

## 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 15 Apr 2024, 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 RTTY 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.

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| <b>344</b><br>W8LRL                                            | ON4UN*<br>UA2FF                              | <b>315</b><br>IK4WMA<br>OH3SR<br>S50U<br>W1JR                                                    | W3GH*                                                                     | K1UO<br>K9QVB*<br>SM3GSK<br>YU1FW                                                                       |
| <b>341</b><br>EA8AK                                            | <b>324</b><br>K2TQC<br>OH2BO<br>W1NG         | <b>314</b><br>4X4DK<br>IK4GME<br>K5RK<br>N1DG<br>NX4D<br>OK3GU<br>OZ1LO<br>PE5T<br>RW2A<br>UA4CR | <b>308</b><br>I4EWH<br>IV3PRK<br>K8GG<br>SM6CVX<br>W5IZ                   | <b>302</b><br>DL4MCF<br>GM0GAV<br>GM3YTS                                                                |
| <b>340</b><br>K1ZM                                             | <b>323</b><br>S50A<br>SP5EWY                 |                                                                                                  | <b>307</b><br>DJ7MI<br>IK4MGP<br>K4SV<br>OH5VT<br>RZ3AM<br>UT3UA<br>VE3EJ | <b>301</b><br>DL9KR<br>N1RJ<br>N3XX<br>S54E                                                             |
| <b>339</b><br>W4DR<br>W4ZV                                     | <b>322</b><br>EY8MM<br>K4PI<br>UX0UN<br>W3UR |                                                                                                  |                                                                           | <b>300</b><br>F6BKI<br>G3KMA<br>I2ZFD<br>LZ2JE<br>PA3FQA<br>RC3FL<br>SM3EVR<br>SP3EPK<br>SV8JE<br>VA3EF |
| <b>334</b><br>N4WW<br>OH2BU<br>VE1ZZ*                          |                                              | <b>313</b><br>GM3POI<br>OE3GCU<br>OZ7YY                                                          | <b>306</b><br>K4CIA<br>N4RJ<br>SM0AJU<br>WT3Q                             | <b>299</b><br>JA4DND<br>K4TEA<br>N1BUG<br>SV1FJA<br>UX1UA<br>W7UT                                       |
| <b>333</b><br>R7LV                                             | <b>321</b><br>K5NA*                          | <b>312</b><br>OH1MA                                                                              | <b>305</b><br>EA6SX<br>JA7NI<br>K4ZW<br>N4IS<br>RW3PZ*                    |                                                                                                         |
| <b>332</b><br>UR0MC                                            | <b>320</b><br>SM4HCM<br>W8UVZ<br>WB9Z        | <b>311</b><br>DF3CB<br>DJ6RX<br>DJ9KG<br>G3PQA<br>OG2M<br>RA7A                                   | <b>304</b><br>N4JJ*<br>NN4T<br>UA6A                                       |                                                                                                         |
| <b>330</b><br>AA1K<br>HA0DU<br>K5UR<br>LZ2DF<br>OH1XX<br>UT7QF | <b>319</b><br>K8MFO<br>N0XA<br>SM4CAN        | <b>310</b><br>I4AVG<br>KJ9I<br>SM5BFJ<br>SP2FAX                                                  | <b>303</b><br>CT1EEB<br>DJ0MDR<br>F5LGE<br>JA1BK<br>JA4LKB                | <b>298</b><br>9A2AJ<br>IK2DFZ<br>OZ3PZ<br>SM5CEU                                                        |
| <b>329</b><br>K3UL<br>UA4HBW                                   | <b>318</b><br>W9ZR                           |                                                                                                  |                                                                           |                                                                                                         |
| <b>328</b><br>R4GM<br>UA4CC                                    | <b>317</b><br>I4EAT*<br>W3LPL                |                                                                                                  |                                                                           |                                                                                                         |
| <b>325</b><br>K9UWA                                            | <b>316</b><br>W2VO                           | <b>309</b><br>UT5UGR                                                                             |                                                                           |                                                                                                         |

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| <b>297</b><br>DK5PR<br>N4CC<br>OE6IMD<br>OM2XW<br>RA3DX<br>W0CD*<br>W0FLS                                | SM3NRY<br>SM6CMU<br>SP3IBS<br>UA3AKO                                               | <b>282</b><br>DL1YD<br>I0WDX<br>JH4IFF<br>K4SO<br>K8KS<br>N2LT<br>N4KG*<br>SM6CTQ<br>SP3DV<br>US5WE<br>UY5ZZ<br>W0BV<br>W2YC | N8RR<br>N9IW<br>OK1AWZ                                                                                        | K6ND<br>RV3LO<br>W1ZC                                                             |
| <b>296</b><br>DF2UU<br>DJ2BW*<br>F5NTV<br>G0JHC<br>G4PWA<br>OE1WEU<br>ON5NT<br>W1JZ                      | <b>289</b><br>I5NPH<br>JA3ONB<br>K0KX<br>K4WM<br>N8DX<br>RX4HZ<br>US4EX<br>W5ZN    | <b>281</b><br>DF2PY<br>JA2PJC<br>JA5EXW<br>K1CP<br>K9CT<br>S59Z<br>W4TO                                                      | <b>275</b><br>9A1CCY<br>K2UO<br>K4IQJ<br>OH3BU<br>SP5CJQ<br>SP9DWT<br>UW2ZM<br>VE2TZT<br>W2OKM*<br>YO3APJ     | <b>268</b><br>DL5DSM<br>G3WPH<br>KD5M<br>RA3XDX<br>RK4FD<br>SM5DJZ*<br>W1MK       |
| <b>295</b><br>K3UA                                                                                       | <b>288</b><br>PA3GCV<br>RA3CQ<br>RY9C<br>SL0ZG<br>SP7VC<br>UA4LY<br>W0JX<br>WK3N   | <b>280</b><br>EA6NB<br>SM4DHF<br>SP6HEQ                                                                                      | <b>274</b><br>G3TXF<br>IK4CIE<br>K1ZZ<br>SP6AEG                                                               | <b>267</b><br>LU8DPM<br>RZ3DX                                                     |
| <b>294</b><br>JH2FXK<br>LA5HE<br>RJ3AA                                                                   | <b>287</b><br>DL1RWN<br>N2QT<br>VA3DX<br>W4PK<br>WD5COV                            | <b>279</b><br>HB9BIN<br>IK4DRY<br>N2TK<br>UA6MF                                                                              | <b>273</b><br>F5NBU<br>IK8HJC<br>K2CL<br>K5BG<br>KF2O<br>MD0CCE<br>RA3DA<br>SM6CCO<br>UA3DPM<br>UX1AA<br>W6UB | <b>266</b><br>K8PT<br>LA3MHA<br>NR1R<br>R3LA<br>W8TE<br>W8XD                      |
| <b>293</b><br>DL1AMQ<br>KV4FZ*<br>S58T                                                                   | <b>286</b><br>DJ2YA<br>IK1GPG<br>JR2KDN<br>K3SX<br>N3SL<br>PA0WRS<br>UT7UW<br>W8AV | <b>278</b><br>DK0EE<br>F6BEE<br>JA3FYC<br>JR7VHZ<br>K5DU<br>KG4W<br>NJ6P<br>UR5WA                                            | <b>272</b><br>9A2EU<br>CT1EKY<br>DL1DUL<br>DL2OE<br>JA8ISU                                                    | <b>265</b><br>AA1V<br>AA4V<br>AA7A<br>G4OBK<br>RW0LT                              |
| <b>292</b><br>G4BWP<br>JA2JPA<br>JH4UYB<br>OZ1BTE<br>R7FK*<br>SM5AQD<br>SV1AOZ<br>SV8CS<br>W3YX<br>W8TOP | <b>285</b><br>G3XTT                                                                | <b>277</b><br>AA4MM<br>DJ9VA<br>F6AOJ<br>IK5BAF<br>ON7TK<br>SM6CNN                                                           | <b>271</b><br>EU7A<br>G4GED<br>HB9AMO<br>OZ1CTK<br>SP6CIK                                                     | <b>264</b><br>AA6YQ<br>W1GL<br>YO5BRZ                                             |
| <b>291</b><br>9A7V<br>DF3GY<br>JA4LXY<br>KD9SV<br>N0TB<br>R7NW<br>SP3E<br>UA3LAR<br>UT7UJ                | <b>284</b><br>K5XI<br>UA3AB                                                        | <b>276</b><br>DK5WL<br>DL7VEE<br>G3LZQ                                                                                       | <b>270</b><br>I2AOX<br>OE5KE<br>SM5KNV                                                                        | <b>263</b><br>IZ1ANU<br>K9OW<br>W2SM<br>W3AP                                      |
| <b>290</b><br>IZ0AEG                                                                                     | <b>283</b><br>CT1APE<br>G4CCZ<br>HB9BGV<br>NA0Y<br>NO3M<br>R3OK                    |                                                                                                                              |                                                                                                               | <b>262</b><br>G0DQS<br>K4UEE*<br>K4XP<br>K7ZV<br>KR9U<br>SP9JZU<br>UX4UA*<br>W1YY |
|                                                                                                          |                                                                                    |                                                                                                                              | <b>269</b><br>IK6DLK<br>JA5AUC                                                                                | <b>261</b><br>9A4T<br>DL9YX<br>K2EK                                               |

