

## 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 27 Jun 2025, there were 340 current entities on the list. The DXCC Honor Roll includes those who are within 9 entities of that figure for the Mixed, Phone, CW and RTTY awards. The following listing of the DXCC membership contains the call signs and exact credited totals by endorsement level. Awards are NOT activated automatically; participants must apply to have a particular award (band, mode etc) activated when the qualifying number of credits is obtained. "Inactive" members (whose most recent DXCC application was before 1994-01-01 and who are not a current ARRL member) are shown in gray.

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

|                                               |                                                      |                                                                                   |                                                                  |                                                                              |
|-----------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------|
| <b>344</b><br>W8LRL                           | <b>325</b><br>K9UWA<br>UA2FF                         | <b>315</b><br>IK4WMA<br>K5RK<br>N1DG<br>OH3SR<br>S50U<br>W1JR                     | <b>309</b><br>W5IZ                                               | YU1FW                                                                        |
| <b>341</b><br>EA8AK                           | <b>324</b><br>K2TQC<br>K4PI<br>OH2BO<br>S50A<br>W1NG | <b>314</b><br>IK4GME<br>NX4D<br>OK3GU<br>OZ1LO<br>PE5T<br>RW2A<br>UA4CR           | <b>308</b><br>I4EWH<br>IK4MGP<br>IV3PRK<br>K4SV<br>K8GG<br>UT3UA | <b>302</b><br>DL4MCF<br>GM3YTS                                               |
| <b>340</b><br>K1ZM                            | <b>323</b><br>EY8MM<br>SP5EWY                        | <b>313</b><br>GM3POI<br>OE3GCU<br>OG2M<br>OZ7YY                                   | <b>307</b><br>DJ7MI<br>N4RJ<br>OH5VT<br>VE3EJ                    | <b>301</b><br>DL9KR<br>F6BKI<br>LZ2JE<br>N1RJ<br>N3XX<br>SP3EPK<br>SV8JE     |
| <b>339</b><br>W4DR<br>W4ZV                    | <b>322</b><br>UX0UN<br>W3UR                          | <b>312</b><br>OH1MA<br>S54E                                                       | <b>306</b><br>EA6SX<br>K4CIA<br>SM0AJU<br>WT3Q                   | <b>300</b><br>G0JHC<br>G3KMA<br>I2ZFD<br>JA4LXY<br>PA3FQA<br>SM3EVR<br>VA3EF |
| <b>335</b><br>OH2BU                           | <b>321</b><br>WB9Z                                   | <b>311</b><br>DF3CB<br>DJ6RX<br>DJ9KG<br>G3PQA<br>KJ9I<br>RA7A<br>RZ3AM<br>SP2FAX | <b>305</b><br>JA7NI<br>K4ZW<br>N4IS<br>NN4T<br>UA6A              | <b>299</b><br>JA4DND<br>K4TEA<br>N1BUG<br>OE1WEU<br>SV1FJA<br>UX1UA<br>W7UT  |
| <b>334</b><br>N4WW                            | <b>320</b><br>K8MFO<br>SM4HCM<br>W8UVZ               | <b>310</b><br>I4AVG<br>RA3CQ<br>SM5BFJ<br>SM6CVX                                  | <b>304</b><br>CT1EEB<br>DJ0MDR<br>SM3GSK                         | <b>298</b><br>9A2AJ<br>DF2UU<br>IK2DFZ<br>OE6IMD<br>OZ3PZ<br>SM5CEU          |
| <b>333</b><br>R7LV                            | <b>319</b><br>N0XA<br>SM4CAN                         |                                                                                   |                                                                  |                                                                              |
| <b>332</b><br>UR0MC                           | <b>318</b><br>4X4DK<br>UT5UGR<br>W9ZR                |                                                                                   |                                                                  |                                                                              |
| <b>331</b><br>K5UR<br>LZ2DF                   | <b>317</b><br>W3LPL                                  |                                                                                   |                                                                  |                                                                              |
| <b>330</b><br>AA1K<br>HA0DU<br>OH1XX<br>UT7QF | <b>316</b><br>W2VO                                   |                                                                                   |                                                                  |                                                                              |
| <b>329</b><br>K3UL<br>UA4HBW                  |                                                      |                                                                                   |                                                                  |                                                                              |
| <b>328</b><br>R4GM<br>UA4CC                   |                                                      |                                                                                   |                                                                  |                                                                              |

