

## 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 18 Aug 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>329</b><br>K3UL<br>UA4HBW                             | W9ZR                                                                                | <b>311</b><br>DF3CB<br>DJ6RX<br>DJ9KG<br>G3PQA<br>I4AVG<br>I4EWH<br>KJ9I<br>RZ3AM<br>SP2FAX<br>W5IZ | N4IS<br>SM0AJU<br>WT3Q<br>YU1FW                                                     | F6BKI<br>JA4DND<br>LZ2JE<br>N1RJ<br>PA3FQA                                                    |
| <b>341</b><br>EA8AK                          | <b>326</b><br>EY8MM<br>S50A                              | <b>318</b><br>4X4DK<br>IK4WMA                                                       |                                                                                                     | <b>305</b><br>GM3GAV<br>JA4LKB<br>JA7NI<br>K4ZW<br>NN4T<br>RW3PZ*<br>SM3GSK<br>UA6A | <b>300</b><br>G3KMA<br>I2ZFD<br>JA4LXY<br>K4TEA<br>VA3EF                                      |
| <b>340</b><br>K1ZM                           | <b>325</b><br>K4PI<br>K9UWA<br>ON4UN*<br>SP5EWY<br>UA2FF | <b>317</b><br>I4EAT*<br>K5RK<br>OH3SR<br>W3LPL                                      | <b>310</b><br>RA3CQ<br>SM5BFJ<br>SM6CVX                                                             |                                                                                     | <b>299</b><br>EU7A<br>N1BUG<br>UX1UA<br>W7UT                                                  |
| <b>339</b><br>W4DR<br>W4ZV                   | <b>324</b><br>K2TQC<br>OH2BO<br>W1NG                     | <b>315</b><br>S50U<br>W1JR                                                          | <b>309</b><br>IK4MGP<br>W3GH*                                                                       | <b>304</b><br>DJ0MDR<br>GM3YTS<br>N4JJ*                                             | <b>298</b><br>9A2AJ<br>9A7V<br>DF2UU<br>IK2DFZ<br>OE6IMD<br>OZ3PZ<br>RA3DX<br>SM5CEU<br>W0FLS |
| <b>336</b><br>OH2BU                          | <b>322</b><br>UX0UN<br>W3UR                              | <b>314</b><br>GM3POI<br>IK4GME<br>NX4D<br>OE3GCU<br>OK3GU<br>OZ1LO<br>RW2A<br>UA4CR | <b>308</b><br>IV3PRK<br>K4SV<br>K8GG<br>N4RJ<br>OH5VT<br>SV8JE<br>UT3UA                             | <b>303</b><br>F5LGE<br>G0JHC<br>JA1BK<br>K1UO<br>K9QVB*<br>RU3DX                    |                                                                                               |
| <b>335</b><br>R7LV                           | <b>321</b><br>K5NA*<br>SM4HCM<br>WB9Z                    | <b>313</b><br>OZ7YY                                                                 | <b>307</b><br>CT1EEB<br>DJ7MI<br>VE3EJ                                                              | <b>302</b><br>JA2JPA<br>N3XX<br>OE1WEU<br>SM3EVR<br>SP3EPK<br>SV1FJA<br>SV8CS       | <b>297</b><br>DK5PR<br>N4CC<br>OM2XW<br>W0CD*                                                 |
| <b>334</b><br>N4WW<br>VE1ZZ*                 | <b>320</b><br>K8MFO<br>W8UVZ                             | <b>312</b><br>OH1MA<br>S54E                                                         | <b>306</b><br>DL4MCF<br>EA6SX<br>K4CIA                                                              | <b>301</b><br>DL9KR                                                                 | <b>296</b><br>DF3GY<br>DJ2BW*                                                                 |
| <b>332</b><br>UR0MC<br>UT7QF                 | <b>319</b><br>N0XA<br>N1DG<br>RA7A<br>SM4CAN<br>UT5UGR   |                                                                                     |                                                                                                     |                                                                                     |                                                                                               |
| <b>331</b><br>K5UR<br>LZ2DF<br>R4GM<br>UA4CC |                                                          |                                                                                     |                                                                                                     |                                                                                     |                                                                                               |
| <b>330</b><br>AA1K<br>HA0DU<br>OH1XX         |                                                          |                                                                                     |                                                                                                     |                                                                                     |                                                                                               |

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| F5NTV<br>G4PWA<br>ON5NT<br>RY9C<br>SP3IBS<br>W1JZ                                      | UA3AKO<br>US5WE<br>UT1UY                                                          | NA0Y<br>NO3M<br>R3OK<br>SM6DHF<br>W2YC                                               | DJ9VA<br>DK5WL<br>IK5BAF<br>K1ZZ<br>OH3BU<br>ON7TK                                             | <b>270</b><br>AA1V<br>K6ND<br>OE5KE<br>SV8BHN                        | KX4R<br>LA5IIA<br>W2SM<br>W3AP                                                             |
| <b>295</b><br>K3UA<br>N0TB<br>WD5COV                                                   | <b>289</b><br>JA3ONB<br>RX4HZ<br>SP3DV<br>US4EX                                   | <b>282</b><br>DL1YD<br>I0WDX<br>N2LT<br>N4KG*<br>SM6CTQ<br>UY5ZZ                     | <b>276</b><br>F6GCP<br>G3LZQ<br>I2AOX<br>N8RR<br>OK1AWZ                                        | <b>269</b><br>K8PT<br>W1ZC                                           | <b>262</b><br>G0DQS<br>IV3ODE<br>K4UEE*<br>KR9U<br>N5KD<br>NO8D<br>UT9FJ<br>UX4UA*<br>W1YY |
| <b>294</b><br>DL1AMQ<br>IZ0AEG<br>JH2FXK<br>JH4UYB<br>JR2KDN<br>LA5HE<br>RJ3AA<br>W5ZN | <b>288</b><br>K5XI<br>PA3GCV<br>SL0ZG<br>SP7VC<br>UA4LY<br>UX1AA<br>W0JX<br>WK3N  | <b>281</b><br>DF2PY<br>IK4DRY<br>JA2PJC<br>JR7VHZ<br>K1CP<br>S59Z<br>W4TO            | <b>275</b><br>9A1CCY<br>IK4CIE<br>K2UO<br>K4IQJ<br>KF2O<br>SP6AEG<br>SP9JZU<br>UW2ZM<br>W2OKM* | <b>268</b><br>DL5DSM<br>G3WPH<br>RA3XDX<br>SM5DJZ*<br>SP5DIR<br>W1MK | <b>261</b><br>9A4T<br>DL9YX<br>K2EK<br>K5KC<br>N6SS<br>SP1S<br>UX0FF                       |
| <b>293</b><br>I5NPH<br>IK1GPG<br>KV4FZ*<br>S58T<br>SM3NRY<br>UA3AB                     | <b>287</b><br>DL1RWN<br>G3XTT<br>N2QT<br>N7NR<br>RK4FD<br>UR5WA<br>VA3DX<br>W4PK  | <b>280</b><br>EA6NB<br>JA3FYC<br>KG4W<br>N9IW<br>RV3LO<br>SP5CJQ<br>SP6HEQ<br>YO3APJ | <b>274</b><br>CT1EKY<br>G3TXF<br>JA8ISU<br>MD0CCE<br>SM6CCO<br>W6UB                            | <b>267</b><br>EI7BA<br>G4OBK<br>LU8DPM<br>RW0LT<br>RZ3DX<br>W1GL     | <b>260</b><br>I1FQH<br>K1LT<br>K4DY                                                        |