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| K5KC<br>N6SS<br>NO8D<br>SP1S                                                                       | <b>253</b><br>5B4AGN<br>K5ESW<br>RU3FM<br>S58Q<br>SP9FKQ*<br>UA1OMS<br>W0YG                         | R7IA<br>WB3AVN                                                                                                | UA3TT<br>VE1YX<br>VE3NH                                                                          | JH4ADV<br>K3SWZ<br>KA9CFD<br>N6DX<br>R7DX<br>RA0FF<br>RU3QR<br>VE3XN<br>WA7NS                                  |
| <b>260</b><br>K1LT<br>K4DY                                                                         |                                                                                                     | <b>246</b><br>DJ2TI<br>K0IEA<br>N6TR<br>TF4M<br>W2TQC<br>W5XZ                                                 | <b>240</b><br>IV3ODE<br>K0JUH<br>K1FZ<br>K1ZG<br>K9OT<br>LA2XPA<br>SV8GFW<br>UR5MID              |                                                                                                                |
| <b>259</b><br>DF4PL<br>EA5BM<br>F6GCP<br>I1FQH<br>IK2YCW<br>N3NT<br>R9FM<br>SP5DIR                 | <b>252</b><br>EA1DR<br>IV3YYK<br>JF2MBF<br>LA5IIA<br>PA4VHF<br>S52F<br>W3UM                         | <b>245</b><br>DL4CF<br>F2JD<br>JA1GV<br>N5DG<br>N9US<br>RL9F<br>RY7G                                          | <b>239</b><br>F6BLP<br>JR3IIR<br>K0KT<br>KH6AT<br>LY3UM<br>RN3QN<br>SV1ELF                       | <b>234</b><br>AC4G<br>AJ6T<br>K4UTE<br>KF0QR<br>PY1BVY<br>VE7IG*                                               |
| <b>258</b><br>KW9A<br>KX4R<br>RN3CT<br>VE3QAA                                                      | <b>251</b><br>DJ7RD<br>DL9RT<br>JA2VPO<br>JH0BBE<br>N4II<br>ON4AOI<br>VK4MA<br>W3KX<br>W5UN<br>W7LR | <b>244</b><br>AG9S<br>DK6WL<br>IK0XBX<br>JA1HGY<br>JA7QVI<br>K9RX<br>ON4IQ                                    | <b>238</b><br>DL8WN<br>IK0XEZ<br>JA0CRI<br>JA0DAI<br>JR3GWZ<br>K1HTV<br>VO1HP                    | <b>233</b><br>AB4I<br>IZ4BEZ*<br>K0CS<br>K1AR<br>KA7T<br>SK3PY<br>UA4HAU<br>VA2WA<br>W7AO<br>YO7LCB            |
| <b>257</b><br>EI7BA<br>IK5HHA<br>K1GUN<br>SV8BHN<br>W9YSX                                          | <b>250</b><br>HB9RG<br>NQ1K<br>OZ8BZ<br>PY2RO                                                       | <b>243</b><br>AB3CV<br>DK2JX<br>DK3DG<br>JF8QNF<br>NN4X<br>ON4ATW<br>S57A<br>W9RPM<br>W9XY<br>WX4G            | <b>237</b><br>AA1QD<br>DL7MAE<br>IK0MHR<br>K1DG<br>K1VW*<br>NI0G<br>OM4EX<br>SV1RK<br>W4YO*      | <b>232</b><br>JA8EAT<br>K2AZ<br>K2UU<br>K4XL<br>NI6T<br>UA3AP<br>UR5EDX<br>W3LL                                |
| <b>256</b><br>9A5CY<br>JA5BZL<br>JH1GZE<br>K1QX<br>K5VRX<br>K8FL<br>N5KD<br>N8TR<br>PA7MM<br>W1TSP | <b>249</b><br>AI9L<br>I1EIS<br>JG3QZN<br>JQ3DUE<br>K9NW<br>SP5DRH                                   | <b>242</b><br>KG7H<br>R5AJ                                                                                    |                                                                                                  | <b>231</b><br>4X4NJ<br>EA6VQ<br>HA9RE<br>IK0YUT<br>JH1HGC<br>K5EK<br>N7NG<br>OK1CF<br>ON4ACG<br>S51DI<br>W9IXX |
| <b>255</b><br>G3ZSS<br>K4QL<br>KY7M<br>N2MF<br>UX0FF<br>W3DF<br>W5OZI                              | <b>248</b><br>K3WW<br>K5RX<br>N2NL<br>R5DT<br>SM3VAC<br>T77C<br>UT9FJ<br>W9NGA                      | <b>241</b><br>EA4KD<br>JA1SYY<br>JA3EMU<br>K2FF<br>K5ZK<br>N4XM<br>N5TY<br>N7RT<br>OE2LCM<br>OK1DWJ<br>SP5GRM | <b>236</b><br>G8VR<br>JA5MHD<br>K1JO<br>K9NR<br>K9ZO<br>KC7V<br>OK2ZI<br>OZ4O<br>SP8AJK<br>YO9HP | <b>230</b><br>FK8CP<br>IZ8FFA<br>JA0FSB                                                                        |
| <b>254</b><br>N0AT<br>OM3DX<br>WA4FFW                                                              | <b>247</b><br>K6XT<br>NO2R                                                                          |                                                                                                               | <b>235</b><br>CX6VM                                                                              |                                                                                                                |

