NO       | RA6AF      |
| YV3AGT     |            | WS1L       | W3ICM      | RD4WM      |
|            | <b>107</b> | XE2YWH     | W4IR       | SP5JXK     |
|            | 4Z5LA      | YL1XZ      | W5JAY      | UA6LCN     |
| <b>108</b> | DJ8ES      | ZL3RJ      | W5KI       | UR1RWX     |
| AI2Q       | DK3FB      |            | W8OP       | UR2RGN     |
| AL7R       | DL1QQ      | <b>106</b> | WA4MYO     | VE1PZ      |
| DL6CNG     | DL2CHN     | AA4FL      | WA6TLA     | VR2MY      |
| ER1LW      | DL5XU      | AE2U       | YL2GN      | VY2ZM      |
| G3VAO      | DO4DXA     | DJ6OZ      | YU3EF      | W1LE       |
| HB9BAT     | EA5AT      | DL2NOM     |            | W1LY       |
| HB9FAN     | EA7QW      | DL3JSW     | <b>105</b> | W1MRH      |
| IK0PRG     | FG8OJ      | DL6JZ      | DF2PI      | W4OWY      |
| IZ0BTV     | G4AKY      | EA1CP      | DF8AA      | W6FF       |
| JA2MOG     | G4RGK      | EA3CCN     | DJ3XD      | WQ5W       |
| JJ2PIK     | I5IHE      | HA8DZ      | DJ6KH      | YU1NR      |
| JK1MZT     | IT9XTP     | IW3GJF     | DL4ZAB     |            |
| K1EP       | JA5EY      | JA1VLK     | DL6XK      | <b>104</b> |
| K1XM       | JA6OXT     | JA2MNB     | DO1CTL     | 9M2AX      |
| K2KQ       | JA8JTH     | JE6IGP     | ES1GO      | AD1C       |
| K2MK       | JH9DRL     | JG3HBO     | G3YUV      | AG4Q       |
| K4SAF      | JR1BAS     | JG5RVQ     | HA8FW      | AH0U       |
| K4WY       | K0MD       | JH2KKW     | JA1BWA     | CP8HD      |
| K4YJ       | K1TZQ      | JH6PFY     | JA1TAA     | CX3CE      |
| K6UT       | K3SW       | JJ0NCC     | JA4EVN     | DK3BK      |
| K8OM       | K3YBN      | JR0EQQ     | JA6VA      | DL4FAP     |
| KM8AM      | K4MS       | K0DEW      | JA7BME     | DL7UPN     |
| KN4JX      | K8LBT      | K1PX       | JA8RRF     | E73D       |
| KX2A       | K8ZR       | K4DSE      | JA9APM     | EA8ZS      |
| KZ1W       |            |            |            |            |

|          |            |            |            |        |
|----------|------------|------------|------------|--------|
| EI9E     | W1QA       | OH3GD      | K4AQQ      | AC5O   |
| F6AJA    | W3DRY      | OK1DQT     | K4KAY      | CT1JGA |
| F8GB     | W3TMZ      | OK2BQU     | K5ZO       | D44BC  |
| G3BRD    | W5BK       | OK3BRK     | K7BHM      | DH2FW  |
| HB9CIP   | W5CWQ      | OZ7JZ      | K7UA       | DK9WI  |
| HK3O     | W5GJ       | R9GM       | K8BHZ      | DL1KS  |
| IK0DWN   | W5ZO       | RA0FA      | KJ6NZ      | DL3ANK |
| IZ4MJP   | W6PH       | RA4HT      | KN4KL      | DL5JS  |
| JA1JAT   | W7DR       | RK3QY      | KW4BY      | DM3ML  |
| JA1SDV   | WA0I       | RU3OW      | KY6R       | EA1WX  |
| JA2FGL   | WA9ETW     | SM3CBR     | LA3ANA     | EU1TT  |