| <b>292</b><br>G4BWP<br>HB9BGV<br>OZ1BTE<br>R7FK*<br>SM5AQD<br>SV1AOZ<br>W3YX<br>W8TOP  | <b>286</b><br>DJ2YA<br>DL7VEE<br>G4CCZ<br>K3SX<br>N3SL<br>PA0WRS<br>UT7UW<br>W8AV | <b>279</b><br>F6AOJ<br>IK8HJC<br>N2TK<br>N5DG<br>SM6CNN<br>UA6MF                     | <b>273</b><br>K2CL<br>K5BG<br>RA3DA<br>SP6CIK<br>UA3DPM                                        | <b>266</b><br>K1QX<br>K4XP<br>NR1R<br>R3LA<br>W8TE<br>W8XD           | <b>259</b><br>DF4PL<br>G3ZSS<br>K8FL<br>N2NL<br>R9FM<br>VK4MA                              |
| <b>291</b><br>CT1APE<br>K4WM<br>KD9SV<br>R7NW<br>SM6CMU<br>SP3E<br>UA3LAR<br>UT7UJ     | <b>284</b><br>HB9BIN<br>IK6DLK<br>JH4IFF<br>NJ6P<br>W0BV                          | <b>278</b><br>DK0EE<br>F5NBU<br>F6BEE<br>HB9AMO<br>K5DU<br>RU3FM<br>SP9DWT<br>VE2TZT | <b>272</b><br>DL1DUL<br>DL2OE<br>LA3MHA<br>OH1LEU<br>PA7MM<br>SM5KNV                           | <b>265</b><br>AA4V*<br>AA6YQ<br>AA7A<br>EA5BM<br>YO5BRZ              | <b>258</b><br>JH1GZE<br>KW9A<br>KY7M<br>N8TR<br>RN3CT<br>VE3QAA                            |
| <b>290</b><br>K0KX<br>N8DX                                                             | <b>283</b><br>9A2EU<br>JA5EXW<br>K4SO<br>K8KS<br>K9CT                             | <b>277</b><br>AA4MM                                                                  | <b>271</b><br>G4GED<br>JA5AUC<br>KD5M<br>OZ1CTK                                                | <b>263</b><br>IZ1ANU<br>K9OW                                         | <b>257</b><br>AA1QD<br>K1GUN<br>K9NW<br>N4II<br>W3DF<br>W9YSX                              |

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| <b>256</b><br>9A5CY<br>JA2VPO<br>JA5BZL<br>K5VRX<br>SV8GFW<br>W1TSP                  | IK0XBX<br>K2FF<br>K9RX<br>NQ1K<br>ON4IQ<br>OZ8BZ<br>YO9HP                                     | F6BLP<br>IZ8FFA<br>JA0CRI<br>JA1HGY<br>SV1RK                                                                                                                           | <b>239</b><br>AJ6T<br>IK0YUT<br>IW1ARB<br>K1HTV<br>KH6AT<br>LY3UM<br>RN3QN<br>RU3QR<br>SV1ELF<br>UW5ZM                  | JH1HGC<br>K4UTE<br>KF0QR<br>PY1BVY<br>VE7IG*<br>W7AO                                                                    | JA8FKO<br>JI1BEX<br>K4HB<br>KV7K<br>OE5NNN<br>RO7T<br>WB6RSE                                                                            |
| <b>255</b><br>K4QL<br>N2MF<br>W3KX<br>W5OZI<br>YL2GD                                 | <b>249</b><br>AI9L<br>SP5DRH                                                                  | <b>243</b><br>DK2JX<br>DK3DG<br>G8VR<br>ON4ATW<br>S57A<br>W9RPM<br>WX4G                                                                                                | <b>238</b><br>DL8WN<br>IK0XEZ<br>NI0G<br>RA0FF<br>VO1HP                                                                 | <b>233</b><br>DF6PB<br>IZ4BEZ*<br>IZ8FWN<br>K0CS<br>K2UU<br>KA7T<br>ON4GG<br>SK3PY<br>UA4HAU<br>VA2WA<br>W1TC<br>YO7LCB | <b>228</b><br>AF9H<br>AI0O<br>N2WK<br>NT0V*<br>OH2BEN<br>SP7GAQ                                                                         |
| <b>254</b><br>5B4AGN<br>I1EIS<br>N0AT<br>OM3DX<br>WA4FFW                             | <b>248</b><br>K3WW<br>K5RX<br>N6TR<br>SM3VAC<br>T77C<br>W9NGA                                 | <b>242</b><br>EA4KD<br>KG7H<br>W3LL<br>WA7NB                                                                                                                           | <b>237</b><br>DL7MAE<br>K1AR<br>K1VW*<br>KC7V<br>OM4EX<br>W4YO*                                                         |                                                                                                                         | <b>227</b><br>DL7HU<br>ES1RA<br>IK0HBN<br>JA1UQP<br>JA9CHI<br>K1FK<br>K3NW<br>N6JV<br>SP8NR<br>W9BF                                     |
| <b>253</b><br>IV3YYK<br>JQ3DUE<br>K5ESW<br>R5DT<br>S58Q<br>SP9FKQ*<br>UA1OMS<br>W0YG | <b>247</b><br>K0IEA<br>K6XT<br>NO2R<br>OE2LCM<br>R7IA<br>TF4M<br>WA7NS<br>WB3AVN              | <b>241</b><br>AC4G<br>JA0DAI<br>JA1SYY<br>JA3EMU<br>JA5MHD<br>JR3GWZ<br>K5ZK<br>KA9CFD<br>N4XM<br>N5TY*<br>N7RT<br>NV9L<br>OK1DWJ<br>SP5GRM<br>UA3TT<br>VE1YX<br>VE3NH | <b>236</b><br>JG1ULJ<br>K1JO<br>K5EK<br>K9NR<br>K9ZO<br>OK2ZI<br>OZ4O<br>SP8AJK                                         | <b>232</b><br>9A8A<br>EA1N<br>FK8CP<br>JA8EAT<br>K2AZ<br>K4XL<br>NI6T<br>UA3AP                                          | <b>226</b><br>DL5WW<br>JA6BZI<br>JF2KOZ<br>JJ3PRT<br>JR6EZE<br>K9FD*<br>LA7GIA<br>MM0EAX<br>SP3CGK<br>US0SY<br>UT5JAJ<br>VE6WZ<br>W0VTT |
| <b>252</b><br>EA1DR<br>JF2MBF<br>JG3QZN<br>JR3IIR<br>NN4X<br>PA4VHF<br>S52F<br>W3UM  | <b>246</b><br>DJ2TI<br>F2JD<br>IK0MHR<br>JA7QVI<br>JF8QNF<br>OK1CF<br>UR5EDX<br>W2TQC<br>W5XZ | <b>240</b><br>AB4I<br>EA6ET<br>IZ1LBG<br>K0JUH<br>K0KT<br>K1DG<br>K1FZ<br>K1ZG<br>K9OT<br>LA2XPA<br>UR5MID<br>VO1NA                                                    | <b>235</b><br>CX6VM<br>DJ5FI<br>DL9MRF<br>EA6VQ<br>JA0FSB<br>JH4ADV<br>K3SWZ<br>N6DX<br>R7DX<br>S51DI<br>VE3DZ<br>VE3XN | <b>231</b><br>4X4NJ<br>HA9RE<br>JA2NDQ<br>KD0Q<br>N6AR<br>N7NG<br>ON4ACG<br>W9IXX                                       |                                                                                                                                         |
| <b>251</b><br>AB3CV<br>DJ7RD<br>DL9RT<br>JH0BBE<br>PY2RO<br>W5UN<br>W7LR             | <b>245</b><br>DL4CF<br>EI2CN<br>JA1GV<br>N9US<br>RL9F<br>RY7G<br>W9XY                         |                                                                                                                                                                        | <b>230</b><br>JA1CMD<br>N8JV<br>SM3NXS<br>W4GF<br>W4VQ                                                                  |                                                                                                                         | <b>225</b><br>A45XR<br>EU1KY<br>JH7PFD<br>K1MM<br>K5AB<br>K9FD/KH6*<br>N4CH<br>RA3QK<br>RV1CC                                           |
| <b>250</b><br>HB9RG                                                                  | <b>244</b><br>AG9S<br>DK6WL                                                                   |                                                                                                                                                                        | <b>234</b><br>IK6FWJ                                                                                                    | <b>229</b><br>CT1FJK<br>DJ4AX<br>E72A<br>I3BUI                                                                          |                                                                                                                                         |

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| RW3XZ<br>VA5DX<br>W7KW                                                                                                       | HB9LCW<br>HL5IVL<br>IV3RAV<br>JR4OZR<br>K4NA<br>K5EJ<br>KA1R<br>VE3EXY                                           | W6XA<br>YU3AA                                                                                                                  | <b>211</b><br>EA1RT<br>EA5KA<br>IK4DRR<br>JA4DEN<br>K3WA<br>RU3SD                                                                                  | K3JT<br>K3LR<br>K8EUR<br>K9YY<br>KB8VAO<br>N9AU*<br>US0KW<br>W0LS                                                                                                         | W2HUV<br>WD8PKF<br>WF4U<br>WI8A                                                                                                                                                 |