|                                                                                                                      |                                                                                                    |                                                                                                                                    |                                                                                                                                |                                                                                                                                            |
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| JA1CMD<br>N8JV<br>SM3NXS<br>W4GF<br>W4VQ                                                                             | RA3QK<br>RV1CC<br>RW3XZ<br>SP3CGK<br>US0SY<br>VA5DX<br>W7KW                                        | JR4OZR<br>K8ZTT<br>KA1R<br>N1LN<br>N5JR<br>VE3EXY                                                                                  | <b>214</b><br>HL3IUA<br>JA2JW<br>JA2WYN<br>JJ3PRT<br>K1AM*<br>K3JGJ<br>K4NA<br>OK1DX<br>ON6YH<br>RN7G<br>W4NL<br>W6YI<br>YU3AA | JA2IVK<br>JH0INP<br>JJ2LPV<br>K0MN*<br>LA4GHA<br>UW7LL<br>W7JW<br>WS9V                                                                     |
| <b>229</b><br>CT1FJK<br>DJ4AX<br>JA8FKO<br>JI1BEX<br>RO7T                                                            | <b>224</b><br>DL5WW<br>IZ1LBG<br>JA9CHI<br>N8BM<br>ON4GG<br>SP5INQ<br>SP8NR<br>VK6VZ<br>W2RQ       | <b>219</b><br>IK3VUU<br>JA2FJP<br>K6TA*<br>N0AV<br>OE8RT<br>RA3WDK<br>SP4K<br>WA2UUK                                               | <b>213</b><br>DF2IS<br>DL7BA<br>EI3IO<br>HA1RW<br>JF6DSZ<br>K1ST<br>NA2M<br>RU4SO<br>W0LYI<br>W1FJ<br>W2WG<br>W3YY             | <b>209</b><br>AD5A<br>DL5CF<br>DL9MRF<br>EU1KY<br>F6DAY<br>HB9DDZ<br>JA0UUA<br>N9LB<br>VE1DX<br>W0AIH*<br>W0ZR<br>W1ECT<br>W6PBI*<br>W7KNT |
| <b>228</b><br>AF9H<br>AI0O<br>EA1N<br>K4HB<br>NT0V*<br>OH2BEN                                                        | <b>223</b><br>AB0X<br>HA7TM<br>I3BUI<br>RT6T<br>SV2JAO<br>SV8CKM<br>VE6WZ<br>ZS4TX                 | <b>218</b><br>DJ4PI<br>DK0PM<br>IK1YDB<br>JA2FBY<br>JA8CDT<br>JF3KON<br>K0EU<br>K5UO<br>UT4MF<br>UT7UV<br>VE3LYC<br>W5PJR<br>WA7NB | <b>212</b><br>AA9A<br>DK2NG<br>DL9GFB<br>K4MQG<br>K8ZH<br>KE9I<br>KG6I<br>N1ZZ<br>N4MM<br>SM5CZQ<br>VO1NA<br>WB9CIF            | <b>208</b><br>JA7MSQ<br>K2FU<br>N5ORT<br>RU3ZX<br>SM5JE*<br>W6PJ<br>W9EWZ                                                                  |
| <b>227</b><br>DL7HU<br>E72A<br>ES1RA<br>IK0HBN<br>IK6FWJ<br>JA1UQP<br>K1FK<br>K3NW<br>KD0Q<br>N2WK<br>NV9L<br>WB6RSE | <b>222</b><br>DF6PB<br>IV3JVJ<br>JH2TPI<br>K3SV<br>K6EID<br>N5AW<br>N8PR<br>N9BX<br>SM0CCM<br>W9BF | <b>217</b><br>JG1ULJ<br>K5PC<br>MM0EAX<br>UA3AGW                                                                                   | <b>211</b><br>IK4DRR<br>JA4DEN<br>K3WA<br>LB8DC<br>N4PQX<br>NX0I<br>RA1QD<br>RU3SD<br>UR5FEO<br>WA5VGI                         | <b>207</b><br>G3NSM<br>I4LCK<br>K1LPS<br>K3JT<br>K8EUR<br>PY2BW<br>UN5J<br>W0LS                                                            |
| <b>226</b><br>DJ5FI<br>JA6BZI<br>JF2KOZ<br>JR6EZE<br>K9FD<br>N6AR<br>N6JV<br>UT5JAJ<br>VE3DZ<br>W1TC                 | <b>221</b><br>DJ8NK<br>K4MWB<br>K8FH<br>K8SIX<br>N6VR<br>SP7GAQ<br>W0VTT<br>W1ZK<br>W6JRY<br>WS6X  | <b>216</b><br>JA6LCJ<br>K5EJ<br>N5UL<br>OE1ZL<br>RZ0AF<br>W0GJ<br>W6XA<br>YV1DIG                                                   | <b>210</b><br>I8SAT                                                                                                            | <b>206</b><br>DM5EE<br>IK0IOL<br>JA3PIS<br>K2VV<br>K5AQ<br>K5RT<br>KC6AWX*<br>KG9N<br>N8DJX<br>N9AU<br>SM6BZV<br>US0KW                     |
| <b>225</b><br>A45XR<br>EA6ET<br>IW1ARB<br>JH7PFD<br>K1MM<br>K5AB<br>K9FD/KH6<br>N4CH<br>OE5NNN                       | <b>220</b><br>AG8B<br>HB9LCW<br>HL5IVL                                                             | <b>215</b><br>JA2NDQ<br>JA9PPC<br>JH1IFS<br>LA7JO<br>N7JW<br>W0UO<br>W2LK                                                          |                                                                                                                                |                                                                                                                                            |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| VE3BW      | F4BKV      | RZ6FA      | W9MU       | WE9R       |
| <b>205</b> | JA9NFO     | UA0SC      | <b>192</b> | <b>188</b> |
| JA3AAW     | JI2KXK     | UT5EL      | AD8P*      | 9A2NA      |
| K1DT       | K3HP       | <b>196</b> | DK1FW      | JA1KQX     |
| W8UN       | LA7GIA     | 4Z4DX      | JA7JWF     | KB0EO      |
| WB8ZRL     | UY1HY      | AA4HP      | K3FN       | KB1EFS     |
| <b>204</b> | <b>200</b> | AG4W       | K4FJ       | SM7GIB     |
| DJ5AV      | JA1GTF     | DK2LO      | K5XX       | UA0CA      |
| I4KDJ      | JA5AQC     | F6EXV      | K9EU       | W6SR       |
| IK7NXM     | JA9FPI     | IK4PLW     | N4DB       | W8JV       |
| KK4SI      | JH2RMU     | JA4PXC     | N5LZ       | WA6YEE     |
| LX2A       | K1GE       | K8PO       | W3UA       | <b>187</b> |
| N4NX       | K5MC       | KA9FOX     | W4UM       | AJ1H       |
| N7FU       | LA7HJA     | KP2A       | W8LGJ      | DF2GH      |
| PY2XB      | N4QS       | ND0N       | <b>191</b> | K0SR       |
| US6EX      | N5ZM       | RA9CMO     | G0OIL      | KN5O       |
| W2HUV      | RW4NN      | RZ4FO      | JA0EOK     | N2NS       |
| WD8PKF     | RW7M       | SM2OAN     | K8FC       | OK1CZ      |
| WF4U       | UY0ZG      | W0FS       | K9LA       | RM0F       |
| WI8A       | W0DD       | W2FCR      | KB8VAO     | SM0NJO     |
| <b>203</b> | W0MHK      | <b>195</b> | RK2FWA     | W7AWA      |
| HB9CXZ     | W3GG       | G3ZEM      | RX3APM     | <b>186</b> |
| IZ8VYU     | <b>199</b> | JA1EOD     | WA2VYA     | 9A8A       |
| JA2XYO     | JA2DPC     | JN7FAH     | WN6W       | AB4IQ      |
| JF4VZT     | JE1PNX     | K7SO       | <b>190</b> | IK2QPR     |
| K4XO       | JO7WXN     | K9RT       | EA3JL      | IZ8FWN     |
| K8AC       | K1GG       | KF8UN      | IZ8XQC     | K0BJ       |
| K9MMS      | K3LR       | N1SV       | JA1ANR     | K7LAY      |
| KK2I       | K6G XO     | W5ZG       | JA1DUH     | N8LJ       |
| PA0A       | N4DW       | W9OP       | JA1MCU     | NE1B       |
| R6AF       | OZ1AXG     | <b>194</b> | K2TE       | <b>185</b> |
| W8GC       | RA3S       | K4KDX      | K8NVR      | AB6QM      |
| <b>202</b> | W1TO       | K9JF       | K9KU       | EA6BF      |
| DL1MGB     | <b>198</b> | KB9LIE     | KF7PG      | G3KWK      |
| DL2KQ      | DL1ROJ     | KC9ARR     | KM1D       | IK3SWB     |
| DL9DRA     | G3UJE      | W1NT       | LA7AFA     | JA8DNV     |
| EA1RT      | G4BUE      | W2LO       | N5GH       | K0JGH      |
| JA3CSZ     | IT9JNR     | W9OO       | SP2LNW     | K5ZD       |
| JH3VNC     | JA2JNA     | WD8JJA     | VE7VV      | K9US       |
| K2NV       | UA0SR      | <b>193</b> | XE2X       | N4TJ       |
| K4JJW      | W2IRT      | DL5ZB      | <b>189</b> | N5UR       |
| LY1G       | W8HB       | DL6ZXG     | 9A2F       | OE2BZL     |
| N7KA       | <b>197</b> | EA3WD      | CT1IUA     | SV1DPI     |
| OK1DOT     | G3SNN      | HA5BSW     | EA5RM      | UA9CBO     |
| R9TO       | HB9DDO     | K4ODL      | EA8PP      | W0EWM*     |
| UA9FAR     | I5KKW      | K9YY       | FM5CD      | WA3C       |
| W7DO       | JH2UVL     | KV7K       | IK0FVC     | <b>184</b> |
| WA2HZO     | K3KO*      | N9EN       | JA1XEC     | CU2DX      |
| ZL3IX      | LA5YJ      | NK1K       | JA3RAR     | JF1NZW     |
| <b>201</b> | OE4PWW     | PA0LOU     | JH1QAX     | JF1PUW     |
| AA5AM      | OE5FIN     | RN1ON      | SP7HOV     | JH1RFR     |
| DL1EJA     | ON4CD      | W0RI*      | UA7T       | K4HGX      |
|            |            | W4FC       | W5DM*      |            |

