

## 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 11 Jul 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>326</b><br>EY8MM<br>S50A                                    | <b>317</b><br>I4EAT*<br>K5RK<br>OH3SR<br>W3LPL                                      | I4EWH<br>KJ9I<br>RZ3AM<br>SP2FAX                                          | <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>JA2JPA<br>JA4LXY<br>K4TEA<br>VA3EF                    |
| <b>341</b><br>EA8AK                          | <b>325</b><br>K4PI<br>K9UWA<br>ON4UN*<br>SP5EWY<br>UA2FF       | <b>316</b><br>IK4WMA<br>OG2M<br>PE5T<br>W2VO                                        | <b>310</b><br>RA3CQ<br>SM5BFJ<br>SM6CVX<br>W5IZ                           |                                                                                     | <b>299</b><br>EU7A<br>N1BUG<br>UX1UA<br>W7UT                                          |
| <b>340</b><br>K1ZM                           |                                                                |                                                                                     |                                                                           | <b>304</b><br>DJ0MDR<br>GM3YTS<br>N4JJ*                                             |                                                                                       |
| <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>298</b><br>9A2AJ<br>DF2UU<br>IK2DFZ<br>OE6IMD<br>OZ3PZ<br>RA3DX<br>SM5CEU<br>W0FLS |
| <b>335</b><br>OH2BU<br>R7LV                  | <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>334</b><br>N4WW<br>VE1ZZ*                 | <b>321</b><br>K5NA*<br>SM4HCM<br>WB9Z                          |                                                                                     | <b>307</b><br>CT1EEB<br>DJ7MI<br>VE3EJ                                    | <b>302</b><br>N3XX<br>OE1WEU<br>SM3EVR<br>SP3EPK<br>SV1FJA<br>SV8CS                 | <b>297</b><br>DK5PR<br>N4CC<br>OM2XW<br>W0CD*                                         |
| <b>332</b><br>UR0MC<br>UT7QF                 | <b>320</b><br>K8MFO<br>W8UVZ                                   | <b>313</b><br>OZ7YY                                                                 |                                                                           |                                                                                     |                                                                                       |
| <b>331</b><br>K5UR<br>LZ2DF<br>R4GM<br>UA4CC | <b>319</b><br>N0XA<br>N1DG<br>RA7A<br>SM4CAN<br>UT5UGR<br>W9ZR | <b>312</b><br>OH1MA<br>S54E                                                         | <b>306</b><br>DL4MCF<br>EA6SX<br>K4CIA<br>N4IS<br>SM0AJU<br>WT3Q<br>YU1FW | <b>301</b><br>DL9KR<br>F6BKI<br>JA4DND<br>LZ2JE<br>N1RJ<br>PA3FQA                   | <b>296</b><br>DF3GY<br>DJ2BW*<br>F5NTV<br>G4PWA<br>ON5NT<br>RY9C<br>SP3IBS<br>W1JZ    |
| <b>330</b><br>AA1K<br>HA0DU<br>OH1XX         |                                                                | <b>311</b><br>DF3CB<br>DJ6RX<br>DJ9KG<br>G3PQA<br>I4AVG                             |                                                                           |                                                                                     |                                                                                       |
| <b>329</b><br>K3UL<br>UA4HBW                 | <b>318</b><br>4X4DK                                            |                                                                                     |                                                                           |                                                                                     |                                                                                       |

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| <b>295</b><br>K3UA<br>N0TB<br>WD5COV                                                       | 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                                                 | SV8BHN                                                              | <b>262</b><br>G0DQS<br>K4UEE*<br>KR9U<br>N5KD<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>W0JX<br>WK3N                          | <b>281</b><br>DF2PY<br>IK4DRY<br>JA2PJC<br>K1CP<br>S59Z<br>W4TO                      | <b>275</b><br>9A1CCY<br>F5NBU<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>W1MK          | <b>261</b><br>9A4T<br>DL9YX<br>IV3ODE<br>K2EK<br>K5KC<br>N6SS<br>NO8D<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>G4OBK<br>LU8DPM<br>RW0LT<br>RZ3DX<br>SP5DIR<br>W1GL   | <b>260</b><br>I1FQH<br>K1LT<br>K4DY<br>UT9FJ                                           |
| <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>K3SX<br>N3SL<br>PA0WRS<br>UT7UW<br>W8AV                                   | <b>279</b><br>F6AOJ<br>IK8HJC<br>JR7VHZ<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>EI7BA<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>9A7V<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>UX1AA<br>W0BV                                | <b>278</b><br>DK0EE<br>F6BEE<br>HB9AMO<br>K5DU<br>RU3FM<br>SP9DWT<br>VE2TZT          | <b>272</b><br>9A2EU<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>N8TR<br>RN3CT<br>VE3QAA                                |
| <b>290</b><br>K0KX<br>N8DX<br>UA3AKO<br>US5WE<br>UT1UY                                     | <b>283</b><br>DL7VEE<br>JA5EXW<br>K4SO<br>K8KS<br>K9CT<br>NA0Y<br>NO3M<br>R3OK<br>SM6DHF<br>W2YC | <b>277</b><br>AA4MM<br>DJ9VA<br>DK5WL<br>IK5BAF<br>K1ZZ<br>OH3BU<br>ON7TK            | <b>271</b><br>G4GED<br>JA5AUC<br>KD5M<br>OZ1CTK                                                         | <b>264</b><br>IK2YCW<br>IK5HHA<br>K7ZV<br>N3NT<br>R5AJ<br>SV8CKM    | <b>257</b><br>AA1QD<br>K1GUN<br>K9NW<br>KY7M<br>N4II<br>W3DF<br>W9YSX                  |
| <b>289</b><br>JA3ONB                                                                       |                                                                                                  |                                                                                      | <b>270</b><br>AA1V<br>K6ND<br>OE5KE                                                                     | <b>263</b><br>IZ1ANU<br>K9OW<br>KX4R<br>LA5IIA<br>W2SM<br>W3AP      | <b>256</b><br>9A5CY<br>JA2VPO<br>JA5BZL                                                |