| JF1EGO   | YC0LOW     | SM6EHY     | LA6UL      | G3ZFC  |
| JF6WTY   | YO5ODE     | SM7BHH     | N5RZ       | G4FJK  |
| JK1BSM   |            | UA3PFN     | OH2EA      | GM3WTA |
| JO1WXO   | <b>103</b> | US2WU      | OK1DTN     | HB9NL  |
| K0WK     | AG1I       | UT2AB      | OK1JDX     | IK5ZUK |
| K1BG     | AI3Q       | VA2ZO      | OK3CSQ     | IV3GOW |
| K3FM     | DJ1MM      | VA3IC      | PA7TWO     | IV3KCB |
| K4KEW    | DJ3GZ      | VE3EDY     | PV8ABC     | JA1VVX |
| K4MF     | DJ7PI      | VE3MFA     | PY2DO      | JA2VMU |
| K4VIG    | DL2HX      | VE3VV      | R2AB       | JA6TMU |
| K5HK     | DL8YRM     | W0QC       | R3IS       | JA7SFD |
| K6UM     | DM5TI      | W0UVC      | RU3UN      | JE1PHH |
| K7TJR    | DS3HWS     | W1CTN      | S59DJK     | JF1RPZ |
| K9EA     | EA7SG      | W4AVY      | SM6WET     | JH3HGH |
| KA2BZS   | EU6MM      | W4MZ       | SP5MXZ     | JH3PRR |
| KH6KG/W5 | EW3LB      | W5THT      | T77V       | JH7BKN |
| KI0KB    | G3BDQ      | W5VU       | UA1AIR     | JI3KDH |
| KW0A     | G3OIL      | W6SZN      | UA1CKC     | K0LW   |
| LZ2XF    | G4AAW      | YO7APA     | UA6HOF     | K1YR   |
| N3ER     | G4PUQ      |            | UA9MR      | K2BX   |
| N3TR     | G4VGO      | <b>102</b> | UA9UCO     | K3SEW  |
| N4GU     | I0OSI      | A6/RV6LNA  | UW7CN      | K4NNX  |
| N4TTE    | JA2GQO     | CT4BD      | VE2FYR     | K5DNL  |
| N6PF     | JA2OLJ     | DK3QM      | W0JMP      | K5WE   |
| N6WM     | JA3FHL     | DL3DXX     | W1AW       | K6AAW  |
| N8MZ     | JA8EJO     | DL3NCR     | W1PV       | K6XJ   |
| N9DR     | JE1SYN     | DL4CW      | W2LW       | K7AR   |
| NJ9C     | JH1DGQ     | DL4KUG     | W2TX       | K7IA   |
| NN3Q     | JM2RUV     | DL5RDI     | W3EKT      | K8BN   |
| OH4UI    | K0EOO      | EA8AKN     | W4ALF      | K9JU   |
| PA0GMM   | K2UVV      | EI4DQ      | W4KK       | K9PG   |
| RA1QX    | K4LQ       | EI6GF      | W5TO       | KC4PX  |
| RU3UR    | K5JUC      | ES5RW      | W7IUV      | KD3UY  |
| RZ6DX    | K7BTW      | F6BWO      | WA0IDK     | KE1VT  |
| RZ6LB    | K8CCV      | FM5WD      | WA1S       | KE4S   |
| SM5CCE   | K9MUG      | HB9AHL     | WD8DSB     | KF7NN  |
| SM7CQY   | K9XJ       | I8LWL      | WS4Y       | KN6J   |
| SO5AS    | KE1IU      | IT9SFT     | WW5G       | KQ1F   |
| UA9FGJ   | KJ4R       | JA0HXV     | YO2CMI     | KS4XQ  |
| US5CAO   | KJ7WY      | JA8OW      | YO2IS      | LA2GV  |
| UT4EK    | KM9E       | K0YN       |            | LZ1XZ  |
| UT7EC    | LX1DA      | K1PTF      | <b>101</b> | N0STL  |
| UX4UM    | N0RU       | K2LP       | AA2VG      | N2AJ   |
| UY0MM    | N1HOQ      | K2TER      | AA3LX      | N5AQ   |
| VE3VHB   | N9BBQ      | K2TK       | AA4NU      | N8AG   |