|                                                                                                                            |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                     |                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| K5KLA<br>K6SRZ<br>KB4ET<br>KL0S<br>S57AC<br>US8UA                                                                          | SM4DDE<br>SV3FUP<br>W1RM<br>W2YJ<br>W7BEM<br>YL2TW                                                                                    | SM5FUG<br>VE3FF<br>W2OR<br>W7MEM<br>WX0V                                                                                                                                                       | <b>171</b><br>4Z5CX<br>AA9D<br>DL6KR<br>G0EHO<br>JA1PPW<br>JA6HUG<br>JG3IWL<br>JR1TNE<br>K2FL*<br>K9YC<br>LA5LJA<br>N4OGW<br>N7RO<br>N9RC<br>SV1LK<br>WB7B<br>ZS1LS | N4QQ<br>N8BJQ<br>PA7F<br>SP5GH<br>TF3SG<br>W4SVO<br>W6VX<br>W8OI<br>WA5YNB                                                       |
| <b>183</b><br>AA1ON<br>CT1FMX<br>CT3MD<br>IT9INO<br>K8VC<br>KE9ET<br>LA3WAA<br>NN2L<br>ON6SAS<br>W2FP<br>W8NW              | <b>178</b><br>EA3CJ<br>JA0VSH<br>JA2BDR<br>JA4MRL<br>JE2URF<br>K2UR<br>K8RRT<br>NE0U<br>SM7DLK<br>SV1JG<br>W6NWS                      | <b>174</b><br>JA0GJJ<br>JA2XW<br>JA7MOL<br>JF7DZA<br>JK1OPL<br>JR6PGB<br>K0TT<br>K2KA<br>K2PLF*<br>K3AJ<br>K4TR<br>K4WS<br>N7IR<br>OE1WHC<br>OK1DWC<br>RN7F<br>UA3LNM<br>W8UV<br>W8VVG<br>WT8C | <b>167</b><br>DK5AD<br>K4XD<br>K6KO<br>K8NK<br>N0IJ<br>N3BNA<br>PA3C<br>RA1AOB<br>RN9N<br>S51EC<br>SP3FAR<br>UN9L<br>VE6WQ<br>W1YW<br>W3IP<br>WA0MHJ<br>WA4LOX      |                                                                                                                                  |
| <b>182</b><br>DJ9ON<br>DK3UA<br>JA1SHE<br>OH2IS<br>UR3EO<br>UT5UT*<br>W1YM                                                 | <b>177</b><br>9H1SP<br>AE5E<br>CT1EAV<br>EA8JF<br>HA5WA<br>JA2LCP<br>JE1BMJ<br>K3WC<br>K7GM<br>K9NU<br>N4XU<br>SM6DHU<br>W5LT<br>W7FI | <b>173</b><br>5B4ALJ<br>I1JQJ<br>JA3ENN<br>JA9TWN<br>JL1SAM<br>K1NTR<br>K5GKC<br>KA1J<br>N3OC<br>N5FG<br>PY5EW<br>SP1MGM<br>W8HC                                                               | <b>170</b><br>DJ6TK<br>JA6JPS<br>JM1GYQ<br>JR7BDQ<br>K6ZZ<br>N0RN<br>N4PY<br>SP3GTS<br>SV3KH<br>W8KEN<br>W9AJ<br>W9EVI<br>WA3AFS                                    |                                                                                                                                  |
| <b>181</b><br>DK3WW<br>VE3OSZ<br>YO2DFA                                                                                    |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                     | <b>166</b><br>4Z1UF<br>DJ4SO<br>IV3TDM<br>JA1FNA<br>JA9LJS<br>K3KY<br>K4JLD<br>K4PB<br>K4ZYU<br>RM3DA<br>W1RR<br>W8ILC<br>WA8TXT |
| <b>180</b><br>DM2DXA<br>DM3VL<br>K2EP<br>K3PA<br>K6SSS<br>K7BG<br>LA9AJA<br>N1RR<br>N4AH<br>ON5FP<br>UT2UB<br>W3YQ<br>W8TN | <b>176</b><br>EU1AB<br>I6FLD<br>JA0DET<br>JA2ZL<br>JA5IU<br>JA6BJV<br>JA8KSF<br>K8MN<br>N5OK<br>RL3FA<br>W4BP<br>W4GD<br>YO7NE        | <b>172</b><br>G0BLB<br>G3NKC<br>HK3W<br>IZ5MOQ<br>JA3FGJ<br>K0DEQ<br>K1BD<br>K4XR<br>K6FG<br>KJ0M<br>W4FQT                                                                                     | <b>169</b><br>HA9PP<br>IK0PEA<br>JR1IZM<br>K1LI<br>K1NU<br>N4XX<br>N7US<br>RA3DNC<br>UT8MM<br>UY5AA<br>WB3JFS                                                       |                                                                                                                                  |
| <b>179</b><br>IT9ELD<br>IW0SAF<br>K0BBC<br>K4CN<br>K8WK<br>OK1MG<br>S57UN                                                  | <b>175</b><br>JA1CHN<br>JS3CTQ<br>K4DLI<br>LA0FA<br>N7XR                                                                              |                                                                                                                                                                                                | <b>168</b><br>4Z5MU<br>G3MXJ<br>IK2EGL<br>IK4ADE<br>JA1ADT<br>JE7JDL<br>K5QY<br>K8RYU<br>KR4F                                                                       | <b>165</b><br>CT1FPQ<br>DL7UCX<br>JA6VQA<br>JE7RJS<br>JN4MMO<br>K5JZ<br>K9MBQ<br>KI5BLU<br>KK4CB<br>PE1L<br>SM4CTT<br>W0DJC      |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| W5BN       | LB6KC      | W1OX       | G4GIR      | N1EN       |
| WC5N       | N4GN       | W2XL       | GM3PPE     | N5JB       |
| <b>164</b> | OH6RA      | W3GQ       | HB9TKS     | OK1ATP     |
| GU4YOX     | RW3RN      | W4QN       | JA8NFV     | RD3A       |
| HA7UW      | VK3HJ      | <b>157</b> | K0KVR      | RU3A       |
| HB9BZA     | W8WEJ      | AA4H       | W1NA       | S54A       |
| JA1RTX     | YU2TW      | EI6FR      | W2XI       | SP7AWG     |
| JA7ZP      | ZS5LB*     | G3TQZ      | W5DNT      | SV9AHZ     |
| K1NJ       | <b>160</b> | IZ4DPV     | WA9PIE     | W7RH       |
| N5WA       | 9A2JK      | JA1GHH     | YS1RR      | WA1Z       |
| N9FN       | AD5Q       | JA9APS     | <b>153</b> | <b>150</b> |
| NY0V       | DL1DA      | JH7IAJ     | AJ9C       | DL4SZB     |
| OH2BLD     | EC3A       | K9GA       | DL3ZA      | IT9DSZ     |
| RA3ZH      | HB9DHK     | LY5A       | EA5BY      | IV3RAV     |
| W4NS       | HB9FMN     | N5MOA      | G3TJW      | JA2NQG     |
| W7YAQ      | IW2FND     | NE9Z       | HL2CFY     | JH1NYM     |
| <b>163</b> | JA2EPW     | RN3OG      | JF1IRW     | K0RS       |
| DJ9HX      | JE2OVG     | RU4UR      | K4RG       | K7LV       |
| JA9NLE     | JF2XGF     | SM3PHM     | K8VFF      | K8AJS      |
| JH2SON     | JR7MAZ     | SV8ZS      | N3RC       | KU4XO      |
| K8TL       | K3MSB      | W2TA       | N4TV       | N3QE       |
| UR4CWQ     | NR4M       | W5GZ       | N5TW       | N9CO       |
| VE3CFK     | RU6L       | W7TVF*     | N8II       | N9MB       |
| W6RW       | SP6EQZ     | YV2IF      | R9OK       | OE8SPW     |
| W7AL       | SV2AEL     | <b>156</b> | SM6CLU     | OZ3SK      |
| WP4U       | UA0FZ      | DL4MM      | SP5CCC     | UA6YW      |
| <b>162</b> | UX5UO      | F6HDH      | UT5UY      | W6DAO      |
| 4O3A       | W1BR       | IK0AGU     | WB8BPU     | W7CT       |
| 9A4W       | W5XC       | IK0FUX     | WE1P       | WA2BCK     |
| CT1GFK     | WX0B       | IZ8IEV     | WJ4T*      | <b>149</b> |
| F3AT       | <b>159</b> | JH1TWT     | WS7L       | DL7CX      |
| I2ZGC      | JA4FKX     | JH2QMT     | <b>152</b> | IK4FNF     |
| JA6GIJ     | JE2LPC     | JO7HAM     | EW2A       | JE3GRQ     |
| JF1WPB     | JG0CQK     | K8YSE      | JE3ENP     | JL1ARF     |
| JF2UPM     | JH6QFJ     | KS1J       | JR9OPJ     | K3RA       |
| K1KI       | JH7CFX     | UA3SAQ     | JT1CO      | K3TN       |
| N8MR       | K4RO       | VA3LX      | K7SP       | K4YYL      |
| W0HT       | W6BJH      | W1YIF      | KS3F       | K8ME       |
| W0TT       | W7SX       | W4TV       | N9OY       | NX8Y       |
| W1LW       | W9RN       | <b>155</b> | S55ZZ      | SM6CUK     |
| W3JX       | WD5BJT     | AB9V       | UA6IGI     | SV1CNS     |
| W4DKS      | <b>158</b> | DL1RK      | UT5AB      | UW7UA      |
| WW3S       | DJ4PT      | K2LS       | VE6LB      | W0GG       |
| <b>161</b> | DL1FKA     | K4WA       | W1SKU      | W7HPW      |
| DK2GZ      | JE2LUN     | N4HB       | W1VT       | WB8B       |
| DL6RAI     | J11FXS     | NE0DX      | W2RS*      | WD5K       |
| JA1DOF     | J11NJC     | NW7E       | W6RLL      | WS5W       |
| JH4CPC     | JR1GJP     | RC9F       | W7AJ       | YO3DDZ     |
| K1USA      | K1KA       | SM6VR      | WB3CQM     | <b>148</b> |
| K5GO       | K5TT       | ZS6EZ      | <b>151</b> | AC6DD      |
| K7NN       | OZ1HX      | <b>154</b> | DK2OY      | DK2CC      |
| K8ND       | RU6M       | 3V8SF      | F3SG       | EA7TV      |
| LB2TB      | SM4EMO     | DK1WB      | JA6BEE     | F5CQ       |
|            | W0SZ       |            | K2FW       | F5LVL      |