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| K5VRX<br>ON4AOI<br>SV8GFW<br>W1TSP                                                   | NQ1K<br>ON4IQ<br>OZ8BZ<br>YO9HP                                                      | <b>243</b><br>DK2JX<br>DK3DG<br>G8VR<br>JA0CRI<br>ON4ATW<br>S57A<br>W9RPM<br>WX4G                                                                            | K1HTV<br>KH6AT<br>LY3UM<br>RN3QN<br>RU3QR<br>SV1ELF<br>UW5ZM                                                  | W7AO                                                                                                                    | WB6RSE                                                                                                                                |
| <b>255</b><br>K4QL<br>N2MF<br>W3KX<br>W5OZI<br>YL2GD                                 | <b>249</b><br>AI9L<br>SP5DRH                                                         |                                                                                                                                                              |                                                                                                               | <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                                                                                                                          | <b>238</b><br>DL8WN<br>IK0XEZ<br>NI0G<br>RA0FF<br>VO1HP                                                       |                                                                                                                         | <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>K5ZK<br>KA9CFD<br>N4XM<br>N5TY*<br>N7RT<br>NV9L<br>OK1DWJ<br>SP5GRM<br>UA3TT<br>VE1YX<br>VE3NH | <b>237</b><br>DL7MAE<br>K1VW*<br>OM4EX<br>W4YO*                                                               | <b>232</b><br>EA1N<br>FK8CP<br>JA8EAT<br>K2AZ<br>K4XL<br>NI6T<br>UA3AP                                                  | <b>226</b><br>9A8A<br>DL5WW<br>JA6BZI<br>JF2KOZ<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>UR5EDX<br>W2TQC<br>W5XZ | <b>240</b><br>AB4I<br>EA6ET<br>IZ1LBG<br>JR3GWZ<br>K0JUH<br>K0KT<br>K1DG<br>K1FZ<br>K1ZG<br>K9OT<br>LA2XPA<br>UR5MID<br>VO1NA<br>WA7NB                       | <b>236</b><br>JG1ULJ<br>K1JO<br>K5EK<br>K9NR<br>K9ZO<br>KC7V<br>OK2ZI<br>OZ4O<br>SP8AJK                       | <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>JA1GV<br>N9US<br>RL9F<br>RY7G<br>W9XY                         |                                                                                                                                                              | <b>235</b><br>CX6VM<br>DJ5FI<br>EA6VQ<br>JA0FSB<br>JH4ADV<br>K3SWZ<br>N6DX<br>R7DX<br>S51DI<br>VE3DZ<br>VE3XN | <b>230</b><br>JA1CMD<br>N8JV<br>SM3NXS<br>W4GF<br>W4VQ                                                                  | <b>225</b><br>A45XR<br>EU1KY<br>JH7PFD<br>JJ3PRT<br>K1MM<br>K5AB<br>K9FD/KH6*<br>N4CH<br>RA3QK<br>RV1CC<br>RW3XZ<br>VA5DX<br>W7KW     |
| <b>250</b><br>HB9RG<br>IK0XBX<br>K2FF<br>K9RX                                        | <b>244</b><br>AG9S<br>DK6WL<br>F6BLP<br>IZ8FFA<br>JA1HGY<br>OK1CF<br>SV1RK           | <b>239</b><br>AJ6T<br>IK0YUT<br>IW1ARB                                                                                                                       | <b>234</b><br>IK6FWJ<br>JH1HGC<br>K1AR<br>K4UTE<br>KF0QR<br>PY1BVY<br>VE7IG*                                  | <b>229</b><br>CT1FJK<br>DJ4AX<br>E72A<br>I3BUI<br>JA8FKO<br>JI1BEX<br>K4HB<br>KV7K<br>OE5NNN<br>RO7T                    |                                                                                                                                       |

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| <b>224</b><br>N0AV<br>N8BM*<br>SP5INQ<br>VK6VZ<br>W2RQ                                                                       | K4NA<br>K5EJ<br>KA1R<br>VE3EXY                                                                                   | N7JW<br>RA3S<br>W0UO<br>W2LK<br>W6YI<br>WS9V                                                                                   | RU3SD                                                                                                                                                        | US0KW<br>W0LS                                                                                                                   | <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>219</b><br>AD5A<br>IK3VUU<br>JA2FBY<br>K6TA*<br>LA7JO<br>OE8RT<br>RA3WDK<br>SP4K<br>UT7UV<br>WA2UUK           | <b>214</b><br>DL7BA<br>HL3IUA<br>JA2IVK<br>JA2JW<br>K1AM*<br>OK1DX<br>RN7G<br>W4NL                                             | <b>210</b><br>EI2CN<br>I8SAT<br>JJ2LPV<br>K0MN*<br>RV0AR<br>UW7LL<br>W7JW                                                                                    | <b>206</b><br>DF2GH<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>202</b><br>DK2LO<br>DL1MGB<br>DL2KQ<br>DL9DRA<br>HB9DDO<br>JA2JNA<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>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>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>209</b><br>DL5CF<br>DL9MRF<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>204</b><br>9A2NA<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<br>W2HUV<br>WD8PKF<br>WF4U<br>WI8A |