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| <b>297</b><br>DK5PR<br>JA2JPA<br>N4CC<br>OM2XW<br>RA3DX<br>W0FLS                                     | <b>289</b><br>I5NPH<br>JA3ONB<br>K0KX<br>K4WM<br>N8DX<br>RX4HZ<br>US4EX                    | <b>282</b><br>DL1YD<br>I0WDX<br>K8KS<br>K9CT<br>N2LT<br>NJ6P<br>SM6CTQ<br>UY5ZZ<br>W0BV<br>W2YC | OK1AWZ<br>VE2TZT                                                                               | <b>268</b><br>DL5DSM<br>G3WPH<br>K8PT<br>RA3XDX<br>SP9JZU<br>W1MK        |
| <b>296</b><br>DF3GY<br>F5NTV<br>G4PWA<br>ON5NT<br>RY9C<br>W1JZ                                       | <b>288</b><br>PA3GCV<br>SL0ZG<br>SP7VC<br>UA4LY<br>US5WE<br>W0JX<br>WK3N                   | <b>281</b><br>DF2PY<br>HB9BIN<br>JA2PJC<br>K1CP<br>S59Z<br>W4TO                                 | <b>275</b><br>9A1CCY<br>F5NBU<br>I2AOX<br>IK4CIE<br>K2UO<br>K4IQJ<br>OH3BU<br>SP6AEG<br>UW2ZM  | <b>267</b><br>LU8DPM<br>RZ3DX                                            |
| <b>295</b><br>K3UA<br>SV8CS                                                                          | <b>287</b><br>CT1APE<br>DL1RWN<br>G3XTT<br>N2QT<br>RK4FD<br>VA3DX<br>W4PK                  | <b>280</b><br>EA6NB<br>SP6HEQ<br>YO3APJ                                                         | <b>274</b><br>G3TXF<br>K1ZZ<br>KF2O<br>W6UB                                                    | <b>266</b><br>G4OBK<br>NR1R<br>R3LA<br>W8TE<br>W8XD                      |
| <b>294</b><br>DL1AMQ<br>JH2FXK<br>LA5HE<br>RJ3AA<br>WD5COV                                           | <b>286</b><br>DJ2YA<br>IK1GPG<br>K3SX<br>N3SL<br>PA0WRS<br>UA3AB<br>UT7UW<br>W8AV          | <b>279</b><br>IK4DRY<br>JR7VHZ<br>N2TK<br>N5DG<br>SM6CNN<br>SP5CJQ<br>UA6MF                     | <b>273</b><br>IK8HJC<br>JA8ISU<br>K2CL<br>K5BG<br>MD0CCE<br>RA3DA<br>SM6CCO<br>UA3DPM<br>UX1AA | <b>265</b><br>AA4V<br>AA6YQ<br>AA7A<br>K4XP<br>RW0LT<br>SV8BHN<br>YO5BRZ |
| <b>293</b><br>N0TB<br>S58T                                                                           | <b>285</b><br>G4CCZ<br>HB9BGV<br>UR5WA                                                     | <b>278</b><br>DK0EE<br>F6BEE<br>IK6DLK<br>JA3FYC<br>K5DU<br>KG4W<br>RU3FM                       | <b>272</b><br>9A2EU<br>CT1EKY<br>DL1DUL<br>DL2OE<br>OH1LEU<br>SP6CIK                           | <b>264</b><br>EI7BA<br>IK2YCW<br>K7ZV<br>W1GL                            |
| <b>292</b><br>G4BWP<br>JH4UYB<br>JR2KDN<br>OZ1BTE<br>SM5AQD<br>SP3IBS<br>SV1AOZ<br>W3YX<br>W8TOP     | <b>284</b><br>K5XI<br>SP3DV                                                                | <b>277</b><br>AA4MM<br>DJ9VA<br>F6AOJ<br>HB9AMO<br>IK5BAF<br>ON7TK<br>SP9DWT                    | <b>271</b><br>EU7A<br>G4GED<br>OZ1CTK<br>SM5KNV                                                | <b>263</b><br>IZ1ANU<br>K9OW<br>KX4R<br>LA5IIA<br>N3NT<br>W2SM<br>W3AP   |
| <b>291</b><br>9A7V<br>IZ0AEG<br>KD9SV<br>R7NW<br>SM3NRY<br>SM6CMU<br>SP3E<br>UA3LAR<br>UT7UJ<br>W5ZN | <b>283</b><br>DL7VEE<br>JA5EXW<br>JH4IFF<br>K4SO<br>N7NR<br>NA0Y<br>NO3M<br>R3OK<br>SM6DHF | <b>276</b><br>DK5WL<br>G3LZQ<br>N8RR<br>N9IW                                                    | <b>270</b><br>AA1V<br>JA5AUC<br>OE5KE                                                          | <b>262</b><br>G0DQS<br>IK5HHA<br>KR9U<br>W1YY                            |
| <b>290</b><br>UA3AKO                                                                                 |                                                                                            |                                                                                                 | <b>269</b><br>K6ND<br>KD5M<br>LA3MHA<br>RV3LO<br>W1ZC                                          | <b>261</b><br>9A4T<br>DL9YX<br>K2EK<br>K5KC<br>N6SS<br>NO8D<br>SP1S      |