HB9BUN  
IZ3ENH  
JA2VQF  
KR2Q  
N2WB  
NE3F  
W5FIX\*  
W5FKX  
W9JJB

**147**  
AA7G  
EA3GP  
HB0CC  
IV3VBM  
JA1XQC  
JH4ALY  
K2AX  
K8UT  
KM1H  
N1IBM  
UN7LZ  
W2KKZ  
WW2DX

**146**  
F5PAC  
G4FTC  
JA1HQG  
JA4DHN  
JH1GNU  
JH1QDB  
K5KV  
K5SM  
K6NR  
K7WP  
RU0SN  
W1IZL  
W1ZT

**145**  
AF4HX  
EI9JF  
JJ3HGJ  
JN1BMX  
K1OA  
K3VAT  
K4OY  
K7HP  
K8BL  
KF6HI  
N1CGP  
N4GG  
RT0F  
SM3DTR  
W1OP

**144**  
AA6AA  
DL5KUA  
DL6MRS  
E70T  
EI6IZ  
GM3ITN  
HB9BYQ  
HI3T  
I5MXX  
IZ4GWE  
JA3GN  
JR3OEH  
K0VSH  
K5TR  
N1IX  
N3KK  
N7BT  
SM4OLL  
SM5CLE  
W2/CT1GIF  
W4GE  
WC5M  
WD5T  
YO3CD

**143**  
DL1DUO  
DL6EN  
HB9HFN  
HS0ZEE  
JA1SVP  
K0QC  
K7CMZ  
K7CW  
K8ROX  
K9MK  
KJ9C  
LA6OP  
LZ2ZG  
N2RJ  
N2WM  
N5UW  
N6PAT  
R8TX  
VE3CV\*  
W0IZ  
W6QUV  
W8RLS  
WB8ZRV  
WD9DZV

**142**  
HB9SLO  
I5HOR  
IT9BLB  
IT9GSF

JE1FQV  
JE2DZC  
JR7WFC  
K3PP  
K4WZ  
KQ4AV  
LA9VFA  
MM0SAJ  
N5XZ  
N7QT  
NA4D  
NQ7R  
NY2NY  
OK1DO  
W2OO  
W5VQ  
W7ZI  
WA5POK  
WB8CQV  
WP4G

**141**  
DL5MHQ  
EW1BA  
I0JBL  
JA1PTJ  
JA2ATE  
K2RW  
K5VWW  
NJ3K  
SV3FUO  
W1AX\*  
W3BW  
W4VIC  
ZS1C

**140**  
9A1CAL  
DF2RG  
K5WK  
K6KLY  
N4XP  
N7WS  
OH6NIO  
OK2ZV  
ON7DR  
UN1L  
VE6SV  
W0SEI  
W4NU  
W5LUA  
W7IV  
W8LWU  
YL2MU  
YO9FNP

**139**  
CU2AP  
DF7EE  
DJ4XA  
DL5CW  
DL5EBE  
DL8OH  
JA1TMG  
JA9RRH  
K1CA  
K3ANS  
K6AM  
K8RF  
KD0PO  
KU0A  
LA8WG  
OK1MP  
OK2QA  
SM5CBM  
SV8ZC  
W0SD  
W5ADD  
W8HW  
W9XQ\*  
WA8WV

**138**  
DK8MCT  
DK8YY  
EI9FBB  
EU4A  
F6DDR  
IK8EPC  
JF3LOP  
JK1AJX  
K1RO  
K2RET  
KK1W  
N3UA  
N8OC  
OE6VIE  
OZ8X  
PC3T  
RW4CY  
W1GD  
W2YE  
W4YV  
W7OM

**137**  
CU3EQ  
GM3YOR  
IZ2FOS  
JA3APU  
JA3OOK  
JA5XAE  
JE6TSP

JR1XIS  
K2QMF  
K8NS  
N2PK  
ON6AA  
RA3CO  
RG7G  
UU1JA  
W1ITU  
W2CG  
W5ODD  
WB5JID

**136**  
DS1JFY  
E72U  
ER0FEO  
IK8CNT  
JA4OK  
K0TV  
KR6C  
N2ZN  
OK1DW  
SM5OJH  
SP2BMX  
UT3UZ  
UW8SM  
W2OIB  
WB7QXU

**135**  
5B4MF  
DJ9ZB  
F6FXU  
HB9IQB  
IV3DXW  
JA7LMZ  
JA8BNP  
JA8JL  
K1ZE  
K7FL  
N6PSE  
NZ9R  
R7LP  
RN3RQ  
SM3LGO  
SM5CZK  
SP3XR  
W1DIG  
W2GD  
W4BUW  
W4MBD  
W4RFZ  
W6JTI  
W8GNM  
WB0TEV  
WO2T