| <b>221</b><br>IZ8VYU<br>JF3KON<br>K8SIX<br>LB8DC<br>N6VR<br>OZ1AXG<br>VE3LYC<br>W1ZK<br>W6JRY<br>WS6X                        | <b>217</b><br>DM5EE<br>JA9PPC<br>JH1IFS<br>K5PC<br>ON6YH<br>UA3AGW<br>YV1DIG                                     | <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>208</b><br>G3NSM<br>I4LCK<br>K2FU<br>LA7HJA<br>N5ORT<br>PY2XB<br>RU3ZX<br>RX3APM<br>SM5JE*<br>UN5J<br>UY1HY<br>W6PJ<br>W9EWZ                              |                                                                                                                                 | <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<br>HB9LCW<br>HL5IVL<br>IV3RAV<br>JR4OZR                                                          | <b>216</b><br>F6DAY<br>K3JGJ<br>N5UL<br>OE1ZL<br>RA1QD<br>RZ0AF<br>W0GJ<br>W6XA<br>WP4U<br>YU3AA                 | <b>211</b><br>EA1RT<br>EA5KA<br>IK4DRR<br>JA4DEN<br>K3WA                                                                       | <b>207</b><br>K1DT<br>K1LPS<br>K3JT<br>K3LR<br>K8EUR<br>K9YY<br>KB8VAO<br>N9AU*                                                                              |                                                                                                                                 | <b>200</b><br>IK0FVC<br>JA1GTF<br>JH2RMU<br>K1GE<br>K8NVR<br>LA5YJ<br>OH2IS<br>RW4NN                                                                                                                                  |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| RW7M       | RA9CMO     | K5XX       | RM0F       | <b>183</b> | N2PK       |
| SP3FAR     | RZ4FO      | K9EU       | W1YM       | IT9INO     | OK1MG      |
| UY0ZG      | W2FCR      | KF7PG      | W6SR       | JA9NLE     | S57UN      |
| W0DD       | WN6W       | N4DB       | W8JV       | K8RRT      | SM4DDE     |
| W3GG       |            | W3UA       | WA6YEE     | K8VC       | SV3FUP     |
|            | <b>195</b> | W8LGJ      |            | N9MB       | W8KEN      |
| <b>199</b> | EA3JL      |            | <b>187</b> | ON6SAS     |            |
| G0BNR      | EA5RM      | <b>191</b> | AJ1H       | W2FP       | <b>178</b> |
| JA2DPC     | G3ZEM      | CT3MD      | K0SR       | W8NW       | 4Z5CX      |
| JA4PXC     | JA1EOD     | HK3W       | K6SRZ      |            | EA3CJ      |
| K6GXO      | JA1XEC     | I1JQJ      | KN5O       | <b>182</b> | JA4MRL     |
| N4DW       | JN7FAH     | K0JGH      | N2NS       | DJ9ON      | JL1SAM     |
| W1TO       | K7SO       | K8FC       | OK1CZ      | DK3UA      | K2UR       |
| W3YQ       | K9RT       | K9LA       | W7AWA      | JA1SHE     | K4RG       |
| YO2DFA     | KF8UN      | RK2FWA     |            | JR7BDQ     | N7XR       |
|            | LA0FA      | WA3C       | <b>186</b> | N3OC       | NE0U       |
| <b>198</b> | N1SV       |            | IK2QPR     | UR3EO      | SM7DLK     |
| DL1ROJ     | W4FC       | <b>190</b> | JA2LCP     | UT5UT*     | SV1JG      |
| G3UJE      | W9OP       | AA1ON      | JA2ZL      |            | W6NWS      |
| G4BUE      |            | CT1FPQ     | K0BJ       | <b>181</b> | W7MEM      |
| I5KKW      | <b>194</b> | IZ8XQC     | K7LAY      | DK3WW      | WC4X       |
| IT9JNR     | JA7JWF     | JA1DUH     | LA9GX      | JA2BDR     | ZS1LS      |
| JA0EOK     | K4KDX      | JA1MCU     | YL2TW      | JA9TWN     |            |
| UT5EL      | K9JF       | K2TE       |            | JG0CQK     | <b>177</b> |
| W8HB       | KB9LIE     | K9KU       | <b>185</b> | JN4MMO     | 9H1SP      |
|            | NE1B       | KB0EO      | AB6QM      | K2EP       | AE5E       |
| <b>197</b> | W2LO       | KB1EFS     | CT1EAV     | LZ2ZG      | CT1GFK     |
| G3SNN      | WD8JJA     | KM1D       | EA6BF      | VE3OSZ     | K3WC       |
| JA0VSH     |            | N4XU       | G3KWK      | W1RM       | K5GKC      |
| JE1BMJ     | <b>193</b> | N5GH       | IK3SWB     |            | K6ZZ       |
| JH1QAX     | CT1IUA     | SM0NJO     | JA3ENN     | <b>180</b> | K9NU       |
| JH2UVL     | DL5ZB      | SP2LNW     | K5ZD       | 4Z5MU      | OK1DWC     |
| K3KO*      | DL6ZXG     | VE7VV      | LA3WAA     | DM2DXA     | PY5EW      |
| LA7AFA     | EA3WD      | W9AJ       | N4TJ       | DM3VL      | SM5FUG     |
| OE4PWW     | HA5BSW     |            | N5UR       | EA8JF      | SM6DHU     |
| OE5FIN     | JA1ANR     | <b>189</b> | OE2BZL     | IK4ADE     | W5LT       |
| ON4CD      | K4ODL      | 9A2F       | SV1DPI     | JE2URF     | W7FI       |
| RZ6FA      | N5LZ       | CT1FMX     | UA9CBO     | K6SSS      | WB7B       |
| SM7GIB     | N9EN       | EA8PP      | W0EWM*     | K7BG       |            |
| UA0SC      | PA0LOU     | FM5CD      |            | LA9AJA     | <b>176</b> |
| W0FS       | RN1ON      | K4CN       | <b>184</b> | N1RR       | EU1AB      |
| W4UM       | RN9N       | SP7HOV     | HA5WA      | N4AH       | G0BLB      |
|            | UA0CA      | UA7T       | IW0SAF     | ON5FP      | I6FLD      |
| <b>196</b> | W0RI*      | W5DM*      | JF1NZW     | SP1MGM     | JA0DET     |
| 4Z4DX      | W9MU       |            | K4HGX      | W2OR       | JA5IU      |
| AA4HP      | WA2VYA     | <b>188</b> | K5KLA      | W7BEM      | JA6BJV     |
| IK4PLW     | WE9R       | AB4IQ      | KB4ET      | W8TN       | JA8KSF     |
| JA3RAR     |            | JA1KQX     | N4OGW      |            | JS3CTQ     |
| K0BBC      | <b>192</b> | JA8DNV     | N9RC       | <b>179</b> | K8MN       |
| K3PA       | AD8P*      | KE9ET      | S57AC      | IT9ELD     | N5OK       |
| K8PO       | JH1RFR     | KL0S       | US8UA      | K0TT       | PE1L       |
| KP2A       | K3FN       | N8LJ       | UT2UB      | K8WK       | RL3FA      |
| ND0N       | K4FJ       | NN2L       | W2YJ       | KI5BLU     | W4BP       |

|                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                  |                                                                                                                                                                                  |                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| W4GD<br>YO7NE                                                                                                                                                                                  | WB0TEV                                                                                                                                                       | N7US<br>RN3OG<br>UT8MM<br>UY5AA<br>W6RW<br>WB3JFS                                                                                                                                   | K1KA<br>K3KY<br>K4JLD<br>K4PB<br>K4WA<br>K4ZYU<br>NY0V<br>RM3DA<br>W0DJC<br>W1RR<br>W8ILC<br>WA8TXT                              | <b>162</b><br>4O3A<br>9A4W<br>F3AT<br>HB9BUN<br>IZ4DPV<br>JA6GIJ<br>JH4ALY<br>JR5JAQ<br>K1CA<br>LB6KC<br>N8MR<br>VE7SL<br>W0HT<br>W0TT<br>W1LW<br>W2XL<br>W8WEJ                  | RU6L<br>UA0FZ<br>UX5UO<br>W1BR<br>W5XC<br>W9RN<br>WX0B                                                                                                                                                  |