| <b>224</b><br>N0AV<br>N8BM*<br>SP5INQ<br>VK6VZ<br>W2RQ                                                                       | <b>219</b><br>AD5A<br>IK3VUU<br>JA2FBY<br>K6TA*<br>LA7JO<br>OE8RT<br>RA3WDK<br>SP4K<br>UT7UV<br>WA2UUK           | <b>215</b><br>G0OIL<br>N7JW<br>RA3S<br>W0UO<br>W2LK<br>W6YI<br>WS9V                                                            | <b>210</b><br>I8SAT<br>JJ2LPV<br>K0MN*<br>RV0AR<br>UW7LL<br>W7JW                                                                                   | <b>206</b><br>IK0IOL<br>JA3PIS<br>K2VV<br>K5AQ<br>K5MC<br>K8AC<br>KC6AWX*<br>N8DJX<br>NK1K<br>OH1TV<br>SM6BZV<br>VE3BW                                                    | <b>203</b><br>JA2XYO<br>JE1PNX<br>JF1PUW<br>K9MMS<br>KA1J<br>KK2I<br>PA0A<br>R6AF<br>W7DO<br>W8GC                                                                               |
| <b>223</b><br>AB0X<br>DJ8NK<br>HA7TM<br>JA2WYN<br>JH2TPI<br>N1LN<br>RT6T<br>SV2JAO<br>UR5FEO<br>ZS4TX                        | <b>218</b><br>DJ4PI<br>DK0PM<br>IK1YDB<br>JA6LCJ<br>JA8CDT<br>JH0INP<br>K0EU<br>K5UO<br>LA4GHA<br>UT4MF<br>W5PJR | <b>214</b><br>DL7BA<br>HL3IUA<br>JA2IVK<br>JA2JW<br>K1AM*<br>OK1DX<br>RN7G<br>W4NL                                             | <b>209</b><br>DL5CF<br>HB9CXZ<br>HB9DDZ<br>JA0UUA<br>JF4VZT<br>K5RT<br>KG9N<br>N9LB<br>PY2BW<br>VE1DX<br>W0AIH*<br>W0ZR<br>W6PBI*<br>W7KNT<br>W9OO | <b>205</b><br>F6EXV<br>I4KDJ<br>JA3AAW<br>K9US<br>KA9FOX<br>W5ZG<br>W8UN<br>WA2HZO<br>WB8ZRL                                                                              | <b>202</b><br>DK2LO<br>DL1MGB<br>DL2KQ<br>DL9DRA<br>HB9DDO<br>JA0EOK<br>JA3CSZ<br>JH3VNC<br>J12KXK<br>K1GG<br>LY1G<br>N5ZM<br>N7KA<br>OK1DOT<br>R9TO<br>UA9FAR<br>W1NT<br>ZL3IX |
| <b>222</b><br>IV3JVJ<br>JA2FJP<br>K3SV<br>K4MWB<br>K6EID<br>K8FH<br>K8ZTT<br>N4PQX<br>N5AW<br>N5JR<br>N8PR<br>N9BX<br>SM0CCM | <b>217</b><br>9A2NA<br>DM5EE<br>JA9PPC<br>JH1IFS<br>K5PC<br>ON6YH<br>UA3AGW<br>WP4U<br>YV1DIG                    | <b>213</b><br>DF2IS<br>EI3IO<br>HA1RW<br>JA7MSQ<br>JF6DSZ<br>K1ST<br>N1ZZ<br>NA2M*<br>RU4SO<br>W0LYI<br>W1FJ<br>W2WG<br>W3YY   | <b>208</b><br>G3NSM<br>I4LCK<br>JA2JNA<br>K2FU<br>LA7HJA<br>N5ORT<br>PY2XB<br>RU3ZX<br>RX3APM<br>SM5JE*<br>UN5J<br>UY1HY<br>W6PJ<br>W9EWZ          | <b>204</b><br>AA5AM<br>DJ5AV<br>F4BKV<br>IK7NXM<br>JA5AQC<br>JA9NFO<br>K2NV<br>K4JJW<br>K4XO<br>K7GM<br>KK4SI<br>LX2A<br>N4NX<br>N4QS<br>N7FU<br>SM2OAN<br>UA0SR<br>US6EX |                                                                                                                                                                                 |
| <b>221</b><br>IZ8VYU<br>JF3KON<br>K8SIX<br>LB8DC<br>N6VR<br>OZ1AXG<br>VE3LYC<br>W1ZK<br>W6JRY<br>WS6X                        | <b>216</b><br>F6DAY<br>K3JGJ<br>N5UL<br>OE1ZL<br>RA1QD<br>RZ0AF<br>W0GJ                                          | <b>212</b><br>AA9A<br>DL9GFB<br>JA9FPI<br>K4MQG<br>K8ZH<br>KE9I<br>KG6I<br>N4MM<br>NX0I<br>SM5CZQ<br>W1ECT<br>WA5VGI<br>WB9CIF | <b>207</b><br>DF2GH<br>K1DT<br>K1LPS                                                                                                               |                                                                                                                                                                           | <b>201</b><br>AG4W<br>CU2DX<br>DK1FW<br>DL1EJA<br>JO7WXN<br>K3HP<br>W0MHK<br>W2IRT<br>W5TCX<br>XE2X                                                                             |
| <b>220</b><br>AG8B<br>DK2NG                                                                                                  |                                                                                                                  |                                                                                                                                |                                                                                                                                                    |                                                                                                                                                                           | <b>200</b><br>IK0FVC<br>JA1GTF<br>JH2RMU                                                                                                                                        |

|                                                                                                                                                                          |                                                                                                                                                    |                                                                                                                                                                       |                                                                                                                                     |                                                                                                                                                            |                                                                                                                                               |
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| K1GE<br>K8NVR<br>LA5YJ<br>OH2IS<br>RW4NN<br>RW7M<br>SP3FAR<br>UY0ZG<br>W0DD<br>W3GG                                                                                      | JA3RAR<br>K0BBC<br>K8PO<br>KP2A<br>ND0N<br>RA9CMO<br>RZ4FO<br>W2FCR<br>WN6W                                                                        | WA2VYA<br>WE9R                                                                                                                                                        | JA1KQX<br>JA8DNV<br>KE9ET<br>KL0S<br>N8LJ<br>NN2L<br>RM0F<br>W1YM<br>W6SR<br>W8JV<br>WA6YEE                                         | N9RC<br>S57AC<br>US8UA<br>UT2UB<br>W2YJ                                                                                                                    | <b>179</b><br>IT9ELD<br>K0TT<br>K8WK<br>KI5BLU<br>N2PK<br>OK1MG<br>S57UN<br>SM4DDE<br>SV3FUP<br>W8KEN<br>WC4X                                 |