|                                                                                                                                                                                             |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>134</b><br>CT3HF<br>IK4DCS<br>K1TO<br>K3OX<br>K7XB<br>KA8SYV<br>KX4TT<br>N9RS<br>OE1TKW<br>PY5HOT<br>RG6G<br>UA0ACG<br>W4JKC<br>YU1AM                                                    | W4WM<br>W5SL<br>W7AH<br>W7CD<br>W9FR<br>WB3D<br>XE2S                                                                                                                                                                                 | W2MPK<br>W5AJ<br>W6DR<br>W9ZT                                                                                                                                                                                                                                | JA8RJE<br>JS2LHI<br>K0RW<br>K3TRM<br>K7TM<br>KM4H<br>KM4NS<br>N1AC<br>N1GC<br>OE8HIK<br>OH1JP<br>SK7AX<br>SM0BYD<br>SP7ASZ<br>V51B<br>W0CP<br>W0RT<br>W0YVA<br>W3BG<br>W3MF                                                                                                                                                | <b>125</b><br>9A1AD<br>EA1AF<br>GW3TMP<br>HK4SAN<br>IK5DNF<br>IU0HDC<br>JA4IYL<br>JA6VU<br>JE1TSD<br>JE6UWU<br>JH3CUL<br>JH4ADK<br>JL1RUC<br>K1HAP<br>K5KG<br>K8DV<br>KA6BIM<br>KI4WCQ<br>LZ1XL<br>N2KA<br>N3EN<br>N4JT<br>NA5C<br>ND5S<br>NW6S<br>OE1AZS<br>RA0BA<br>UN7JID<br>UU7JM<br>VE3UTT<br>W5DAW<br>W9CG<br>YO2RR |
| <b>133</b><br>9K2NO<br>EU1U<br>IZ8DFO<br>JA7GLB<br>JA9AGN<br>JH1HHC<br>K1ZN<br>K2CDJ<br>K8GI<br>KJ6P<br>KS4YT<br>KU2A<br>N9MR<br>OE1KM<br>RA5BM<br>RV4LC<br>UQ2PZ<br>VE3WT<br>W0NFL<br>W2QO | <b>131</b><br>DK7YY<br>G3UHU<br>HS1NGR<br>IV3KFB<br>IZ0RVI<br>JA2TBS<br>JA7LGE<br>JI1DCW<br>JJ1TEA<br>JM1FHL<br>JR6FC<br>K5VIP<br>KH2L<br>N4QWZ<br>N5PHT<br>N6RK<br>NA5DX<br>NN4R<br>ON4ON<br>R0SR<br>R9MJ<br>R9SA<br>W7JY*<br>W8DCH | <b>129</b><br>EA1YO<br>JA1NWD<br>JA8JO<br>JH0BQX<br>K3NK<br>K4TT<br>K6XM<br>K9ZM<br>KM3V<br>N0YY<br>N3KS<br>N3RR<br>PY5EG<br>SM3BCS*<br>W7QHE<br>WE4S                                                                                                        | <b>126</b><br>DJ8WD<br>F8BPN<br>G4IUF<br>HB9FMT<br>IK8GYS<br>IZ7EVZ<br>JA7KY<br>JH4HMG<br>JJ1DWT<br>JL1UXH<br>K2ZD<br>K4JKB<br>K4XU<br>KC2LSD<br>KF8DX<br>LB7ZG<br>N8NA<br>OK3CQD<br>OZ1IKY<br>PA5TT<br>S51NM<br>SP6A<br>SQ5EBM<br>VE3CX<br>VE7BV<br>W8MK<br>W8REW<br>W9ILY<br>WB0O<br>WB2REM<br>WD4LBR<br>XE1KK<br>YU1EXY | <b>124</b><br>AA7XT<br>IK3VBB<br>JF2WXS<br>JH4JNG<br>JI1DHY<br>JR2LJO<br>K1UU<br>K4ZO<br>K6EME<br>KD4POJ<br>NA2U<br>PA0TCA<br>PA3EWP<br>UA0BA<br>VE1DUN<br>W2JU<br>W2RIJ<br>W3FM<br>W6CYX                                                                                                                                 |
| <b>132</b><br>AA4NC<br>AB9M<br>AD6W<br>IT9RDG<br>JA2KVD<br>JA3DY*<br>JA6CBG<br>K6YUI<br>N6HY<br>ON4CAS<br>OZ2RH<br>SM4BZH<br>SM6BGG<br>SV5DKL<br>VE3CRG<br>W1EQ<br>W4AXL<br>W4RBO           | <b>130</b><br>DF9ZW<br>E73M<br>EI2JD<br>G7VJR<br>HK0HEU<br>JA2FBC<br>K2MYR<br>K7LFY<br>K8BCK<br>K9GL<br>N3MK<br>NA4EA<br>NO9E<br>OZ2ABI<br>R3VA<br>R5QA<br>R9AB<br>RU1AO<br>SP6M<br>TA1CM<br>UN7JX<br>VE3DO                          | <b>128</b><br>AA4SC<br>DM2RM<br>IT9ZZO<br>JA2AHH<br>JA2KSP<br>JA9AA<br>JE1LFX<br>JI4POR<br>K0FF<br>K3XA<br>K4JAF<br>K4SE<br>K6LPO<br>KG7CW<br>LB5WB<br>N5KM<br>R9SG<br>S53X<br>S55DX<br>SM3GQP<br>SV3DCX<br>VQ9LA<br>W2WC<br>W4IS<br>W6RKC<br>W8MET<br>ZS6UT |                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                             |                                                                                                                                                                                                                                      | <b>127</b><br>HB9AZZ<br>HK1MW<br>JA1DDH<br>JA1WLO                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                           |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| <b>123</b> | DK1EI      | W7RN       | LZ2HM      | <b>116</b> |
| AB1OC      | DK6CQ      | WA3I       | N2MM       | AJ4F       |
| AC4TO      | F4GTB      | ZL4AS      | PY2PA      | DL7URH     |
| DL7JRD     | HA1RB      | ZS1A       | RN3TT      | EA5BRE     |
| G4WFQ      | IK2SGB     | <b>119</b> | SV9COL     | EI2GLB     |
| G5LP       | JA1SJV     | AA3AZ      | TA2RC      | HA7PF      |
| HB0WR      | JH7RXU     | AJ4A       | VK4CAG     | IK0EIE     |
| IK2CHZ     | KD8RQE     | DK3GG      | W1KSZ      | IK2OHG     |
| IK3XJP     | KG9Z       | EW4M       | W3RJW      | IT9AAI     |
| JA0CRG     | N1JP       | G4DJJ      | W4DAO      | IT9TQH     |
| JA1XCZ     | N6HC       | HB9AAQ     | W4NF       | IV3HYD     |
| JA3MHA     | OH1ZK      | HB9BCI     | W4NJ       | JA1WTI     |
| JA6WJL     | SV1AHX     | HB9CQK     | WT4Q       | JG1DUZ     |
| JR1EBE     | UQ1GWW     | I2TZK      | YO4AUL     | K1DC       |
| K2PK       | UT4EO      | I4MKN      | <b>117</b> | K1RI       |
| K3XO       | UU2JQ      | IU0LFQ     | 9Y4VU      | K9SG       |
| K4ZIN      | VA3AYA     | JA3AZD     | AE0P       | KT1V       |
| K5GH       | W2GG       | JA4XGC     | BH4IGO     | PA0JSE     |
| K7UT       | W2TB       | JH6CDI     | DL1DWT     | RV3ID      |
| K9CS       | W6XI       | K5UZ       | DL2VWR     | SP6JIU     |
| KV4T       | W9YE       | K7EG       | G3LAS*     | TZ4AM      |
| N2ED       | WA1PMA     | K8KWT      | IT9DAA     | UA4PCM     |
| N4DWK      | WY1G       | N0KV       | JA1HQT     | VA7CRZ     |
| N6MZ       | XE1VIC     | N4LR       | JA4FM      | W1ENE      |
| N9JV       | <b>120</b> | N8PW       | JA7GYP     | W1WEF      |
| N9LQ       | 9A5F       | N9UA       | JA7IC      | W7GG       |
| NA2P       | AL7TC      | NT2A       | JE2JMV     | W7OEV      |
| S50B       | FG5FR      | NY7T       | JM3GXU     | W8LRO      |
| UA3DK      | HB9BLQ     | OH5NG      | JR2UBS     | WQ5L       |
| UT3QU      | HB9DHG     | OK1DT      | K1BZ       | <b>115</b> |
| W1AO       | IZ0LKV     | R6FFB      | K2BB       | AC9EM      |
| W8NJR      | IZ5NFD     | SV1ACK     | K6PJ       | C6AGU      |
| WB8K       | JH4GJR     | SV1IW      | K7PI       | CU2CE      |
| XE1H       | JR6LLN     | W0QQ       | K8OOK      | DL9GOA     |
| <b>122</b> | K1ESE      | W4HZ       | K8QM       | G4XEE      |
| G3NDC      | K2BA       | W5QP*      | KV4AA      | G8BCG      |
| JA1MRM     | K2HK       | XE1RCS     | N2BJ       | G8DX       |
| K1YT       | K3QIA      | <b>118</b> | N3ND       | HA5UK      |
| K2MP       | K6FW       | 5T5PA      | N3NR       | HB9RYZ     |
| K7ZA       | K6SIK      | AB2E       | N4IR       | IZ7JVR     |
| KR0P       | KA8ZPE     | AE3T       | N4TL       | JH1RFM     |
| LA7WCA     | N0OK       | AG1A       | N6MB       | K0GD       |
| LA8PT      | N4BAF      | DL5OCE     | N8AA       | K0SD       |
| NA9RB      | N4TB       | DL9FCY     | N8XI       | K4CMS      |
| NN7X       | N4UFP      | JA4FHE     | NY4G       | K4GHS      |
| OE3SGU     | N9AW       | J18DGO     | SM7BIC     | K4GK       |
| OZ3Y       | OE3EVA     | JN1RQV     | SP8HKT     | K5XM       |
| RD4A       | OZ2A       | JR3UIC     | UA6J       | K8YTO      |
| UU4JMG     | PZ5RA      | K3WGR      | UB3A       | KO8SCA     |
| VE6AX      | SP7ITB     | K4CNW      | UR9IDX     | KV1J       |
| W8LMG      | UR5IKN     | K5JC       | US1CT      | LY4T       |
| <b>121</b> | US0YA      | K8LN       | W4ZRZ      | N0IRM      |
| AA6RR      | W2YR       | K8WVA      | W6SL       | N4OA       |
| CT3KN      | W3OA       | K9DR       | W8ZR       | N8KOL      |
| DF1DB      | W4PRO      | KD6UO      | WA2USA     | PA3AXU     |
|            | W6RFL      |            | WV4TN      | RZ6MJ      |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| UA1ANA     | JA5WIZ     | K0JPL      | N7BD       | SM5BHW     |
| UA1CGS     | JH1ORA     | K0TPP      | N9HF       | SV1VS      |
| UA6XT      | JH3GCN     | K1KO       | NA1DX      | UA3O       |
| UN6T       | K8SL       | K4UAS      | UR6QA      | US7MM      |
| VE3YF      | K9GWH      | K8CC       | UT1UY      | W0UY       |
| W5JMW      | KA4RRU     | KB2FCV     | VE6KC      | W3XY       |
| W9XX       | KD2T       | KI4DLS     | VE7CT      | W4DC       |
| WA7BNG     | KH6DX      | KM1C       | VE7UF      | W4NE       |
| WP3R       | KI0G       | KM3T       | W2SKI      | W5ZPA      |
| YL2CZ      | KT1J       | LA8HGA     | W3FOX      | WB2UFF     |
|            | N1QY       | N4ZY*      | W4HOG      | WB4TDH     |
| <b>114</b> | N4DJ       | N6MA       | W4OX       | WL7E       |
| AA4DD      | N4IQ       | N6PE       | W5AQ       | YU7AU      |
| BA4DW      | N7KO       | RU4SU      | W7VS       | ZL3NW      |
| BA7IO      | NA3F       | SM3DMP     | W8KA       |            |
| CT1FCX     | NI5F       | UA1ACG     | W8MIL      | <b>109</b> |
| CT3FN      | NK5B       | UA1CEI     | W9RB       | EA3GHZ     |
| CU3AK      | R7NA       | UT6UD      | WA2BOT     | EU4T       |
| DL6NB      | RA4UN      | VE7XF      | WA2MUA     | F8EZE      |
| F6CWA      | RZ3AUL     | W0RX       | WA8MCD     | G3SVD      |
| G3SDL      | SM5ARL     | W1HEO      | WB9EEE     | J68HZ      |
| HK3PJ      | SP3EPG     | W2CVW      | WX3P       | JA2CXF     |
| HP3TA      | SV1FKZ     | W3MR       | YL3DQ      | JA4BXL     |
| I5OYY      | SV1JFV     | W3UL       | YO6HOY     | K2ONP      |
| JA0AOO     | SV2AVP     | W4VHF      |            | K4RDU      |
| JA2KNW     | UN7TW      | W5VX       | <b>110</b> | K5KA       |
| JA4KDT     | VE3KI      | W6TC       | CU3AN      | K6MW       |
| JH1AGU     | W2GW       | W8GEX      | DL1VDL     | KC2STA     |
| JH6WMJ     | W6BK       | W8HMK      | EA5BYP     | KE1F       |
| K1RV       | W8FAX      | W9SE       | F5BAR      | KL7RA*     |
| K2DC       | W8FIB      | WA8OLN     | G3LNS      | N8NN       |
| K3MD       | W9VNE      | WT9U       | G8AJM      | N9ISN      |
| K3OSX      | WA4DOU     | ZP6CW      | HC1BI      | ND4V       |
| K5RJ       | WB2HJV     |            | HL3GOB     | NN4RR      |
| KB8U       | WS4C       | <b>111</b> | I2BBJ      | NU4I       |
| KZ4V       | XE1RBV     | AA4U       | IK5RUN     | NX7U       |
| N2JJ       | ZL1BYZ     | AF4OX      | JA9KRO     | PY5CC      |
| N3MN       |            | DK2WH      | JH1VHU     | RW4UU      |
| NU8Z       | <b>112</b> | DK6ED      | K1EO       | RW9QA      |
| UA3FT      | A92IO      | EV1R       | K3JRR      | RX3AGD     |
| W0VX       | DJ1RL      | G3PLP      | K3PH       | TG9NX      |
| W4TUN      | DK5RL      | G4DBN      | K4WW       | UB5ZAL     |
| WA1FCN     | DL5CL      | IU8FRE     | K5WAF      | UT7KF      |
| WA9YYY     | EA1JO      | JA1AUD     | K6VKO      | VU2CPL     |
| XE3ARV     | EI8IU      | JA1FGB     | KB4MRX     | W0VHF      |
|            | EW1DO      | JA1NCZ     | LZ1PM      | W1OPD      |
| <b>113</b> | G3XGC      | JA5FDJ     | N2CG       | W5WP       |
| 9A1A       | HB9CRV     | JE2EHP     | N3HBX      | WB5TUF     |
| BA4RF      | HB9G       | JE8TGI     | N3IQ       | WN0L       |
| DJ5DT      | IK7YZG     | K3FRK      | N3JB       | XE1FAS     |
| DJ9RR      | IZ4DIW     | K5CD       | N4KE       | YV3AGT     |
| DL8CM      | JA1SXR     | K7ORK      | N5BO       |            |
| DL8DYL     | JA2HYD     | K9AJ       | NC6K       | <b>108</b> |
| EA5KA      | JA7BXS     | KM1R       | NG0G       | A12Q       |
| G4AFJ      | JG3LGD     | KZ0X       | NY4I       | AL7R       |
| JA0GCI     | JR7TEQ     | LA0CX      | OZ1LCG     | DF1KG      |
| JA4ITW     | K0CA       | N4WJ       | RD9M       | DG7RO      |