| <b>175</b><br>JA1CHN<br>JA1PPW<br>JE3ENP<br>JH2QMT<br>JH7CFX<br>K2KA<br>K4DLI<br>LA5LJA<br>N7IR<br>TF3SG<br>VE3FF<br>W8HC<br>WA9PIE<br>WX0V                                                    | <b>172</b><br>EA7TV<br>G3NKC<br>HB9FMN<br>IZ5MOQ<br>JA3FGJ<br>K0DEQ<br>K1BD<br>K6FG<br>KJ0M<br>W3JX<br>W4FQT<br>WA3AFS                                       | <b>168</b><br>G3MXJ<br>I2ZGC<br>IK2EGL<br>JA6VQA<br>JE7JDL<br>JF2UPM<br>K4XD<br>K5QY<br>K8RYU<br>K9MBQ<br>KR4F<br>N4QQ<br>N8BJQ<br>PA7F<br>SP5GH<br>SP6EQZ<br>W4SVO<br>W6VX<br>W8OI | <b>165</b><br>DL7UCX<br>F6HDH<br>IK0AGU<br>JE7RJS<br>K5JZ<br>KK4CB<br>N4HB<br>N9FN<br>SM4CTT<br>W5BN                             | <b>161</b><br>DK2GZ<br>DL6RAI<br>G4GIR<br>HB9DHK<br>IK0FUX<br>IZ3ENH<br>JA1DOF<br>JE2DZC<br>K5GO<br>K8ND<br>LB2TB<br>N4GN<br>OE5RLM<br>OH6RA<br>VK3HJ<br>WE1P<br>YU2TW<br>ZS5LB* | <b>159</b><br>DL6MRS<br>JA4FKX<br>JL1RUC<br>K4RO<br>OK2ZV<br>UN7JX<br>W3HKK<br>W6BJH<br>W7SX<br>WD5BJT                                                                                                  |
| <b>174</b><br>HB9TKS<br>JA0GJJ<br>JA2XW<br>JA7MOL<br>JF7DZA<br>JK1OPL<br>JR6PGB<br>K1KI<br>K2PLF*<br>K3AJ<br>K4TR<br>K4WS<br>K4XR<br>N1EN<br>OE1WHC<br>RN7F<br>UA3LNM<br>W8UV<br>W8VVG<br>WT8C | <b>171</b><br>AA9D<br>DL6KR<br>G0EHO<br>HA9PP<br>JA6HUG<br>JF1WPB<br>JH6QFJ<br>JR1TNE<br>K1NU<br>K2FL*<br>N0RN<br>N7RO<br>RA3DNC<br>SV1LK<br>SV2AEL<br>W7YAQ | <b>167</b><br>CT1FCX<br>DK5AD<br>EC3A<br>JF2XGF<br>K6KO<br>K8NK<br>N0IJ<br>N3BNA<br>OH2BLD<br>PA3C<br>RA1AOB<br>S51EC<br>W1YW<br>WA4LOX<br>WC5N                                     | <b>164</b><br>GU4YOX<br>HA7UW<br>HB9BZA<br>JA1RTX<br>JA7ZP<br>K1NJ<br>N5WA<br>RA3ZH<br>W4DKS<br>W4NS*<br>WP4G<br>WW3S            | <b>160</b><br>AD5Q<br>DK1WB<br>DL1DA<br>EA3GP<br>HB0CC<br>IW2FND<br>JA2EPW<br>JA9APS<br>JE2OVG<br>JR7MAZ<br>K3MSB<br>K3RA<br>NR4M                                                | <b>158</b><br>DJ4PT<br>DL1FKA<br>E70T<br>HB9HFN<br>HB9SLO<br>JH1TWT<br>J11FXS<br>J11NJC<br>JR1GJP<br>JR3OEH<br>K5TT<br>K9GA<br>KQ4AV<br>OZ1HX<br>RU6M<br>SM4EMO<br>W0SZ<br>W1OX<br>W3GQ<br>W4QN<br>WS5W |
| <b>173</b><br>5B4ALJ<br>JE2LPC<br>JG3IWL<br>K1NTR<br>K9YC<br>N5FG<br>RC9F<br>UN9L<br>VE6WQ<br>W3IP<br>WA5YNB                                                                                   | <b>170</b><br>DJ6TK<br>IK0PEA<br>IT9DSZ<br>JA6JPS<br>JM1GYQ<br>N4PY<br>SP3GTS<br>SV3KH<br>W9EVI<br>WA0MHJ                                                    | <b>166</b><br>4Z1UF<br>AA6AA<br>DJ4SO<br>IV3TDM<br>JA1FNA<br>JA9LJS<br>JH2SON                                                                                                       | <b>163</b><br>9A2JK<br>AA8CH<br>DJ9HX<br>JE2LUN<br>JH4CPC<br>K1USA<br>K7NN<br>K8TL<br>OK2QA<br>RW3RN<br>UR4CWQ<br>VE3CFK<br>W7AL |                                                                                                                                                                                  | <b>157</b><br>AA4H<br>AB9V<br>AC6DD<br>DL4MM<br>EA5BY<br>G3TQZ<br>JA1GHH<br>K0QC<br>LY5A                                                                                                                |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| N3RC       | YS1RR      | DK2OY      | K7HP       | <b>145</b> | <b>143</b> |
| N5MOA      |            | EI9JF      | K8ME       | AF4HX      | DL6EN      |
| NE9Z       | <b>153</b> | F3SG       | LB5WB      | HI3T       | HB9CQK     |
| RU4UR      | AJ9C       | JA6BEE     | NA5C       | IT9ZZO     | IK8GYS     |
| SM3PHM     | CU2AP      | K2AX       | R8TX       | IU0HDC     | IT9BLB     |
| SV8ZS      | DF2RG      | K2FW       | SM6CUK     | JE6TSP     | JH1HHC     |
| W2TA       | DL1DUO     | K8ROX      | UW7UA      | JH4HMG     | K7CMZ      |
| W5GZ       | DL3ZA      | LA6OP      | W0GG       | JH7RXU     | K7CW       |
| W7TVF*     | G3TJW      | N5JB       | W7HPW      | JJ3HGJ     | N2RJ       |
| WS7L       | HL2CFY     | N6PSE      | WB8B       | JK1AJX     | N5UW       |
| YV2IF      | JA2VQF     | OK1ATP     | WD5K       | K3VAT      | N6PAT      |
|            | JA5XAE     | RD3A       | YO3DDZ     | K4OY       | NN4R       |
| <b>156</b> | JF1IRW     | RU3A       |            | K8BL       | VE3CV*     |
| FM5BH      | JH1NYM     | S54A       | <b>148</b> | KF6HI      | W0IZ       |
| IZ8IEV     | JR1XIS     | SP7AWG     | DK2CC      | KR0P       | W6QUV      |
| JE3GRQ     | JR9OPJ     | SV9AHZ     | F5CQ       | N1CGP      | WB8CQV     |
| JO7HAM     | K7SP       | W7CT       | F5PAC      | N4GG       | WB8ZRV     |
| K8YSE      | K8VFX      | W7RH       | G4FTC      | N8OC       | WD9DZV     |
| KD0PO      | LZ1PM      | WA1Z       | IV3VBM     | OE6VIE     |            |
| KS1J       | N4TV       | WA2BCK     | JH1QDB     | RT0F       | <b>142</b> |
| N3UA       | N5TW       |            | N2WB       | SM3DTR     | AB9M       |
| N7WS       | N5XZ       | <b>150</b> | NE3F       | W5ADD      | I5HOR      |
| SP5IWA     | N8II       | EA1AF      | W5FIX*     |            | JA2ATE     |
| SV1CNS     | R9OK       | I0JBL      | W5FKX      | <b>144</b> | JH0BQX     |
| UA3SAQ     | SM6CLU     | IZ0RVI     |            | CU3EQ      | J11DCW     |
| VA3LX      | SP5CCC     | JA1SVP     | <b>147</b> | DL5CW      | JR7WFC     |
| W1YIF      | UT5UY      | JA2NQG     | JA1XQC     | DL5KUA     | K3PP       |
| W4TV       | WB8BPU     | JA9RRH     | JN1BMX     | EI6IZ      | K4WZ       |
|            | WJ4T*      | K0RS       | K8UT       | GM3ITN     | K6EME      |
| <b>155</b> |            | K1OA       | KM1H       | HB9BYQ     | KK1W       |
| DL1RK      | <b>152</b> | K5TR       | N1IBM      | HS0ZEE     | MM0SAJ     |
| DL4SZB     | EW2A       | K5VWW      | PC3T       | I5MXX      | N7QT       |
| K2LS       | HB9RYZ     | K7LV       | W1OP       | IT9GSF     | NA4D       |
| N2ZN       | JT1CO      | K8AJS      | W2KKZ      | IV3DXW     | NQ7R       |
| NE0DX      | K9MK       | KU4XO      | ZS1C       | IZ4GWE     | NY2NY      |