| <b>199</b><br>G0BNR<br>JA2DPC<br>JA4PXC<br>K6G XO<br>N4DW<br>W1TO<br>W3YQ<br>YO2DFA                                                                                      | <b>195</b><br>EA3JL<br>EA5RM<br>G3ZEM<br>JA1EOD<br>JA1XEC<br>JH1RFR<br>JN7FAH<br>K7SO<br>K9RT<br>KF8UN<br>LA0FA<br>N1SV<br>W4FC<br>W9OP            | <b>192</b><br>AD8P*<br>K3FN<br>K4FJ<br>K5XX<br>K9EU<br>KF7PG<br>N4DB<br>W3UA<br>W8LGJ                                                                                 | <b>187</b><br>AJ1H<br>JA3ENN<br>K0SR<br>K6SRZ<br>KN5O<br>N2NS<br>OK1CZ<br>W7AWA                                                     | <b>183</b><br>IT9INO<br>K8RRT<br>K8VC<br>N9MB<br>ON6SAS<br>W2FP<br>W8NW                                                                                    | <b>178</b><br>4Z5CX<br>EA3CJ<br>JA4MRL<br>JL1SAM<br>K2UR<br>K4RG<br>N7XR<br>NE0U<br>SM7DLK<br>SV1JG<br>W7MEM<br>ZS1LS                         |
| <b>198</b><br>DL1ROJ<br>G3UJE<br>G4BUE<br>I5KKW<br>IT9JNR<br>UT5EL<br>W8HB                                                                                               | <b>194</b><br>I1JQJ<br>JA7JWF<br>K0JGH<br>K4KDX<br>K9JF<br>KB9LIE<br>NE1B<br>W2LO<br>WD8JJA                                                        | <b>190</b><br>AA1ON<br>CT1FPQ<br>IZ8XQC<br>JA1DUH<br>JA1MCU<br>JA2LCP<br>K2TE<br>K9KU<br>KB0EO<br>KB1EFS<br>KM1D<br>N4XU<br>N5GH<br>SM0NJO<br>SP2LNW<br>VE7VV<br>W9AJ | <b>186</b><br>IK2QPR<br>JA2ZL<br>K0BJ<br>K7LAY<br>YL2TW                                                                             | <b>181</b><br>DK3WW<br>JA2BDR<br>JA9TWN<br>JG0CQK<br>JN4MMO<br>K2EP<br>LZ2ZG<br>VE3OSZ<br>W1RM<br>W6NWS                                                    | <b>177</b><br>9H1SP<br>AE5E<br>CT1GFK<br>K3WC<br>K5GKC<br>K6ZZ<br>K9NU<br>OK1DWC<br>PY5EW<br>SM5FUG<br>SM6DHU<br>UN9L<br>W5LT<br>W7FI<br>WB7B |
| <b>197</b><br>G3SNN<br>JA0VSH<br>JE1BMJ<br>JH1QAX<br>JH2UVL<br>K3KO*<br>K3PA<br>LA7AFA<br>LA9GX<br>OE4PWW<br>OE5FIN<br>ON4CD<br>RZ6FA<br>SM7GIB<br>UA0SC<br>W0FS<br>W4UM | <b>193</b><br>CT1IUA<br>DL5ZB<br>DL6ZXG<br>EA3WD<br>HA5BSW<br>JA1ANR<br>K4ODL<br>N5LZ<br>N9EN<br>PA0LOU<br>RN1ON<br>RN9N<br>UA0CA<br>W0RI*<br>W9MU | <b>189</b><br>9A2F<br>CT1FMX<br>EA8PP<br>FM5CD<br>K4CN<br>SP7HOV<br>UA7T<br>W5DM*                                                                                     | <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<br>W0EWM* | <b>180</b><br>4Z5MU<br>DM2DXA<br>DM3VL<br>EA8JF<br>IK4ADE<br>JE2URF<br>K6SSS<br>K7BG<br>LA9AJA<br>N1RR<br>N4AH<br>ON5FP<br>SP1MGM<br>W2OR<br>W7BEM<br>W8TN | <b>176</b><br>EU1AB<br>G0BLB<br>I6FLD<br>JA0DET<br>JA5IU<br>JA6BJV<br>JA8KSF<br>JS3CTQ                                                        |
| <b>196</b><br>4Z4DX<br>AA4HP<br>IK4PLW                                                                                                                                   |                                                                                                                                                    | <b>188</b><br>AB4IQ                                                                                                                                                   | <b>184</b><br>HA5WA<br>IW0SAF<br>JA9NLE<br>JF1NZW<br>K4HGX<br>K5KLA<br>KB4ET<br>N4OGW                                               |                                                                                                                                                            |                                                                                                                                               |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| K8MN       | N5FG       | IK2EGL     | IV3TDM     | K8TL       | JA9APS     |
| N5OK       | RC9F       | JA1ADT     | JA1FNA     | OK2QA      | JE2OVG     |
| PE1L       | VE6WQ      | JH7IAJ     | JA9LJS     | RW3RN      | JR7MAZ     |
| RL3FA      | W3IP       | JR1IZM     | JH2SON     | UR4CWQ     | K3MSB      |
| W4BP       | WA5YNB     | K1LI       | K1KA       | VE3CFK     | K3RA       |
| W4GD       | WB0TEV     | N4XX       | K3KY       | W7AL       | NR4M       |
| YO7NE      |            | N7US       | K4JLD      |            | RU6L       |
| <b>175</b> | <b>172</b> | RN3OG      | K4PB       | <b>162</b> | UA0FZ      |
| JA1CHN     | EA7TV      | UT8MM      | K4WA       | 4O3A       | UX5UO      |
| JA1PPW     | G3NKC      | UY5AA      | K4ZYU      | 9A4W       | W1BR       |
| JA6VQA     | HB9FMN     | W6RW       | N9FN       | F3AT       | W5XC       |
| JE3ENP     | IZ5MOQ     | WB3JFS     | NY0V       | HB9BUN     | W9RN       |
| JH2QMT     | JA3FGJ     |            | RM3DA      | JA6GIJ     | WX0B       |
| JH7CFX     | K0DEQ      | <b>168</b> | W0DJC      | JH4ALY     |            |
| K2KA       | K1BD       | AA6AA      | W1RR       | JR5JAQ     | <b>159</b> |
| K4DLI      | K6FG       | G3MXJ      | W8ILC      | K1CA       | JA4FKX     |
| LA5LJA     | KJ0M       | I2ZGC      | WA8TXT     | LB6KC      | JL1RUC     |
| N7IR       | W3JX       | JE7JDL     |            | N8MR       | K4RO       |
| TF3SG      | W4FQT      | JF2UPM     | <b>165</b> | VE7SL      | OK2ZV      |
| VE3FF      | WA3AFS     | K4XD       | DL7UCX     | W0HT       | UN7JX      |
| W8HC       |            | K5QY       | F6HDH      | W0TT       | W3HKK      |
| WA9PIE     | <b>171</b> | K8RYU      | IK0AGU     | W1LW       | W6BJH      |
| WX0V       | AA9D       | K9MBQ      | JE7RJS     | W2XL       | W7SX       |
|            | DL6KR      | KR4F       | K5JZ       | W8WEJ      | WD5BJT     |
|            | G0EHO      | N4QQ       | KK4CB      |            |            |
| <b>174</b> | HA9PP      | N8BJQ      | N4HB       | <b>161</b> | <b>158</b> |
| HB9TKS     | JA6HUG     | PA7F       | SM4CTT     | DK2GZ      | DJ4PT      |
| JA0GJJ     | JF1WPB     | SP5GH      | W5BN       | DL6RAI     | DL1FKA     |
| JA2XW      | JH6QFJ     | SP6EQZ     |            | G4GIR      | E70T       |
| JA7MOL     | JR1TNE     | W4SVO      | <b>164</b> | HB9DHK     | HB9HFN     |
| JF7DZA     | K1NU       | W6VX       | DL6MRS     | IK0FUX     | HB9SLO     |
| JK1OPL     | K2FL*      | W8OI       | GU4YOX     | IZ3ENH     | JH1TWT     |
| JR6PGB     | N0RN       |            | HA7UW      | JA1DOF     | J11FXS     |
| K1KI       | N7RO       | <b>167</b> | HB9BZA     | JE2DZC     | J11NJC     |
| K2PLF*     | RA3DNC     | CT1FCX     | JA1RTX     | K5GO       | JR1GJP     |
| K3AJ       | SV1LK      | DK5AD      | JA7ZP      | K8ND       | JR3OEH     |
| K4TR       | SV2AEL     | EC3A       | K1NJ       | LB2TB      | K5TT       |
| K4WS       | W7Yaq      | JF2XGF     | N5WA       | N4GN       | K9GA       |
| K4XR       |            | K6KO       | RA3ZH      | OE5RLM     | KQ4AV      |
| N1EN       | <b>170</b> | K8NK       | W4DKS      | OH6RA      | OZ1HX      |
| OE1WHC     | DJ6TK      | N0IJ       | W4NS*      | VK3HJ      | RU6M       |
| RN7F       | IK0PEA     | N3BNA      | WP4G       | WE1P       | SM4EMO     |
| UA3LNM     | IT9DSZ     | OH2BLD     | WW3S       | YU2TW      | W0SZ       |
| W8UV       | JA6JPS     | PA3C       |            | ZS5LB*     | W1OX       |
| W8VVG      | JM1GYQ     | RA1AOB     | <b>163</b> |            | W3GQ       |
| WT8C       | N4PY       | S51EC      | 9A2JK      | <b>160</b> | W4QN       |
|            | SP3GTS     | W1YW       | AA8CH      | AD5Q       | WS5W       |
| <b>173</b> | SV3KH      | WA4LOX     | DJ9HX      | DK1WB      |            |