|            |            |            |            |          |
|------------|------------|------------|------------|----------|
| DL6CNG     | G4RGK      | JH2KKW     | JA1OVD     | HK3O     |
| ER1LW      | I5IHE      | JJ0NCC     | JA1TAA     | IK0DWN   |
| G3VAO      | IT9XTP     | JR0EQQ     | JA6VA      | IW0HEX   |
| HB9BAT     | JA5EY      | K0DEW      | JA7BME     | JA1SDV   |
| HB9CEX     | JA8JTH     | K1PX       | JA8RRF     | JA2FGL   |
| HB9FAN     | JF2WGN     | K2CJ       | JF1RYU     | JF1EGO   |
| IK0PRG     | JH9DRL     | K4DSE      | K1DJ       | JF6WTY   |
| IZ0BTV     | K2MK       | K5AM       | K2XF       | JK1BSM   |
| JA2MOG     | K3SW       | K5ZQ       | K5AV       | JO1WXO   |
| JA3NHL     | K3YBN      | K8JJC      | K7OX       | K0MD     |
| JE2UFF     | K5FZ       | KQ3F       | K7PO       | K0WK     |
| J14WAO     | K5KPE      | N0JZ       | K9RO       | K1BG     |
| JK1MZT     | KE2R       | N2CW       | KI5T       | K1EP     |
| JR7FRW     | N2RR       | N3XM       | KT2E       | K2BLA    |
| K1XM       | N3DAP      | N7NR       | LZ1JZ      | K2HAT    |
| K2KQ       | N4RF       | N8AID      | N2WLG      | K3FM     |
| K3NF       | N6EE       | NA5Z       | N4JI       | K4KEW    |
| K4WY       | N8AGU      | NI5M       | N4NW       | K4MF     |
| K6UT       | NA5Q       | NS3L       | N4SC       | K4VIG    |
| K8OM       | OE1CP      | NU4Y       | N4VN       | K4YJ     |
| KN4JX      | OK2BUZ     | OE5CSP     | N6NU       | K5HK     |
| LU2DKT     | OK3CQR     | OK1AYU     | ON7PQ      | K6UM     |
| N1BZ       | R0FA       | OK2BVG     | OZ4AAL     | K7TJR    |
| N4MEC      | RN4AA      | S57AL      | PF7M       | K9EA     |
| N6RFM      | RV6ARZ     | UR3CRO     | PJ2/K8ND   | KA2BZS   |
| N9TF       | SP3BQD     | UT7UU      | PY2DS      | KH6KG/W5 |
| PA0ZH      | SP6AXW     | UU5WW      | R6YY       | KI0KB    |
| R5FY       | US5CB      | V73AZ      | RA6AF      | KK9H     |
| R7LA       | VE3OI      | VQ9SS      | RD4WM      | KW0A     |
| RX6DX      | W3KB       | W1CWU      | UA6LCN     | KZ1W     |
| S57J       | W4UCK      | W2EQ       | UR1RWX     | N2SQW    |
| SM6AOU     | W6KK       | W2LE       | UR2RGN     | N3ER     |
| UX7UN      | W6TDX      | W2NO       | VE1PZ      | N3TR     |
| UZ6LWZ     | W8VK       | W3ICM      | VY2ZM      | N4TTE    |
| W2UB       | W9CPV      | W4IR       | W1LY       | N8MZ     |
| W3NRJ      | WB8ART     | W5JAY      | W4OWY      | NJ9C     |
| W4ZYT      | WC2K       | W8IW       | W5KI       | NN3Q     |
| W5VY       | WS1L       | W8OP       | W6FF       | OH2OT    |
| W7ACD      | XE2YWH     | WA4MYO     | WQ5W       | RA1QX    |
| W9NIO*     | YL1XZ      | WA6TLA     | YU1NR      | RU3UR    |
| WA2ALY     |            | YL2GN      |            | RZ6DX    |
| WA8MOA     | <b>106</b> | YU3EF      | <b>104</b> | RZ6LB    |
| WC1M       | AA4FL      |            | 9M2AX      | SM5CCE   |
| WD9EQU     | AA5JF      | <b>105</b> | AD1C       | SM7CQY   |
| WW1WW      | AE2U       | DF2PI      | AH0U       | SO5AS    |
|            | DJ6OZ      | DF8AA      | CP8HD      | UA9FGJ   |
| <b>107</b> | DL1QQ      | DJ3XD      | CX3CE      | US5CAO   |
| 4Z5LA      | DL2NOM     | DJ6KH      | DK3BK      | UT4EK    |
| DJ8ES      | DL3JSW     | DL4ZAB     | DL4FAP     | UT7EC    |
| DK3FB      | EA3CCN     | DL6JZ      | DL7UPN     | UX4UM    |
| DL2CHN     | HA8DZ      | DL6XK      | E73D       | UY0MM    |
| DL5XU      | IW3GJF     | DO1CTL     | EA8ZS      | VE3VHB   |
| DO4DXA     | JA1VLK     | ES1GO      | F6AJA      | W0YBS    |
| EA5AT      | JA2MNB     | G3YUV      | F8GB       | W1QA     |
| EA7QW      | JE6IGP     | HA8FW      | G3BRD      | W3DRY    |
| FG8OJ      | JG3HBO     | HI8RD      | HB9CIP     | W3TMZ    |
| G4AKY      | JG5RVQ     | JA1BWA     | HB9EFK     | W5CWQ    |