| NW7E       | KS3F       | N3QE       |            | JA3GN      | OK1DO      |
| SM6VR      | N9OY       | N9CO       | <b>146</b> | JE1FQV     | W2OO       |
| UN7LZ      | OH1JP      | OE8SPW     | EU4A       | K0VSH      | W4WT       |
| W2XI       | S55ZZ      | ON6AA      | IV3KFB     | KJ9C       | W5LUA      |
| ZS6EZ      | UA6IGI     | OZ3SK*     | JA1HQG     | KM3T       | W5VQ       |
|            | UT5AB      | SQ5EBM     | JA4DHN     | LA9VFA     | WA5POK     |
| <b>154</b> | VE6LB      | UA6YW      | JH1GNU     | N1IX       |            |
| 3V8SF      | W1SKU      | W4GE       | JR2LJO     | N2WM       | <b>141</b> |
| F5LVL      | W1VT       | W6DAO      | K5KV       | N3KK       | AC9S       |
| GM3PPE     | W2/CT1GIF  | WW2DX      | K5SM       | SM4OLL     | DL5MHQ     |
| JA8NFV     | W2RS*      |            | K7WP       | SM5CLE     | EW1BA      |
| JL1UXH     | W6RLL      | <b>149</b> | N7BT       | W7ZI       | HB9FMT     |
| K0KVR      | W7AJ       | DL7CX      | NJ3K       | W8GNM      | JA1PTJ     |
| KR2Q       | W9JJB      | IK4FNF     | RU0SN      | W8RLS      | JH4JNG     |
| NX8Y       | WB3CQM     | JL1ARF     | W1IZL      | WC5M       | K2RW       |
| RN3TT      |            | K3TN       | W1ZT       | WD5T       | K9GWH      |
| W1NA       | <b>151</b> | K4YYL      |            | YO3CD      | SV3FUO     |
| W5DNT      | AA7G       | K6NR       |            |            | W1AX*      |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| W2CG       | DK8YY      | UT3UZ      | N9MR*      | W4RBO      | NA4EA      |
| W3BW       | DM2RM      | UW8SM      | N9RS       | W4WM       | NO9E       |
| W4JVN      | EI9FBB     | W1EQ       | OE1TKW     | W5SL       | OZ2ABI     |
| W4VIC      | F6DDR      | W1OPD      | ON4CAS     | W7AH       | R5QA       |
| W8HW       | IK8EPC     | W2OIB      | PY5HOT     | W7CD       | R9AB       |
|            | JA3OOK     | WB7QXU     | RG6G       | W9FR       | RU1AO      |
| <b>140</b> | JF3LOP     |            | RX4HW      | WB3D       | S51NM      |
| 9A1CAL     | JK1EXO     | <b>135</b> | SM0BYD     | XE2S       | TA1CM      |
| HB9FAN     | K1RO       | 5B4MF      | UA0ACG     | ZS1A       | VE3DO      |
| JA0GCI     | KJ6P       | AG1A       | UA9OR      |            | W2MPK      |
| JA4OK      | KZ5DX      | BA4RF      | W4JKC      | <b>131</b> | W9ZT       |
| K5WK       | NA5DX      | DJ9ZB      | YU1AM      | DK7YY      |            |
| K6KLY      | OZ8X       | DL9FCY     |            | HS1NGR     | <b>129</b> |
| KF8DX      | PY5EG      | F6FXU      | <b>133</b> | JA0AOO     | HB9AZZ     |
| N4XP       | RW4CY      | IK2SGB     | 9K2NO      | JA2TBS     | JA1NWD     |
| OH6NIO     | UN7JID     | IZ7EVZ     | EU1U       | JG1DUZ     | JA8JO      |
| ON7DR      | V51B       | JA7LGE     | G3UHU      | JH4ADK     | JH3CUL     |
| UN1L       | W1GD       | JA7LMZ     | G4XEE      | J14POR     | K6XM       |
| VE6SV      | W2YE       | JA8BNP     | IK5DNF     | JJ1TEA     | K8DV       |
| W0SEI      | W4YV       | JA8JL      | IZ8DFO     | JM1FHL     | LB7ZG      |
| W4NU       | W7OM       | K1ZE       | JA6CBG     | K1UU       | N0YY       |
| W7IV       |            | K4TT       | JA7GLB     | K9DR       | N2BJ       |
| W8LWU      | <b>137</b> | K4ZRJ      | JA9AGN     | KC2LSD     | N3KS       |
| WO2T       | EA1YO      | K7FL       | JR6FC      | KH2L       | N3RR       |
| YL2MU      | GM3YOR     | K7XB       | JR7FRW     | KM3V       | PA3EWP     |
| YO9FNP     | HB9IQB     | KX4TT      | K2CDJ      | KM4H       | SM3BCS*    |
|            | IZ2FOS     | NZ9R       | K6SIK      | N3MK       | W0YVA      |
| <b>139</b> | JA3APU     | R3VA       | KU2A       | N4QWZ      | W7QHE      |
| DF7EE      | K2QMF      | R7LP       | OE1KM      | N5PHT*     | W8MET      |
| DJ4XA      | K8NS       | RK2M       | RA5BM      | N6RK       | W8MK       |
| DL5EBE     | RA3CO      | RN3RQ      | UQ2PZ      | ON4ON      |            |
| DL8OH      | RG7G       | SM3LGO     | VE3WT      | R0SR       | <b>128</b> |
| DS1JFY     | UU1JA      | SM5CZK     | W0NFL      | R9MJ       | AA4SC      |
| JA1TMG     | W1ITU      | SP3XR      | W2QO       | R9SA       | JA1XCZ     |
| K2RET      | W5ODD      | SV5DKL     | W5AJ       | W7JY*      | JA2AHH     |
| K3ANS      | WB5JID     | UB3A       | W6RKC      | W8DCH      | JA2KSP     |
| K6AM       | WE4S       | W1DIG      |            | W8KA       | JA4KDT     |
| K8GI       |            | W2GD       | <b>132</b> |            | JA9AA      |
| K8RF       | <b>136</b> | W4BUW      | AA4NC      | <b>130</b> | JE1LFX     |
| KA8SYV     | E72U       | W4MBD      | AD6W       | CT3KN      | JH4GJR     |
| KU0A       | ER0FEO     | W4RFZ      | IK3VBB     | DF9ZW      | K0FF       |
| LA8WG      | IK8CNT     | W6DR       | IT9RDG     | E73M       | K3XA       |
| OH1ZK      | JA2KVD     | W6JTI      | JA3DY*     | EI2JD      | K4JAF      |
| OK1MP*     | JA5FDJ     |            | K6YUI      | G7VJR      | K4SE       |
| SM5CBM     | K0TV       | <b>134</b> | K9ZM       | HK0HEU     | K6LPO      |
| SP6JIU     | K4ZO       | CT3HF      | KO8SCA     | IK3XJP     | KG7CW      |
| SV8ZC      | K7TM       | HA1RB      | N5ZC       | JA2FBC     | KM4NS      |
| W0SD       | KR6C       | IK4DCS     | N6HY       | JN1RQV     | N5KM       |
| W9XQ*      | OK1DW      | K1TO       | OZ2RH      | K2MYR      | N9RD       |
| WA8WV      | SM3GQP     | K1ZN       | SM4BZH     | K3NK       | OE3SGU     |
|            | SM5OJH     | K3OX       | SM6BGG     | K7LFY      | OZ1IKY     |
| <b>138</b> | SP2BMX     | K5VIP      | VE3CRG     | K8BCK      | R9SG       |
| DK8MCT     | SP6M       | KS4YT      | W4AXL      | K9GL       | S53X       |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| S55DX      | VE3CX      | VA7CRZ     | K1BZ       | W9XX       | DL9OBY     |
| SV3DCX     | W8REW      | VE1DUN     | K1ESE      | W9YE       | EW4M       |
| US8UW      | W9ILY      | W2JU       | K1YT       | WA1PMA     | G4DJJ      |
| VQ9LA      | WB2REM     | W2RIJ      | K2MP       | WY1G       | HB9AAQ     |
| W2WC       | WD4LBR     | W3FM       | K3NF       | XE1VIC     | HB9BCI     |
| W4IS       | YU1EXY     | W6CYX      | K7ZA       |            | I2TZK      |