| 5B4ALJ     | W9EVI      | WC5N       | IZ4DPV     | DL1DA      | <b>157</b> |
| JE2LPC     | WA0MHJ     |            | JE2LUN     | EA3GP      | AA4H       |
| JG3IWL     |            | <b>166</b> | JH4CPC     | HB0CC      | AB9V       |
| K1NTR      | <b>169</b> | 4Z1UF      | K1USA      | IW2FND     | AC6DD      |
| K9YC       | EI6FR      | DJ4SO      | K7NN       | JA2EPW     | CU2AP      |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| DL4MM      | JL1UXH     | W6RLL      | <b>149</b> | K5SM       | W8GNM      |
| EA5BY      | K0KVR      | W7AJ       | DL7CX      | K7WP       | W8RLS      |
| G3TQZ      | KR2Q       | W9JJB      | HB9CQK     | N7BT       | WC5M       |
| JA1GHH     | NX8Y       | WB3CQM     | IK4FNF     | NJ3K       | WD5T       |
| K0QC       | RN3TT      |            | JL1ARF     | OE6VIE     | YO3CD      |
| LY5A       | W1NA       | <b>151</b> | K3TN       | RU0SN      |            |
| N3RC       | W5DNT      | AA7G       | K4YYL      | W1IZL      | <b>143</b> |
| N5MOA      | YS1RR      | DK2OY      | K6NR       | W1ZT       | DL6EN      |
| NE9Z       |            | EI9JF      | K7HP       |            | IK8GYS     |
| RU4UR      | <b>153</b> | F3SG       | K8ME       | <b>145</b> | IT9BLB     |
| SM3PHM     | AJ9C       | JA6BEE     | LB5WB      | AF4HX      | JH1HHC     |
| SV8ZS      | DF2RG      | K2AX       | NA5C       | HI3T       | K7CMZ      |
| W2TA       | DL1DUO     | K2FW       | R8TX       | IT9ZZO     | K7CW       |
| W4TV       | DL3ZA      | K8ROX      | SM6CUK     | IU0HDC     | N2RJ       |
| W5GZ       | G3TJW      | LA6OP      | UW7UA      | JE6TSP     | N5UW       |
| W7TVF*     | HL2CFY     | N5JB       | W0GG       | JH7RXU     | N6PAT      |
| WS7L       | JA2VQF     | N6PSE      | W7HPW      | JJ3HGJ     | NN4R       |
| YV2IF      | JA5XAE     | OK1ATP     | WB8B       | JK1AJX     | VE3CV*     |
|            | JF1IRW     | RD3A       | WD5K       | K3VAT      | W0IZ       |
| <b>156</b> | JH1NYM     | RU3A       | YO3DDZ     | K4OY       | W6QUV      |
| FM5BH      | JR1XIS     | S54A       |            | K8BL       | WB8CQV     |
| IZ8IEV     | JR9OPJ     | SP7AWG     | <b>148</b> | KF6HI      | WB8ZRV     |
| JE3GRQ     | K7SP       | SV9AHZ     | DK2CC      | KM3T       | WD9DZV     |
| JO7HAM     | K8VFX      | W7CT       | F5CQ       | KR0P       |            |
| K8YSE      | LZ1PM      | W7RH       | F5PAC      | N1CGP      | <b>142</b> |
| KD0PO      | N4TV       | WA1Z       | G4FTC      | N4GG       | AB9M       |
| KS1J       | N5TW       | WA2BCK     | IV3VBM     | N8OC       | I5HOR      |
| N3UA       | N5XZ       |            | JH1QDB     | RT0F       | JA2ATE     |
| N7WS       | N8II       | <b>150</b> | N2WB       | SM3DTR     | JH0BQX     |
| SP5IWA     | R9OK       | EA1AF      | NE3F       | W5ADD      | J11DCW     |
| SV1CNS     | SM6CLU     | I0JBL      | W5FIX*     |            | JR7WFC     |
| UA3SAQ     | SP5CCC     | IZ0RVI     | W5FKX      | <b>144</b> | K3PP       |
| VA3LX      | UT5UY      | JA1SVP     |            | CU3EQ      | K4WZ       |
| W1YIF      | WB8BPU     | JA2NQG     | <b>147</b> | DL5CW      | K6EME      |
|            | WJ4T*      | JA9RRH     | JA1XQC     | DL5KUA     | KK1W       |
| <b>155</b> |            | K0RS       | JE1FQV     | EI6IZ      | MM0SAJ     |
| DL1RK      | <b>152</b> | K1OA       | JN1BMX     | GM3ITN     | N7QT       |
| DL4SZB     | EW2A       | K5TR       | JR2LJO     | HB9BYQ     | NA4D       |
| JH4HMG     | HA1RB      | K5VWW      | K8UT       | HS0ZEE     | NQ7R       |
| K2LS       | HB9RYZ     | K7LV       | KM1H       | I5MXX      | NY2NY      |
| N2ZN       | JT1CO      | K8AJS      | N1IBM      | IT9GSF     | OK1DO      |
| NE0DX      | K9MK       | KU4XO      | PC3T       | IV3DXW     | W2OO       |
| NW7E       | KS3F       | N3QE       | W1OP       | IZ4GWE     | W4WT       |
| SM6VR      | N9OY       | N9CO       | W2KKZ      | JA3GN      | W5LUA      |
| UN7LZ      | OH1JP      | OE8SPW     | ZS1C       | K0VSH      | W5VQ       |
| W2XI       | S55ZZ      | ON6AA      |            | KJ9C       | WA5POK     |
| W2XZ       | UA6IGI     | OZ3SK*     | <b>146</b> | LA9VFA     |            |
| ZS6EZ      | UT5AB      | SQ5EBM     | EU4A       | N1IX       | <b>141</b> |
|            | VE6LB      | UA6YW      | IV3KFB     | N2WM       | AC9S       |
| <b>154</b> | W1SKU      | W4GE       | JA1HQG     | N3KK       | DL5MHQ     |
| 3V8SF      | W1VT       | W6DAO      | JA4DHN     | SM4OLL     | EW1BA      |
| F5LVL      | W2/CT1GIF  | WW2DX      | JH1GNU     | SM5CLE     | HB9FMT     |
| GM3PPE     | W2RS*      |            | K5KV       | W7ZI       | JA1PTJ     |
| JA8NFV     |            |            |            |            |            |

|            |            |            |            |            |            |
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| JH4JNG     | SP6JIU     | K7TM       | K1TO       | OZ2RH      | JN1RQV     |
| K2RW       | SV8ZC      | KR6C       | K1ZN       | SM4BZH     | K2MYR      |
| K6KLY      | W0SD       | OK1DW      | K3OX       | SM6BGG     | K3NK       |
| K9GWH      | W9XQ*      | SM3GQP     | K5VIP      | VE3CRG     | K7LFY      |
| SV3FUO     | WA8WV      | SM5OJH     | KS4YT      | W4AXL      | K8BCK      |
| W1AX*      |            | SP2BMX     | N9MR*      | W4RBO      | K9GL       |
| W2CG       | <b>138</b> | SP6M       | N9RS       | W4WM       | N9RD       |
| W3BW       | DK8MCT     | UT3UZ      | OE1TKW     | W5SL       | NA4EA      |
| W4JVN      | DK8YY      | UW8SM      | ON4CAS     | W7AH       | NO9E       |
| W4VIC      | DM2RM      | W1EQ       | PY5HOT     | W7CD       | OZ2ABI     |
| W8HW       | EI9FBB     | W1OPD      | RG6G       | W9FR       | R5QA       |
|            | F6DDR      | W2OIB      | RX4HW      | WB3D       | R9AB       |
| <b>140</b> | IK8EPC     | W6DR       | SM0BYD     | XE2S       | RU1AO      |
| 9A1CAL     | JA3OOK     | WB7QXU     | UA0ACG     | ZS1A       | TA1CM      |
| HB9FAN     | JF3LOP     |            | UA9OR      |            | VE3DO      |
| JA0GCI     | K1RO       | <b>135</b> | W4JKC      | <b>131</b> | W2MPK      |
| JA4OK      | KJ6P       | 5B4MF      | YU1AM      | DK7YY      | W9ZT       |
| K5WK       | OZ8X       | AG1A       |            | HS1NGR     |            |
| KF8DX      | PY5EG      | BA4RF      | <b>133</b> | IK3XJP     | <b>129</b> |
| N4XP       | RW4CY      | DJ9ZB      | 9K2NO      | JA0AOO     | HB9AZZ     |
| OH6NIO     | UN7JID     | DL9FCY     | EU1U       | JA2TBS     | JA1NWD     |
| ON7DR      | V51B       | F6FXU      | G3UHU      | JG1DUZ     | JA8JO      |
| UN1L       | W1GD       | IK2SGB     | G4XEE      | JH4ADK     | JH3CUL     |
| VE6SV      | W2YE       | IZ7EVZ     | IK5DNF     | JJ4POR     | K6XM       |
| W0SEI      | W4YV       | JA7LGE     | IZ8DFO     | JJ1TEA     | K8DV       |
| W4NU       | W7OM       | JA7LMZ     | JA6CBG     | JM1FHL     | LB7ZG      |
| W7IV       |            | JA8BNP     | JA7GLB     | K1UU       | N0YY       |
| W8LWU      | <b>137</b> | JA8JL      | JA9AGN     | K9DR       | N2BJ       |