|            |            |        |            |        |
|------------|------------|--------|------------|--------|
| W5GJ       | R9GM       | K2TK   | <b>101</b> | N9DR   |
| W5ZO       | RA0FA      | K3KG   | AA2VG      | N9JCS  |
| W6PH       | RA4HT      | K4AQQ  | AA3LX      | NE1F   |
| W7DR       | RK3QY      | K4KAY  | AA4NU      | NX2X   |
| W9HBH      | RU3OW      | K4LM*  | AB4GE      | NZ9Z*  |
| WA0I       | SM3CBR     | K5ZO   | AC5O       | OA4TT  |
| WA9ETW     | SM6EHY     | K6DJ   | AC9S       | OE3WQB |
| WC6DX      | SM7BHH     | K6MI   | CT1JGA     | OH3TY  |
| YC0LOW     | SP5JXK     | K7BHM  | D44BC      | OK1PGF |
| YO5ODE     | UA3PFN     | K7UA   | DH2FW      | OK2BOB |
| <b>103</b> | US2WU      | K8BHZ  | DK9WI      | OK3EY  |
| AG1I       | UT2AB      | K8OQL* | DL1KS      | OK4MM  |
| AI3Q       | VA2ZO      | KB9DAK | DL3ANK     | ON4LG  |
| DJ1MM      | VA3IC      | KG8CW  | DL5JS      | OZ5HP  |
| DJ7PI      | VE3EDY     | KJ6NZ  | DM3ML      | PA4WM  |
| DL2HX      | VE3MFA     | KN4KL  | EA1WX      | RA3AH  |
| DL8YRM     | VE3VV      | KW4BY  | EU1TT      | RA4P   |
| DM5TI      | W0UVC      | KY6R   | G3ZFC      | RA4SD  |
| DS3HWS     | W1CTN      | LA3ANA | G4FJK      | RB7GG  |
| EA7SG      | W4AVY      | N5RZ   | GM3WTA     | RK9F   |
| EU6MM      | W4MZ       | NZ3M   | HB9NL      | RY6M   |
| EW3LB      | W4TMR*     | OH2EA  | IV3GOW     | SM2DMU |
| G3BDQ      | W5THT      | OK1DTN | JA1VVX     | SM7NDX |
| G4AAW      | W5VU       | OK1JDX | JA2VMU     | SP7JLH |
| G4PUQ      | W6SZN      | OK3CSQ | JA6TMU     | SP9DH* |
| G4VGO      | WA4CEM     | ON5UE  | JA7SFD     | SV1PL  |
| I0OSI      | WB8BZK     | PA7TWO | JF1RPZ     | UA0FDX |
| IK2ANI     | YO7APA     | PV8ABC | JH3HGH     | UG6GAW |
| JA2GQO     | <b>102</b> | PY2DO  | JH3PRR     | UR7CQ  |
| JA2OLJ     | A6/RV6LNA  | R2AB   | JI3KDH     | UT1CC  |
| JA8EJO     | CT4BD      | R3IS   | K0LW       | UT4IS  |
| JH1DGQ     | DK3QM      | RU3UN  | K1YR       | UT7HA  |
| JM2RUV     | DL3DXX     | SM6WET | K2BX       | VE2OJ  |
| K2UVV      | DL3NCR     | SP5MXZ | K3SEW      | VE3XB  |
| K4LQ       | DL4CW      | T77V   | K6AAW      | VK2GR  |
| K5JUC      | DL4KUG     | UA1AIR | K6XJ       | W0QC   |
| K7BTW      | DL5RDI     | UA1CKC | K7AR       | W1AW   |
| K8CCV      | DL5RDI     | UA6HOF | K7IA       | W1FC   |
| K9MUG      | EI4DQ      | UA9MR  | K8BN       | W1GF   |
| K9XJ       | ES5RW      | UA9UCO | K8ZR       | W1MRH  |
| KE1IU      | F6BWO      | UW7CN  | K9JU       | W2SF   |
| KJ4R       | FM5WD      | VE2FYR | K9PG       | W3HKK  |
| KJ7WY      | HB9AHL     | VR2MY  | KC4PX      | W3WH   |
| KM8AM      | I8LWL      | W1PV   | KD3UY      | W4BUE  |
| KM9E       | IT9SFT     | W2LW   | KE1VT      | W4PM   |
| KX2A       | IZ4MJP     | W2TX   | KE4S       | W4WT   |
| LX1DA      | JA0HXV     | W3EKT  | KF7NN      | W7AV   |
| N0RU       | JA4EVN     | W4ALF  | KN6J       | W7CB   |
| N1HOQ      | JA6OXT     | W4JVN  | KQ1F       | W7QC*  |
| N9BBQ      | JA7EPO     | W5TO   | LA2GV      | W8GB   |
| N9SF       | JA8OW      | W7IUU  | LZ1XZ      | W9DX   |
| OH3GD      | JH3AIU     | WA0IDK | LZ2XF      | W9MAF  |
| OK1DQT     | K0EOO      | WD8DSB | N0STL      | W9ZCL  |
| OK2BQU     | K0YN       | WS4Y   | N2AJ       | WA3EKL |
| OK3BRK     | K1EDG      | YO2IS  | N5AQ       | WB3HLH |
| OZ7JZ      | K1PTF      | ZL3RJ  | N6WM       | WC4H   |
|            | K2LP       |        | N8AG       | WK9U   |

|            |        |         |
|------------|--------|---------|
| WR2G       | K8CR   | RA4LW   |
| YO6BHN     | K8CS   | RA6XB   |
| YV4DYJ     | K8LBT  | RC2A    |
|            | K8LE   | RL3BZ   |
| <b>100</b> | K9NZ   | RN1A    |
| 9M6YBG     | KB0EL  | RT5A    |
| A41ZZ      | KC0V   | RU3GF   |
| AA4AK      | KC4D   | S53MJ   |
| AB4VV      | KC5LT  | S59DJK  |
| AC4VM      | KD8BZY | S59SV   |
| AG4Q       | KP4AA  | SM5AHK* |
| AI2S       | KP4N   | SV1VJ   |
| DJ6OI      | KQ5M   | SV2DSJ  |
| DL1HRN     | KS4XQ  | UA3AKI  |
| DL1TPY     | LA8W   | UA4PAY  |
| DL9GTB     | LU5OM  | UA6CEY  |
| DU7ET      | LU5YF  | UN6P    |
| EA2AAZ     | LZ3YY  | UR4CW   |
| EA3ALD     | MM0SJH | UR4LRG  |
| EA8AXT     | N0AH   | UR8IDX  |
| EC5A       | N1KI   | US8UW   |
| EI9E       | N1MD   | VE1RGB  |
| ES5NC      | N2DPF  | VE3OAT  |
| F6ECI      | N2SG   | VE7JKZ  |
| FM5GU      | N2XQM  | VP2VA   |
| G0VXE      | N3AF   | VR2PX   |
| G3OIL      | N4CRI  | W0GYH   |
| G4CGG      | N4ZR   | W0MU    |
| GM3ZSP     | N6PF   | W1AN    |
| I2VGW      | N7DED  | W1YRC   |
| IK0HFO     | N7TK   | W2CCC   |
| IK4MSV     | N7TY   | W3BBO   |
| IK8UHA     | N8IL   | W4HHN   |
| IS0/YO3RA  | N8NB   | W4OV    |
| IW0BYL     | N9ADG  | W5BK    |
| IZ0CKJ     | N9PGG  | W7DT    |
| JA1BRK     | NA6O   | W8CNL   |
| JA1CPU     | NA9Q   | W8FN    |
| JA4FSH     | NB3R   | W8GDQ   |
| JA5DQH     | NG7A   | W9FI    |
| JA9CGW     | NJ3I   | WB4SON  |
| JO4CFV     | NN4SS  | WK4Y*   |
| JR1BAS     | NU1T   | WU2M    |
| K0FLY      | OE5JDL | YB1TJ   |
| K0XM       | OH4UI  | YL2SM   |
| K1NA       | OK1DXD | YO2OXD  |
| K1NZ       | OK2PAZ | YO9FLD  |
| K2CBI      | ON4ANN | ZP9MCE  |
| K2CYE      | ON7EH  | ZS2DL   |
| K3TZV      | ON7GB  |         |
| K4FT       | ON9CC  |         |
| K4KSY      | OZ1ZD  |         |
| K4MS       | PA0INA |         |
| K4SAF      | PA7RA  |         |
| K4UQC      | R3PJN  |         |
| K7VIC      | R9JX   |         |
| K8BZ       | RA3SD  |         |