| WB0O       |            | WB8K       | LA7WCA     | <b>120</b> | I4MKN      |
| ZS6UT      | <b>125</b> |            | LA8PT      | 9A5F       | IK0ZIO     |
|            | 9A1AD      | <b>123</b> | N3NR       | AA5JF      | IV3HYD     |
| <b>127</b> | GW3TMP     | AC4TO      | N9AW       | AL7TC      | JA3AZD     |
| AC9EM      | HK4SAN     | DL7JRD     | NN7X       | DJ8ES      | JA4XGC     |
| HB9EFK     | IW0HEX     | EI2GLB     | OZ3Y       | DL2VWR     | JE2JMV     |
| HK1MW      | JA4IYL     | F4GTB      | RD4A       | FG5FR      | JH6CDI     |
| IK0LNN     | JA6VU      | G4WFFQ     | SP9WZS     | HB9BLQ     | K7EG       |
| JA1DDH     | JE1TSD     | G5LP       | US0YA      | IZ0LKV     | K8KWT      |
| JA1WLO     | JE6UWU     | HB0WR      | UU4JMG     | IZ5NFD     | N0KV       |
| JA8RJE     | JF2WXS     | IK2CHZ     | VE3YF      | JA4EPE     | N4DJ       |
| JA9KRO     | JH1AGU     | JA0CRG     | VE6AX      | JG3LGD     | N9UA       |
| JH3AIU     | JI4WAO     | JA1SJV     | VK4CAG     | JR3UIC     | NT2A       |
| JS2LHI     | K1HAP      | JA3MHA     | W2TB       | JR6LLN     | NY7T       |
| K0RW       | K3FRK      | JA6WJL     | W3RJW      | K2BA       | OH5NG      |
| K3TRM      | K5KG       | JR1EBE     | WA3I       | K2HK       | OK1DT      |
| KV4T       | KA6BIM     | JR2UBS     | WA7BNG     | K3QIA      | R6FFB      |
| N1AC       | KI4WCQ     | K2PK       | WP3R       | K9SG       | SV1ACK     |
| N1GC       | KV4AA      | K3XO       |            | KA8ZPE     | W4HZ       |
| OE8HIK     | LZ1XL      | K4ZIN      | <b>121</b> | N4BAF      | W5JMW      |
| SK7AX      | N2KA       | K5GH       | AA4DD      | N4LR       | W5QP*      |
| SP6A       | N3EN       | K5JC       | AA6RR      | N4TB       | W8FIB      |
| SP7ASZ     | N4JT       | K6FW       | AE3T       | N4UFP      | XE1RCS     |
| VE7BV      | ND5S       | K7UT       | DF1DB      | NA9Q       |            |
| W0CP       | NW6S       | K9CS       | DK1EI      | OE3EVA     | <b>118</b> |
| W0RT       | OE1AZS     | N2ED       | DK6CQ      | OZ2A       | 5T5PA      |
| W3BG       | RA0BA      | N4DWK      | IT9AAI     | PZ5RA      | AB2E       |
| W3FOX      | UU7JM      | N6MZ       | JA2HYD     | RL3BZ      | DL5OCE     |
| W3MF       | VE3UTT     | N9JV       | KD8RQE     | SP3PLD     | JA1OVD     |
| W8LMG      | W5DAW      | N9LQ       | KG9Z       | SP7ITB     | JA4FHE     |
| XE1KK      | W9CG*      | NA2P       | N0OK       | SV1IW      | J18DGO     |
|            | W9DX       | NA9RB      | N1JP       | UR5IKN     | JN7DOS     |
| <b>126</b> | WT4Q       | S50B       | N3ND       | US1CT      | K3WGR      |
| DG7RO      | WV4TN*     | UA3DK      | N4TL       | W0RX       | K4CNW      |
| DJ8WD      | YO2RR      | UR9QQ      | N6HC       | W2YR       | K5XM       |
| F8BPN      |            | UT3QU      | N8PW       | W3OA       | K7PI       |
| G4IUF      | <b>124</b> | W1AO       | SV1AHX     | W4PRO      | K8LN       |
| JA7KY      | AA7XT      | W4NF       | SV1FKZ     | W6RFL      | K8WVA      |
| JJ1DWT     | AB1OC      | W8NJR      | UQ1GWW     | W7RN       | K9FN       |
| K2HAT      | AJ4A       | XE1H       | UT4EO      | WA2USA     | KD6UO      |
| K2ZD       | J11DHY     |            | UU2JQ      | WB6CJT     | KG8CW      |
| K4JKB      | K5UZ       | <b>122</b> | VA3AYA     | WC2K       | LZ2HM      |
| K4XU       | KD2T       | G3NDC      | W0QQ       | ZL4AS      | N2MM       |
| N8NA       | KD4POJ     | HB9DHG     | W2GG       |            | N5BO       |
| N9DED      | NA2U       | IC8SQS     | W4UCK      | <b>119</b> | N6MB       |
| OK3CQD     | PA0TCA     | IU0LFQ     | W6XI       | AA3AZ      | PY2PA      |
| PA5TT      | UA0BA      | JA1MRM     | W9FI       | DK3GG      | SV9COL     |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| TA2RC      | HB9CEX     | N8KOL      | DJ5DT      | IK2ANI     | JA1FGB     |
| TZ4AM      | IK0EIE     | PA3AXU     | DL8CM      | IU8FRE     | JA1NCZ     |
| W1KSZ      | IK2OHG     | RZ6MJ      | DL8DYL     | IZ4DIW     | JE8TGI     |
| W4DAO      | IK7YZG     | SP7JLH     | DL9GTB     | JA1SXR     | K0FLY      |
| W4NJ       | IT9TQH     | UA1ANA     | G4AFJ      | JA7BXS     | K5WAF      |
| W5VY       | JA1WTI     | UA1CGS     | IK8UHA     | JR7TEQ     | K7ORK      |
| W9HBH      | JE2EHP     | UA6XT      | JA4ITW     | K0CA*      | K9AJ       |
| WX3P       | JH3GCN     | UN6T       | JH1ORA     | K0JPL      | KM1R       |
| YO4AUL     | K0GD       | WV9L       | JH9DRL     | K1EO       | KP4AA      |
|            | K1DC       | YL2CZ      | K0TPP      | K1KO       | KZ0X       |
| <b>117</b> | K1RI*      |            | K8SL       | K4NNX      | LA0CX      |
| 9K2OD      | K6RO       | <b>114</b> | KA4RRU     | K4SAF      | N4WJ       |
| 9Y4VU      | KT1V       | BA4DW      | KH6DX      | K4UAS      | N7BD       |
| AB4GE      | KV1J       | BA7IO      | KI0G       | K8CC       | NA1DX      |
| AE0P       | N2WLG      | CT3FN      | KI4DLS     | KB2FCV     | UR6QA      |
| BH4IGO     | N4IQ       | CU3AK      | KT1J       | KM1C       | VE6KC      |
| DL1DWT     | NZ3M       | DJ9RR      | N6PE       | LA8HGA     | VE7CT      |
| EI8IU      | OZ1LCG     | DL6NB      | N7KO       | N4ZY*      | VE7UF      |
| G3LAS*     | PA0JSE     | DL6UAA     | N9ISN      | N6MA       | W0VHF      |
| G3PLP      | RV3ID      | F6CWA      | NA3F       | RU4SU      | W1FO       |
| IT9DAA     | UA4PCM     | G3SDL      | NI5F       | SM3DMP     | W4HOG      |
| JA1HQT     | W1ENE      | HP3TA      | PY7DJ      | UA1ACG     | W4OX       |
| JA4FM      | W1WEF      | I5OYY      | R7NA       | UA1CEI     | W5AQ       |
| JA7GYP     | W7GG       | JA4BXL     | RA4UN      | UT6UD      | W7VS       |
| JA7IC      | W7OEV      | JF2WGN     | RZ3AUL     | VE7XF      | W8MIL      |
| JM3GXU     | W8LRO      | JH6WMJ     | SM5ARL     | W1HEO      | W9RB       |
| K2BB       | WA4CEM     | K1RV       | SP3EPG     | W2CVW      | WA1S       |
| K6PJ       | WQ5L       | K2DC       | SV1JFV     | W2SKI      | WA2MUA     |
| K8OOK      |            | K3MD       | SV2AVP     | W3UL       | WB9EEE     |
| K8QM       | <b>115</b> | K3OSX      | UN7TW      | W3XY       | WU2M       |