| WO2T       | EA1YO      | K1ZE       | JR6FC      | KC2LSD     | N3KS       |
| YL2MU      | GM3YOR     | K4TT       | JR7FRW     | KH2L       | N3RR       |
| YO9FNP     | HB9IQB     | K4ZRJ      | K2CDJ      | KM3V       | OE3SGU     |
|            | IZ2FOS     | K7FL       | K6SIK      | KM4H       | PA3EWP     |
| <b>139</b> | JA3APU     | KX4TT      | KU2A       | N3MK       | SM3BCS*    |
| DF7EE      | K2QMF      | NZ9R       | OE1KM      | N4QWZ      | W0YVA      |
| DJ4XA      | K4JKB      | R3VA       | RA5BM      | N5PHT*     | W7QHE      |
| DL5EBE     | K7XB       | R7LP       | UQ2PZ      | N6RK       | W8MET      |
| DL8OH      | K8NS       | RK2M       | VE3WT      | ON4ON      | W8MK       |
| DS1JFY     | RA3CO      | RN3RQ      | W0NFL      | R0SR       |            |
| JA1TMG     | RG7G       | SM3LGO     | W2QO       | R9MJ       | <b>128</b> |
| JK1EXO     | UU1JA      | SM5CZK     | W5AJ       | R9SA       | AA4SC      |
| K2RET      | W1ITU      | SP3XR      | W6RKC      | S51NM      | JA1XCZ     |
| K3ANS      | W5ODD      | SV5DKL     |            | W7JY*      | JA2AHH     |
| K6AM       | WB5JID     | UB3A       | <b>132</b> | W8DCH      | JA2KSP     |
| K8GI       | WE4S       | W1DIG      | AA4NC      | W8KA       | JA4KDT     |
| K8RF       |            | W2GD       | AD6W       |            | JA9AA      |
| KA8SYV     | <b>136</b> | W4BUW      | IK3VBB     | <b>130</b> | JE1LFX     |
| KU0A       | E72U       | W4MBD      | IT9RDG     | CT3KN      | JH4GJR     |
| KZ5DX      | ER0FEO     | W4RFZ      | JA3DY*     | DF9ZW      | K0FF       |
| LA8WG      | IK8CNT     | W6JTI      | K6YUI      | E73M       | K3XA       |
| NA5DX      | JA2KVD     |            | K9ZM       | EI2JD      | K4JAF      |
| OH1ZK      | JA5FDJ     | <b>134</b> | KO8SCA     | G7VJR      | K4SE       |
| OK1MP*     | K0TV       | CT3HF      | N5ZC       | HK0HEU     | K6LPO      |
| SM5CBM     | K4ZO       | IK4DCS     | N6HY       | JA2FBC     | KG7CW      |



|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| KM4NS      | N8NA       | KD2T       | <b>122</b> | UT4EO      | WC2K       |
| N5KM       | N9DED      | KD4POJ     | G3NDC      | UU2JQ      | ZL4AS      |
| OZ1IKY     | OK3CQD     | NA2U       | HB9DHG     | VA3AYA     |            |
| R9SG       | PA5TT      | PA0TCA     | IC8SQS     | W0QQ       | <b>119</b> |
| S53X       | VE3CX      | UA0BA      | IU0LFQ     | W2GG       | AA3AZ      |
| S55DX      | W8REW      | VA7CRZ     | JA1MRM     | W4UCK      | DK3GG      |
| SV3DCX     | W9ILY      | VE1DUN     | JA2HYD     | W6XI       | DL9OBY     |
| US8UW      | WB2REM     | W2JU       | JR3UIC     | W9XX       | EW4M       |
| VQ9LA      | WD4LBR     | W2RIJ      | K1BZ       | W9YE       | G4DJJ      |
| W2WC       | YU1EXY     | W3FM       | K1ESE      | WA1PMA     | HB9AAQ     |
| W4IS       |            | W6CYX      | K1YT       | WY1G       | HB9BCI     |
| WB0O       | <b>125</b> | W9FI       | K2MP       | XE1VIC     | I2TZK      |
| ZS6UT      | 9A1AD      | WB8K       | K3NF       |            | I4MKN      |
|            | GW3TMP     |            | K7ZA       | <b>120</b> | IK0ZIO     |
| <b>127</b> | HK4SAN     | <b>123</b> | LA7WCA     | 9A5F       | IV3HYD     |
| AC9EM      | IW0HEX     | AC4TO      | LA8PT      | AA5JF      | JA3AZD     |
| HB9EFK     | JA4IYL     | DL7JRD     | N3NR       | AL7TC      | JA4XGC     |
| HK1MW      | JA6VU      | EI2GLB     | N9AW       | DL2VWR     | JE2JMV     |
| IK0LNN     | JE1TSD     | F4GTB      | NN7X       | FG5FR      | JH6CDI     |
| JA1DDH     | JE6UWU     | G4WFQ      | OZ3Y       | HB9BLQ     | K7EG       |
| JA1WLO     | JF2WXS     | G5LP       | RD4A       | IZ0LKV     | K8KWT      |
| JA8RJE     | JH1AGU     | HB0WR      | SP9WZS     | IZ5NFD     | N0KV       |
| JA9KRO     | JI4WAO     | IK2CHZ     | US0YA      | JA4EPE     | N4DJ       |
| JH3AIU     | K1HAP      | JA0CRG     | UU4JMG     | JG3LGD     | N9UA       |
| JS2LHI     | K3FRK      | JA1SJV     | VE3YF      | JR6LLN     | NT2A       |
| K0RW       | K5KG       | JA3MHA     | VE6AX      | K2BA       | NY7T       |
| K3TRM      | KA6BIM     | JA6WJL     | VK4CAG     | K2HK       | OH5NG      |
| KV4T       | KI4WCQ     | JR1EBE     | W0RX       | K3QIA      | OK1DT      |
| N1AC       | KV4AA      | JR2UBS     | W2TB       | K9SG       | R6FFB      |
| N1GC       | LZ1XL      | K2PK       | W3RJW      | KA8ZPE     | SV1ACK     |
| OE8HIK     | N2KA       | K3XO       | WA3I       | KP4AA      | W4HZ       |
| SK7AX      | N3EN       | K4ZIN      | WA7BNG     | N4BAF      | W5JMW      |
| SP6A       | N4JT       | K5GH       | WP3R       | N4LR       | W5QP*      |
| SP7ASZ     | ND5S       | K5JC       |            | N4TB       | XE1RCS     |
| VE7BV      | NW6S       | K6FW       | <b>121</b> | N4UFP      |            |
| W0CP       | OE1AZS     | K7UT       | AA4DD      | NA9Q       | <b>118</b> |
| W0RT       | RA0BA      | K9CS       | AA6RR      | OE3EVA     | 5T5PA      |
| W3BG       | UR9QQ      | N2ED       | AE3T       | OZ2A       | AB2E       |
| W3FOX      | UU7JM      | N4DWK      | DF1DB      | PZ5RA      | DL5OCE     |
| W3MF       | VE3UTT     | N6HC       | DJ8ES      | RL3BZ      | JA1OVD     |
| W8LMG      | W5DAW      | N6MZ       | DK1EI      | SP3PLD     | JA4FHE     |
| XE1KK      | W9CG*      | N9JV       | DK6CQ      | SP7ITB     | J18DGO     |
|            | W9DX       | N9LQ       | IT9AAI     | SV1IW      | JN7DOS     |
| <b>126</b> | WT4Q       | NA2P       | KD8RQE     | UR5IKN     | K3WGR      |
| DG7RO      | WV4TN*     | NA9RB      | KG9Z       | US1CT      | K4CNW      |
| DJ8WD      | YO2RR      | S50B       | N0OK       | W2YR       | K5XM       |
| F8BPN      |            | UA3DK      | N1JP       | W3OA       | K7PI       |
| G4IUF      | <b>124</b> | UT3QU      | N3ND       | W4PRO      | K8LN       |
| JA7KY      | AA7XT      | W1AO       | N4TL       | W6RFL      | K8WVA      |
| JJ1DWT     | AB1OC      | W4NF       | N8PW       | W7RN       | K9FN       |
| K2HAT      | AJ4A       | W8NJR      | SV1AHX     | W8FIB      | KD6UO      |
| K2ZD       | J11DHY     | XE1H       | SV1FKZ     | WA2USA     | KG8CW      |
| K4XU       | K5UZ       |            | UQ1GWW     | WB6CJT     | LZ2HM      |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| N2MM       | W6SL       | K4GHS      | WB2UFF     | DJ1RL      | CU3AN      |
| N5BO       | W8ZR       | K4GK       | WN9O       | DK5RL      | DK2WH      |
| N6MB       |            | K8YTO      | WT9U       | EA1JO      | DK6ED      |
| PY2PA      | <b>116</b> | LY4T       | XE1RBV     | EI5GSB     | DL6JZ      |
| SV9COL     | AJ4F       | N0IRM      | XE3ARV     | EW1DO      | EV1R       |
| TA2RC      | DL7URH     | N4OA       |            | G3XGC      | F6ECI      |
| TZ4AM      | EA5BRE     | N8KOL      | <b>113</b> | HB9CRV     | G4DBN      |
| W1KSZ      | HA7PF      | N9ISN      | 9A1A       | HB9G       | HC1BI      |
| W4DAO      | HB9CEX     | PA3AXU     | DJ5DT      | HI8R       | HL3GOB     |
| W4MAY      | IK0EIE     | RZ6MJ      | DL1HRN     | IK2ANI     | JA1AUD     |