| W0YBS    | NU1T       | K3KG       | AC2AC      | N9JCS  |

|            |           |        |        |
|------------|-----------|--------|--------|
| NX2X       | A41ZZ     | KC5LT  | UN6P   |
| OA4TT      | AA4AK     | KD8BZY | UR4CW  |
| OE3WQB     | AA4UC     | KP4N   | UR4LRG |
| OH3TY      | AB4VV     | KQ5M   | UR8IDX |
| OK1PGF     | AC4VM     | LA8W   | VE1RGB |
| OK2BOB     | AI2S      | LU5OM  | VE3OAT |
| OK3EY      | DJ6OI     | LU5YF  | VE7JKZ |
| OK4MM      | DK8MM     | MM0SJH | VP2VA  |
| ON4LG      | DL1TPY    | N0AH   | VR2PX  |
| PA4WM      | DL1TRK    | N0ATQ  | W0GYH  |
| RA3AH      | DU7ET     | N1KI   | W0MU   |
| RA4P       | EA2AAZ    | N1MD   | W1AN   |
| RA4SD      | EA3ALD    | N2SG   | W1YRC  |
| RB7GG      | EA8AXT    | N2XQM  | W2CCC  |
| RK9F       | EC5A      | N3AF   | W3BBO  |
| RY6M       | EI3ISB    | N4CRI  | W4HHN  |
| SM2DMU     | ES5NC     | N4ZR   | W4OEP  |
| SM7NDX     | FM5GU     | N7DED  | W4OV   |
| SP7JLH     | G0VXE     | N7TK   | W6WA   |
| SV1PL      | G4CGG     | N8IL   | W7DT   |
| UA0FDX     | GM3ZSP    | N8NB   | W7JET  |
| UG6GAW     | I2VGW     | N8OQ   | W8CNL  |
| UR5WIF     | IK0HFO    | N9ADG  | W8FN   |
| UR7CQ      | IK4MSV    | NA6O   | W8GDQ  |
| UT1CC      | IS0/YO3RA | NB3R   | WB4SON |
| UT4IS      | IT9CVO    | NG7A   | WB8TGY |
| UT7HA      | IW0BYL    | NJ3I   | WU2M   |
| VE2OJ      | JA1BRK    | NN4SS  | YB1TJ  |
| VE3ARF     | JA1CPU    | OE5JDL | YL2SM  |
| VE3XB      | JA1ILA    | OK1DXD | YO9FLD |
| VK2GR      | JA4FSH    | OK2PAZ | ZP9MCE |
| W1FC       | JA5DQH    | ON4ANN |        |
| W1GF       | JA9CGW    | ON7EH  |        |
| W2SF       | JF3DRI    | ON7GB  |        |
| W3WH       | JS6TWW    | ON9CC  |        |
| W4BUE      | K0LB      | OZ1ZD  |        |
| W4PM       | K0XM      | PA0INA |        |
| W5RF       | K1NA      | PA7RA  |        |
| W7AV       | K1NZ      | PY7DJ  |        |
| W7CB       | K2CBI     | R3PJN  |        |
| W8GB       | K2CYE     | R9JX   |        |
| W9MAF      | K3TZV     | RA3SD  |        |
| W9ZCL      | K4FT      | RA4LW  |        |
| WA3EKL     | K4KGG     | RA6XB  |        |
| WA3PTF     | K4KSY     | RC2A   |        |
| WB3HLH     | K4QS      | RN1A   |        |
| WC4H       | K4UQC     | RT5A   |        |
| WK9U       | K7VIC     | RU3GF  |        |
| WR2G       | K8BZ      | S53MJ  |        |
| WV9L       | K8CR      | S59SV  |        |
| YO2OXD     | K8CS      | SM0CXU |        |
| YO6BHN     | K8LE      | SV1VJ  |        |
| YV4DYJ     | K9NZ      | SV2DSJ |        |
| ZS1J       | KB0EL     | TI5CDA |        |
|            | KB1HY     | UA3AKI |        |
| <b>100</b> | KC0V      | UA4PAY |        |
| 9M6YBG     | KC4D      | UA6CEY |        |