| N2JJ       | C6AGU      | K5CD       | VE3KI      | W4VHF      | YL3DQ      |
| N4IR       | CU2CE      | K5RJ       | W2GW       | W5VX       | YO6HOY     |
| N8AA       | DL5CL      | KB8U       | W6BK       | W6KK       |            |
| N8XI       | DL9GOA     | KZ4V       | W8FAX      | W6TC       | <b>110</b> |
| N9HF       | G8BCG      | N1QY       | W9VNE      | W8GEX      | BA4MY      |
| NY4G       | G8DX       | N3MN       | WA2BOT     | W8HMK      | DF1KG      |
| OH8LXT     | HA5UK      | NG0G       | WA4DOU     | W9SE       | DL1VDL     |
| ON5UE      | HK3PJ      | NK5B       | WB2HJV     | WA8OLN     | EA5BYP     |
| OZ5HP      | IZ0CKJ     | NU8Z       | WB2UFF     | ZP6CW      | F5BAR      |
| SM7BIC     | IZ7JVR     | UA3FT      | WB4TDH     |            | G3LNS      |
| SP8HKT     | JA2KNW     | W0VX       | WS4C       | <b>111</b> | G8AJM      |
| UA6J       | JA3NHL     | W3MR       | ZL1BYZ     | AA4U       | I2BBJ      |
| UR9IDX     | JA5WIZ     | W4TUN      |            | AF4OX      | IK5RUN     |
| W3ICM      | JH1RFM     | WA1FCN     | <b>112</b> | CU3AN      | IZ2EWR     |
| W4ZRZ      | K0SD       | WA8MCD     | A92IO      | DK2WH      | J68HZ      |
| W6SL       | K1EDG      | WA9YYY     | DJ1RL      | DK6ED      | JA7EPO     |
| W8ZR       | K4CMS      | WN9O       | DK5RL      | DL1HRN     | JE2UFF     |
|            | K4GHS      | WT9U       | EA1JO      | EV1R       | JH1VHU     |
| <b>116</b> | K4GK       | XE1RBV     | EW1DO      | F6ECI      | K2BLA      |
| AJ4F       | K8YTO      | XE3ARV     | G3XGC      | G4DBN      | K3JRR      |
| DL7URH     | LY4T       |            | HB9CRV     | HC1BI      | K3PH       |
| EA5BRE     | N0IRM      | <b>113</b> | HB9G       | HL3GOB     | K4WW       |
| HA7PF      | N4OA       | 9A1A       | HI8R       | JA1AUD     | K4YJ       |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| K6MI       | ND4V       | R5FY       | N6EE       | K5ZQ       | JA7BME     |
| K6VKO      | NN4RR      | R7LA       | N8AGU      | K8JJC      | JA8RRF     |
| KB4MRX     | NU4I       | RA1OHX     | NA5Q       | KK8X       | JA9APM     |
| KC2STA     | NX7U       | RX6DX      | NE1F       | KK9H       | JF1RYU     |
| N2CG       | PY5CC      | S57J       | OE1CP      | KQ3F       | JO4CFV     |
| N3HBX      | RW4UU      | SM6AOU     | OH2OT      | N0JZ       | K1DJ       |
| N3IQ       | RW9QA      | UX7UN      | OK2BUZ     | N2CW       | K2XF       |
| N3JB       | RX3AGD     | UZ6LWZ     | OK3CQR     | N2SQW      | K5AV       |
| N4KE       | TG9NX      | W2UB       | R0FA       | N3XM       | K6DJ       |
| N9PGG      | UB5ZAL     | W3NRJ      | RN4AA      | N8AID      | K7OX       |
| NC6K       | UT7KF      | W4ZYT      | RV6ARZ     | NA5Z       | K7PO       |
| NK7C       | VU2CPL     | W7ACD      | SP3BQD     | NI5M       | K9RO       |
| NY4I       | W5WP       | W7JET      | SP6AXW     | NS3L       | KI5T       |
| RD9M       | WB5TUF     | W8IW       | US5CB      | OE5CSP     | KT2E       |
| SM5BHW     | WN0L       | W9NIO*     | VE3OI      | OK1AYU     | LZ1JZ      |
| SV1VS      | YV3AGT     | WA2ALY     | VK3NX      | OK2BVG     | N4JI       |
| UA3O       |            | WA8MOA     | W3KB       | S57AL      | N4NW       |
| US7MM      | <b>108</b> | WB8BZK     | W4MAY      | SP5JXK     | N4PL       |
| W0UY       | AA4UC      | WC1M       | W6TDX      | UR3CRO     | N4SC       |
| W4DC       | AI2Q       | WC6DX      | W8VK       | UT7UU      | N4VN       |
| W4NE       | AL7R       | WD9EQU     | W9CPV      | UU5WW      | N6NU       |
| W5ZPA      | DL6CNG     | WW1WW      | WA0RVK     | V73AZ      | N7DR       |
| WL7E       | ER1LW      | ZL3RJ      | WB8ART     | VQ9SS      | ND3L       |
| XE1FAS     | G3VAO      | ZS2DL      | WS1L       | W1CWU      | ON7PQ      |
| YU7AU      | HB9BAT     |            | XE2YWH     | W2EQ       | OZ4AAL     |
| ZL3NW      | IK0PRG     | <b>107</b> | YL1XZ      | W2LE       | PF7M       |
|            | IZ0BTV     | 4Z5LA      |            | W2NO       | PJ2/K8ND   |
| <b>109</b> | JA2MOG     | DK3FB      | <b>106</b> | W4IR       | PY2DS      |
| EA3GHZ     | JJ2PIK     | DL1QQ      | AA4FL      | W5JAY      | R6YY       |
| EU4T       | JK1MZT     | DL2CHN     | AE2U       | W5KI       | RA6AF      |
| F8EZE      | K0MD       | DL5XU      | DJ6OZ      | W8OP       | RD4WM      |
| G3SVD      | K1EP       | DO4DXA     | DL2NOM     | WA4MYO     | SM0CXU     |
| IW0HQE     | K1XM       | EA5AT      | DL3JSW     | WA6TLA     | UA6LCN     |
| JA2CXF     | K2KQ       | EA7QW      | DL6JZ      | WQ5W       | UR1RWX     |
| JA7SFD     | K2MK       | FG8OJ      | EA1CP      | YL2GN      | UR2RGN     |
| JE1SYN     | K4WY       | G4AKY      | EA3CCN     | YU3EF      | VE1PZ      |
| JF2VAX     | K6UT       | G4RGK      | HA8DZ      |            | VR2MY      |
| JR1BAS     | K8OM       | I5IHE      | IW3GJF     | <b>105</b> | VY2ZM      |
| K2CJ       | KD9HL      | IT9XTP     | JA1VLK     | DF2PI      | W1LE       |
| K2ONP      | KM8AM      | JA4EVN     | JA2MNB     | DF8AA      | W1LY       |
| K4RDU      | KN4JX      | JA5EY      | JE6IGP     | DJ3XD      | W1MRH      |
| K5FZ       | KX2A       | JA6OXT     | JG3HBO     | DJ6KH      | W4OWY      |
| K5KA       | KZ1W       | JA8JTH     | JG5RVQ     | DL2AYK     | W6FF       |
| K5KPE      | LU2DKT     | K1TZQ      | JH2KKW     | DL4ZAB     | YU1NR      |
| K6MW       | LZ3YY      | K3SW       | JH6PFY     | DL6XK      |            |
| KA9UVY     | N2DPF      | K3YBN      | JJ0NCC     | DO1CTL     | <b>104</b> |
| KB9DAK     | N4MEC      | K4MS       | JR0EQQ     | ES1GO      | 9M2AX      |
| KE1F       | N6RFM      | K8LBT      | K0DEW      | G3YUV      | AA3LX      |
| KL7RA*     | N9SF       | K8ZR       | K0LB       | HA8FW      | AD1C       |
| N1BZ       | N9TF       | KB1HY      | K1PX       | JA1BWA     | AG4Q       |
| N4RF       | NU4Y       | KE2R       | K4DSE      | JA1JAT     | AH0U       |
| N7TY       | OH4UI      | N2RR       | K5AM       | JA1TAA     | CP8HD      |
| N8NN       | PA0ZH      | N3DAP      | K5FUV      | JA6VA      | CX3CE      |

|          |            |        |            |            |        |
|----------|------------|--------|------------|------------|--------|