| W4NJ       | IK2OHG     | SP7JLH     | DL8CM      | IU8FRE     | JA1FGB     |
| W5VY       | IK7YZG     | UA1ANA     | DL8DYL     | IZ4DIW     | JA1NCZ     |
| W9HBH      | IT9TQH     | UA1CGS     | DL9GTB     | JA1SXR     | JE8TGI     |
| WX3P       | JA1WTI     | UA6XT      | G4AFJ      | JA7BXS     | K0FLY      |
| YO4AUL     | JE2EHP     | UN6T       | IK8UHA     | JR7TEQ     | K5WAF      |
|            | JH3GCN     | WA8MCD     | JA4ITW     | K0CA*      | K7ORK      |
| <b>117</b> | K0GD       | WV9L       | JH1ORA     | K0JPL      | K9AJ       |
| 9K2OD      | K1DC       | YL2CZ      | JH9DRL     | K1EO       | KM1R       |
| 9Y4VU      | K1RI*      |            | K0TPP      | K1KO       | KZ0X       |
| AB4GE      | K6RO       | <b>114</b> | K8SL       | K4MS       | LA0CX      |
| AE0P       | KT1V       | BA4DW      | KA4RRU     | K4NNX      | N4WJ       |
| BH4IGO     | N2WLG      | BA7IO      | KH6DX      | K4SAF      | N7BD       |
| DL1DWT     | N4IQ       | CT3FN      | KI0G       | K4UAS      | NA1DX      |
| EI8IU      | OZ1LCG     | CU3AK      | KI4DLS     | K8CC       | UR6QA      |
| G3LAS*     | PA0JSE     | DJ9RR      | KT1J       | KB2FCV     | VE6KC      |
| G3PLP      | RV3ID      | DL6NB      | N6PE       | KM1C       | VE7CT      |
| IT9DAA     | UA4PCM     | DL6UAA     | N7KO       | LA8HGA     | VE7UF      |
| JA1HQT     | W1ENE      | F6CWA      | NA3F       | N4ZY*      | W0VHF      |
| JA4FM      | W1WEF      | G3SDL      | NI5F       | N6MA       | W1FO       |
| JA7GYP     | W7GG       | HP3TA      | PY7DJ      | RU4SU      | W4HOG      |
| JA7IC      | W7OEV      | I5OYY      | R7NA       | SM3DMP     | W4OX       |
| JM3GXU     | W8LRO      | JA4BXL     | RA4UN      | UA1ACG     | W5AQ       |
| K2BB       | WA4CEM     | JF2WGN     | RZ3AUL     | UA1CEI     | W7VS       |
| K6PJ       | WQ5L       | JH6WMJ     | SM5ARL     | UT6UD      | W8MIL      |
| K8OOK      |            | K1RV       | SP3EPG     | VE7XF      | W9RB       |
| K8QM       | <b>115</b> | K2DC       | SV1JFV     | W1HEO      | WA1S       |
| KV1J       | C6AGU      | K3MD       | SV2AVP     | W2CVW      | WA2MUA     |
| N2JJ       | CU2CE      | K3OSX      | UN7TW      | W2SKI      | WB9EEE     |
| N4IR       | DL5CL      | K5CD       | VE3KI      | W3UL       | WU2M       |
| N8AA       | DL9GOA     | K5RJ       | W2GW       | W3XY       | YL3DQ      |
| N8XI       | G8BCG      | KB8U       | W6BK       | W4VHF      | YO6HOY     |
| N9HF       | G8DX       | KZ4V       | W8FAX      | W5VX       |            |
| NY4G       | HA5UK      | N1QY       | W9VNE      | W6KK       | <b>110</b> |
| NZ3M       | HK3PJ      | N3MN       | WA2BOT     | W6TC       | AA4UC      |
| OH8LXT     | IZ0CKJ     | NG0G       | WA4DOU     | W8GEX      | BA4MY      |
| ON5UE      | IZ7JVR     | NK5B       | WB2HJV     | W8HMK      | DF1KG      |
| OZ5HP      | JA2KNW     | NU8Z       | WB4TDH     | W9SE       | DL1VDL     |
| SM7BIC     | JA3NHL     | UA3FT      | WS4C       | WA8OLN     | EA5BYP     |
| SP8HKT     | JA5WIZ     | W0VX       | ZL1BYZ     | ZP6CW      | F5BAR      |
| UA6J       | JH1RFM     | W3MR       | ZS1J       |            | G3LNS      |
| UR9IDX     | K0SD       | W4TUN      |            | <b>111</b> | G8AJM      |
| W3ICM      | K1EDG      | WA1FCN     | <b>112</b> | AA4U       | I2BBJ      |
| W4ZRZ      | K4CMS      | WA9YYY     | A92IO      | AF4OX      | IK5RUN     |

|            |            |            |            |            |          |
|------------|------------|------------|------------|------------|----------|
| IZ2EWR     | K5KA       | KN4JX      | JA5EY      | JH2KKW     | DL2AYK   |
| J68HZ      | K5KPE      | KX2A       | JA6OXT     | JH6PFY     | DL4ZAB   |
| JA7EPO     | K6MW       | KZ1W       | JA8JTH     | JJ0NCC     | DL6XK    |
| JE2UFF     | KA9UVY     | LU2DKT     | JH7BKN     | JR0EQQ     | DO1CTL   |
| JH1VHU     | KB9DAK     | LZ3YY      | K1TZQ      | K0DEW      | ES1GO    |
| K2BLA      | KE1F       | N2DPF      | K3SW       | K0LB       | G3YUV    |
| K3JRR      | KL7RA*     | N4MEC      | K3YBN      | K1PX       | HA8FW    |
| K3PH       | N1BZ       | N6RFM      | K8LBT      | K4DSE      | JA1BWA   |
| K4WW       | N4RF       | N9SF       | K8ZR       | K5AM       | JA1JAT   |
| K4YJ       | N7TY       | N9TF       | KE2R       | K5FUV      | JA1TAA   |
| K6MI       | N8NN       | NU4Y       | N2RR       | K5ZQ       | JA6VA    |
| K6VKO      | ND4V       | OH4UI      | N3DAP      | K8JJC      | JA7BME   |
| KB1HY      | NN4RR      | PA0ZH      | N6EE       | KK8X       | JA8RRF   |
| KB4MRX     | NU4I       | R5FY       | N8AGU      | KK9H       | JA9APM   |
| KC2STA     | NX7U       | R7LA       | NA5Q       | KQ3F       | JF1RYU   |
| N2CG       | PY5CC      | RA1OHX     | NE1F       | N0JZ       | JO4CFV   |
| N3HBX      | RW4UU      | RX6DX      | OE1CP      | N2CW       | K1DJ     |
| N3IQ       | RW9QA      | S57J       | OH2OT      | N2SQW      | K2XF     |
| N3JB       | RX3AGD     | SM6AOU     | OK2BUZ     | N3XM       | K5AV     |
| N4KE       | TG9NX      | UX7UN      | OK3CQR     | N8AID      | K6DJ     |
| N9PGG      | UB5ZAL     | UZ6LWZ     | R0FA       | NA5Z       | K7OX     |
| NC6K       | UT7KF      | W2UB       | RN4AA      | NI5M       | K7PO     |
| NK7C       | VU2CPL     | W3NRJ      | RV6ARZ     | NS3L       | K9RO     |
| NY4I       | W1LE       | W4ZYT      | SP3BQD     | OE5CSP     | KI5T     |
| RD9M       | W5WP       | W7ACD      | SP6AXW     | OK1AYU     | KT2E     |
| SM5BHW     | WB5TUF     | W7JET      | US5CB      | OK2BVG     | LZ1JZ    |
| SV1VS      | WN0L       | W8IW       | VE3OI      | PA0GMM     | N4JI     |
| UA3O       | WS1L       | W9NIO*     | VK3NX      | S57AL      | N4NW     |
| US7MM      | YV3AGT     | WA2ALY     | W3KB       | SP5JXK     | N4PL     |
| W0UY       |            | WA8MOA     | W6TDX      | UR3CRO     | N4SC     |
| W4DC       | <b>108</b> | WB8BZK     | W8VK       | UT7UU      | N4VN     |
| W4NE       | AI2Q       | WC1M       | W9CPV      | UU5WW      | N6NU     |
| W5ZPA      | AL7R       | WC6DX      | WA0RVK     | V73AZ      | N7DR     |
| WL7E       | DL6CNG     | WD9EQU     | WB8ART     | VQ9SS      | ND3L     |
| XE1FAS     | ER1LW      | WW1WW      | XE2YWH     | W1CWU      | ON7PQ    |
| YU7AU      | G3VAO      | ZL3RJ      | YL1XZ      | W2EQ       | OZ4AAL   |
| ZL3NW      | HB9BAT     | ZS2DL      |            | W2LE       | PF7M     |
|            | IK0PRG     |            | <b>106</b> | W2NO       | PJ2/K8ND |
| <b>109</b> | IZ0BTV     | <b>107</b> | AA4FL      | W4IR       | PY2DS    |
| EA3GHZ     | JA2MOG     | 4Z5LA      | AE2U       | W5JAY      | R6YY     |
| EU4T       | JH7XPW     | DK3FB      | DF7GG      | W5KI       | RA6AF    |
| F8EZE      | JJ2PIK     | DL1QQ      | DJ6OZ      | W8OP       | RD4WM    |
| G3SVD      | JK1MZT     | DL2CHN     | DL2NOM     | WA4MYO     | SM0CXU   |
| IW0HQE     | K0MD       | DL5XU      | DL3JSW     | WA6TLA     | UA6LCN   |
| JA2CXF     | K1EP       | DO4DXA     | EA1CP      | WQ5W       | UR1RWX   |