| DK3BK    | SO5AS      | JM2RUV | <b>102</b> | SM6WET     | JH3HGH |
| DL4FAP   | UA9FGJ     | K0EOO  | A6/RV6LNA  | SP5MXZ     | JH3PRR |
| DL7UPN   | US5CAO     | K2UVV  | CT4BD      | T77V       | JH7BKN |
| E73D     | UT4EK      | K4LQ   | DK3QM      | UA1AIR     | J13KDH |
| EA8ZS    | UT7EC      | K5JUC  | DL3DXX     | UA1CKC     | K0LW   |
| EI9E     | UX4UM      | K7BTW  | DL3NCR     | UA6HOF     | K1YR   |
| F6AJA    | UY0MM      | K8CCV  | DL4CW      | UA9MR      | K2BX   |
| F8GB     | VE3VHB     | K9MUG  | DL4KUG     | UA9UCO     | K3SEW  |
| G3BRD    | W0YBS      | K9XJ   | DL5RDI     | UW7CN      | K5DNL  |
| HB9CIP   | W1QA       | KE1IU  | EA8AKN     | VE2FYR     | K5WE   |
| HK3O     | W3DRY      | KJ4R   | EI4DQ      | W0JMP      | K6AAW  |
| IK0DWN   | W3TMZ      | KJ7WY  | EI6GF      | W1AW       | K6XJ   |
| IZ4MJP   | W5BK       | KM9E   | ES5RW      | W1PV       | K7AR   |
| JA1SDV   | W5CWQ      | KQ5M   | F6BWO      | W2LW       | K7IA   |
| JA2FGL   | W5GJ       | LX1DA  | FM5WD      | W2TX       | K8BN   |
| JF1EGO   | W5RF       | N0RU   | HB9AHL     | W3EKT      | K8YYY  |
| JF6WTY   | W5ZO       | N1HOQ  | I8LWL      | W4ALF      | K9JU   |
| JH7XPW   | W6PH       | N8HRZ  | IK4AUY     | W4KK       | K9PG   |
| JK1BSM   | W7DR       | N9BBQ  | IT9SFT     | W5TO       | KC4PX  |
| JO1WXO   | WA0I       | NU1T   | JA0HXV     | W7IUV      | KD3UY  |
| K0WK     | WA3PTF     | OH3GD  | JA8OW      | WA0IDK     | KE1VT  |
| K1BG     | WA9ETW     | OK1DQT | K0YN       | WA1SXX     | KE4S   |
| K2TER    | WW5G       | OK2BQU | K1PTF      | WD8DSB     | KF7NN  |
| K3FM     | YC0LOW     | OK3BRK | K2LP       | WS4Y       | KN6J   |
| K4KEW    | YO2CMI     | OZ7JZ  | K2TK       | YO2IS      | KQ1F   |
| K4MF     | YO5ODE     | R9GM   | K3KG       |            | KS4XQ  |
| K4VIG    |            | RA0FA  | K4AQQ      | <b>101</b> | LA2GV  |
| K5HK     | <b>103</b> | RA4HT  | K4KAY      | AA4NU      | LZ1XZ  |
| K6UM     | AA2VG      | RK3QY  | K4LM*      | AC2AC      | N0STL  |
| K7TJR    | AG1I       | RU3OW  | K5ZO       | AC5O       | N2AJ   |
| K9EA     | AI3Q       | SM3CBR | K7BHM      | CT1JGA     | N5AQ   |
| KA2BZS   | DJ1MM      | SM6EHY | K7UA       | D44BC      | N8AG   |
| KH6KG/W5 | DJ3GZ      | SM7BHH | K8BHZ      | DH2FW      | N9JCS  |
| KI0KB    | DJ7PI      | UA3PFN | K8OQL*     | DK9WI      | NX2X   |
| KW0A     | DL2HX      | US2WU  | KJ6NZ      | DL1KS      | NZ9Z*  |
| LZ2XF    | DL8YRM     | UT2AB  | KN4KL      | DL3ANK     | OA4TT  |
| N3ER     | DM5TI      | VA2ZO  | KW4BY      | DL5JS      | OE3WQB |
| N3TR     | DS3HWS     | VA3IC  | KY6R       | DM3ML      | OH3TY  |
| N4GU     | EA7SG      | VE3EDY | LA3ANA     | EA1WX      | OK1PGF |
| N4TTE    | EU6MM      | VE3MFA | LA6UL      | EU1TT      | OK2BOB |
| N6PF     | EW3LB      | VE3VV  | N0ODK      | G3ZFC      | OK3EY  |
| N6WM     | G3BDQ      | W0QC   | N5RZ       | G4FJK      | OK4MM  |
| N8MZ     | G3OIL      | W0UVC  | OH2EA      | GM3WTA     | ON4LG  |
| N9DR     | G4AAW      | W1CTN  | OK1DTN     | HB9NL      | PA4WM  |
| NJ9C     | G4PUQ      | W4AVY  | OK1JDX     | IK5ZUK     | RA3AH  |
| NN3Q     | G4VGO      | W4MZ   | OK3CSQ     | IV3GOW     | RA4P   |
| PA0GMM   | I0OSI      | W4TMR* | PA7TWO     | IV3KCB     | RA4SD  |
| RA1QX    | IZ0BVU     | W5THT  | PV8ABC     | IZ6ERS     | RB7GG  |
| RU3UR    | JA2GQO     | W5VU   | PY2DO      | JA1VVX     | RK9F   |
| RZ6DX    | JA2OLJ     | W6SZN  | R2AB       | JA2VMU     | RY6M   |
| RZ6LB    | JA3FHL     | YO7APA | R3IS       | JA6TMU     | SM2DMU |
| SM5CCE   | JA8EJO     |        | RU3UN      | JE1PHH     | SM7NDX |
| SM7CQY   | JH1DGQ     |        | S59DJK     | JF1RPZ     | SP9DH* |

|            |           |         |        |
|------------|-----------|---------|--------|
| SV1PL      | ES5NC     | N1MD    | UN6P   |
| UA0FDX     | FM5GU     | N2CJ    | UR4CW  |
| UG6GAW     | G0VXE     | N2SG    | UR4LRG |
| UR5WIF     | G4CGG     | N2XQM   | UR8IDX |
| UR7CQ      | GM3ZSP    | N2ZA    | VE1RGB |
| UT1CC      | I2VGW     | N3AF    | VE3OAT |
| UT4IS      | IK0HFO    | N4CRI   | VE7JKZ |
| UT7HA      | IK4MSV    | N4RWG   | VP2VA  |
| VE2OJ      | IS0/YO3RA | N4ZR    | VR2PX  |
| VE3ARF     | IT9CVO    | N5QS    | W0GYH  |
| VE3XB      | IW0BYL    | N6PM    | W0MU   |
| VK2GR      | JA1BRK    | N7TK    | W1AN   |
| W1FC       | JA1CPU    | N8IL    | W1YRC  |
| W1GF       | JA1ILA    | N8NB    | W2CCC  |
| W2SF       | JA4FSH    | N8OQ    | W3BBO  |
| W3WH       | JA5DQH    | N9ADG   | W4HHN  |
| W4BUE      | JA9CGW    | NA6O    | W4OEP  |
| W4PM       | JF3DRI    | NB3R    | W4OV   |
| W7AV       | JS6TWW    | NG7A    | W6WA   |
| W7CB       | K0SRL     | NJ3I    | W7BA   |
| W7QC*      | K0XM      | NN4SS   | W7DT   |
| W8GB       | K1NA      | NV4B    | W8CNL  |
| W9MAF      | K1NZ      | OE5JDL  | W8FN   |
| W9ZCL      | K2CBI     | OK1DXD  | W8GDQ  |
| WA3EKL     | K2CYE     | OK2PAZ  | WB4SON |
| WB3HLH     | K3TZV     | ON4ANN  | WB8TGY |
| WC4H       | K4FT      | ON7EH   | WK4Y*  |
| WK9U       | K4KGG     | ON7GB   | YB1TJ  |
| WR2G       | K4KSY     | ON9CC   | YL2SM  |
| YO2OXD     | K4QS      | OT1A    | YO9FLD |
| YO6BHN     | K4UQC     | OZ1ZD   | ZP9MCE |
| YV4DYJ     | K7VIC     | PA0INA  |        |
| ZS1J       | K8BZ      | PA7RA   |        |
|            | K8CR      | R3PJN   |        |
| <b>100</b> | K8CS      | R9JX    |        |
| 9M6YBG     | K8LE      | RA3SD   |        |
| A41ZZ      | K9NZ      | RA4LW   |        |
| AA4AK      | KB0EL     | RA6XB   |        |
| AB4VV      | KC0V      | RC2A    |        |
| AC4VM      | KC4D      | RN1A    |        |
| AI2S       | KC4NX     | RT5A    |        |
| DH0GSU     | KC5LT     | RU3GF   |        |
| DJ6OI      | KD8BZY    | S53MJ   |        |
| DK8MM      | KN9N      | S59SV   |        |
| DL1MEV     | KP4N      | SM5AHK* |        |
| DL1TPY     | LA8W      | SV1FJP  |        |
| DL1TRK     | LU5OM     | SV1VJ   |        |
| DU7ET      | LU5YF     | SV2DSJ  |        |
| EA2AAZ     | MM0SJH    | TI5CDA  |        |
| EA3ALD     | N0AH      | UA3AKI  |        |
| EA8AXT     | N0ATQ     | UA4PAY  |        |
| EC5A       | N1GFV     | UA6CEY  |        |
| EI3ISB     | N1KI      | UN2G    |        |