| JA7SFD     | K1XM       | EA5AT      | EA3CCN     | YL2GN      | UR2RGN   |
| JE1SYN     | K2KQ       | EA7QW      | HA8DZ      | YU3EF      | VE1PZ    |
| JF2VAX     | K2MK       | FG8OJ      | IW3GJF     |            | VR2MY    |
| JR1BAS     | K4WY       | G4AKY      | JA1VLK     | <b>105</b> | VY2ZM    |
| K2CJ       | K6UT       | G4RGK      | JA2MNB     | DF2PI      | W1LY     |
| K2ONP      | K8OM       | I5IHE      | JE6IGP     | DF8AA      | W1MRH    |
| K4RDU      | KD9HL      | IT9XTP     | JG3HBO     | DJ3XD      | W4OWY    |
| K5FZ       | KM8AM      | JA4EVN     | JG5RVQ     | DJ6KH      | W6FF     |

|            |            |        |            |            |        |
|------------|------------|--------|------------|------------|--------|
| YU1NR      | N9DR       | G4PUQ  | W4AVY      | OK1JDX     | IK5ZUK |
| <b>104</b> | NJ9C       | G4VGO  | W4MZ       | OK3CSQ     | IV3GOW |
| 9M2AX      | NN3Q       | I0OSI  | W4TMR*     | PA7TWO     | IV3KCB |
| AA3LX      | RA1QX      | IZ0BVU | W5THT      | PV8ABC     | IZ6ERS |
| AD1C       | RU3UR      | JA2GQO | W5VU       | PY2DO      | JA1VVX |
| AG4Q       | RZ6DX      | JA2OLJ | W6SZN      | R2AB       | JA2VMU |
| AH0U       | RZ6LB      | JA3FHL | YO7APA     | R3IS       | JA6TMU |
| CP8HD      | SM5CCE     | JA8EJO | <b>102</b> | RU3UN      | JE1PHH |
| CX3CE      | SM7CQY     | JH1DGQ | A6/RV6LNA  | S59DJK     | JF1RPZ |
| DK3BK      | SO5AS      | JM2RUV | CT4BD      | SM6WET     | JH3HGH |
| DL4FAP     | UA9FGJ     | K0EOO  | DK3QM      | SP5MXZ     | JH3PRR |
| DL7UPN     | US5CAO     | K2UVV  | DL1TRK     | T77V       | J13KDH |
| E73D       | UT4EK      | K4LQ   | DL3DXX     | UA1AIR     | K0LW   |
| EA8ZS      | UT7EC      | K5JUC  | DL3NCR     | UA1CKC     | K1YR   |
| EI9E       | UX4UM      | K7BTW  | DL4CW      | UA6HOF     | K2BX   |
| F6AJA      | UY0MM      | K8CCV  | DL4KUG     | UA9MR      | K3SEW  |
| F8GB       | VE3VHB     | K9MUG  | DL5RDI     | UA9UCO     | K5DNL  |
| G3BRD      | W0YBS      | K9XJ   | EA8AKN     | UW7CN      | K5WE   |
| HB9CIP     | W1QA       | KE1IU  | EI4DQ      | VE2FYR     | K6AAW  |
| HK3O       | W3DRY      | KJ4R   | EI6GF      | W0JMP      | K6XJ   |
| IK0DWN     | W3TMZ      | KJ7WY  | ES5RW      | W1AW       | K7AR   |
| IZ4MJP     | W5BK       | KM9E   | F6BWO      | W1PV       | K7IA   |
| JA1SDV     | W5CWQ      | KQ5M   | FM5WD      | W2LW       | K8BN   |
| JA1WSK     | W5GJ       | LX1DA  | HB9AHL     | W2TX       | K8YYY  |
| JA2FGL     | W5RF       | N0RU   | I8LWL      | W3EKT      | K9JU   |
| JF1EGO     | W5ZO       | N1HOQ  | IK4AUY     | W4ALF      | K9PG   |
| JF6WTY     | W6PH       | N8HRZ  | IT9SFT     | W4KK       | KC4PX  |
| JK1BSM     | W7DR       | N9BBQ  | JA0HXV     | W5TO       | KD3UY  |
| JO1WXO     | WA0I       | NU1T   | JA8OW      | W7IUV      | KE1VT  |
| K0WK       | WA3PTF     | OH3GD  | K0YN       | WA0IDK     | KE4S   |
| K1BG       | WA9ETW     | OK1DQT | K1PTF      | WA1SXX     | KF7NN  |
| K2TER      | WW5G       | OK2BQU | K2LP       | WD8DSB     | KN6J   |
| K3FM       | YC0LOW     | OK3BRK | K2TK       | WS4Y       | KQ1F   |
| K4KEW      | YO2CMI     | OZ7JZ  | K3KG       | YO2IS      | KS4XQ  |
| K4MF       | YO5ODE     | R9GM   | K4AQQ      | <b>101</b> | LA2GV  |
| K4VIG      | <b>103</b> | RA0FA  | K4KAY      | AA4NU      | LZ1XZ  |
| K5HK       | AA2VG      | RA4HT  | K4LM*      | AC2AC      | N0STL  |
| K6UM       | AG1I       | RK3QY  | K5ZO       | AC5O       | N2AJ   |
| K7TJR      | AI3Q       | RU3OW  | K7BHM      | CT1JGA     | N5AQ   |
| K9EA       | DJ1MM      | SM3CBR | K7UA       | D44BC      | N8AG   |
| KA2BZS     | DJ3GZ      | SM6EHY | K8BHZ      | DH2FW      | N9JCS  |
| KH6KG/W5   | DJ7PI      | SM7BHH | K8OQL*     | DK9WI      | NX2X   |
| KI0KB      | DL2HX      | UA3PFN | KJ6NZ      | DL1KS      | NZ9Z*  |
| KW0A       | DL8YRM     | US2WU  | KN4KL      | DL3ANK     | OA4TT  |
| LZ2XF      | DM5TI      | UT2AB  | KW4BY      | DL5JS      | OE3WQB |
| N3ER       | DS3HWS     | VA2ZO  | KY6R       | DM3ML      | OH3TY  |
| N3TR       | EA7SG      | VA3IC  | LA3ANA     | EA1WX      | OK1PGF |
| N4GU       | EU6MM      | VE3EDY | LA6UL      | EU1TT      | OK2BOB |
| N4TTE      | EW3LB      | VE3MFA | N0ODK      | G3ZFC      | OK3EY  |
| N6PF       | G3BDQ      | VE3VV  | N5RZ       | G4FJK      | OK4MM  |
| N6WM       | G3OIL      | W0QC   | OH2EA      | GM3WTA     | ON4LG  |
| N8MZ       | G4AAW      | W0UVC  | OK1DTN     | HB9NL      | PA4WM  |
|            |            | W1CTN  |            |            | RA3AH  |

|            |           |         |        |
|------------|-----------|---------|--------|
| RA4P       | DU7ET     | LU5YF   | SV2DSJ |
| RA4SD      | EA2AAZ    | MM0SJH  | TI5CDA |
| RB7GG      | EA3ALD    | N0AH    | UA3AKI |
| RK9F       | EA8AXT    | N0ATQ   | UA4PAY |
| RY6M       | EC5A      | N1GFV   | UA6CEY |
| SM2DMU     | EI3ISB    | N1KI    | UN2G   |
| SM7NDX     | ES5NC     | N1MD    | UN6P   |
| SP9DH*     | FM5GU     | N2CJ    | UR4CW  |
| SV1PL      | G0VXE     | N2SG    | UR4LRG |
| UA0FDX     | G4CGG     | N2XQM   | UR8IDX |
| UG6GAW     | GM3ZSP    | N2ZA    | VE1RGB |
| UR5WIF     | I2VGW     | N3AF    | VE3OAT |
| UR7CQ      | IK0HFO    | N4CRI   | VE7JKZ |
| UT1CC      | IK4MSV    | N4RWG   | VP2VA  |
| UT4IS      | IS0/YO3RA | N4ZR    | VR2PX  |
| UT7HA      | IT9CVO    | N5QS    | W0GYH  |
| VE2OJ      | IW0BYL    | N6PM    | W0MU   |
| VE3ARF     | JA1BRK    | N7TK    | W1AN   |
| VE3XB      | JA1CPU    | N8IL    | W1YRC  |
| VK2GR      | JA1ILA    | N8NB    | W2CCC  |
| W1FC       | JA4FSH    | N8OQ    | W3BBO  |
| W1GF       | JA5DQH    | N9ADG   | W4HHN  |
| W2SF       | JA9CGW    | NA6O    | W4OEP  |
| W3WH       | JF3DRI    | NB3R    | W4OV   |
| W4BUE      | JS6TWW    | NG7A    | W6WA   |
| W4PM       | K0SRL     | NJ3I    | W7BA   |
| W7AV       | K0XM      | NN4SS   | W7DT   |
| W7CB       | K1NA      | NV4B    | W8CNL  |
| W7QC*      | K1NZ      | OE5JDL  | W8FN   |
| W8GB       | K2CBI     | OK1DXD  | W8GDQ  |
| W9MAF      | K2CYE     | OK2PAZ  | WB4SON |
| W9ZCL      | K3TZV     | ON4ANN  | WB8TGY |
| WA3EKL     | K4FT      | ON7EH   | WK4Y*  |
| WB3HLH     | K4KGG     | ON7GB   | YB1TJ  |
| WC4H       | K4KSY     | ON9CC   | YL2SM  |
| WK9U       | K4QS      | OT1A    | YO9FLD |
| WR2G       | K4UQC     | OZ1ZD   | ZP9MCE |
| YO2OXD     | K7VIC     | PA0INA  |        |
| YO6BHN     | K8BZ      | PA7RA   |        |
| YV4DYJ     | K8CR      | R3PJN   |        |
|            | K8CS      | R9JX    |        |
| <b>100</b> | K8LE      | RA3SD   |        |
| 9M6YBG     | K9NZ      | RA4LW   |        |
| A41ZZ      | KB0EL     | RA6XB   |        |
| AA4AK      | KC0V      | RC2A    |        |
| AB4VV      | KC4D      | RN1A    |        |
| AC4VM      | KC4NX     | RT5A    |        |
| AI2S       | KC5LT     | RU3GF   |        |
| DH0GSU     | KD8BZY    | S53MJ   |        |
| DJ6OI      | KN9N      | S59SV   |        |
| DK8MM      | KP4N      | SM5AHK* |        |
| DL1MEV     | LA8W      | SV1FJP  |        |
| DL1TPY     | LU5OM     | SV1VJ   |        |