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| SP5DIR                                                                                     | S58Q<br>UA1OMS<br>W0YG                                                                                            | <b>246</b><br>DJ2TI<br>F2JD<br>JF8QNF<br>N6TR<br>TF4M<br>W2TQC<br>W5XZ                                                             | <b>240</b><br>EA6ET<br>G8VR<br>JA5MHD<br>K0JUH<br>K1FZ<br>K1ZG<br>K9OT<br>KA9CFD<br>LA2XPA<br>UR5MID<br>VO1NA | N6DX<br>OK1CF<br>R7DX<br>VE3XN<br>WA7NS                                                             |
| <b>260</b><br>EA5BM<br>K1LT<br>K4DY                                                        | <b>252</b><br>EA1DR<br>IV3YYK<br>JA2VPO<br>JF2MBF<br>JG3QZN<br>JQ3DUE<br>ON4AOI<br>PA4VHF<br>R5DT<br>S52F<br>W3UM | <b>245</b><br>DL4CF<br>JA1GV<br>K2FF<br>N9US<br>RL9F<br>RY7G<br>W9XY                                                               | <b>239</b><br>JR3GWZ<br>K0KT<br>K1DG<br>K1HTV<br>KH6AT<br>LY3UM<br>NV9L<br>RN3QN<br>RU3QR<br>SV1ELF<br>SV1RK  | <b>234</b><br>AJ6T<br>IZ8FFA<br>JA0FSB<br>K1AR<br>K4UTE<br>KF0QR<br>PY1BVY<br>S51DI                 |
| <b>259</b><br>DF4PL<br>F6GCP<br>G3ZSS<br>I1FQH<br>R9FM                                     | <b>251</b><br>DJ7RD<br>DL9RT<br>I1EIS<br>JH0BBE<br>K9NW<br>N4II<br>PY2RO<br>W5UN<br>W7LR                          | <b>244</b><br>AG9S<br>DK6WL<br>F6BLP<br>IK0XBX<br>JA1HGY<br>JA7QVI<br>ON4IQ                                                        | <b>238</b><br>DL8WN<br>IK0XEZ<br>JA0DAI<br>RA0FF<br>VO1HP<br>W3LL                                             | <b>233</b><br>K0CS<br>K2UU<br>KA7T<br>SK3PY<br>UA4HAU<br>VA2WA<br>W1TC<br>W7AO<br>WA7NB             |
| <b>258</b><br>KW9A<br>N2NL<br>N5KD<br>RN3CT<br>VE3QAA                                      | <b>250</b><br>HB9RG<br>NQ1K<br>OZ8BZ                                                                              | <b>243</b><br>DK2JX<br>DK3DG<br>IK0MHR<br>ON4ATW<br>S57A<br>W9RPM<br>WX4G                                                          | <b>237</b><br>DL7MAE<br>NI0G<br>OM4EX<br>UR5EDX                                                               | <b>232</b><br>DJ5FI<br>EA1N<br>FK8CP<br>JA8EAT<br>JG1ULJ<br>JH1HGC<br>K2AZ<br>K4XL<br>NI6T<br>UA3AP |
| <b>257</b><br>K1GUN<br>N8TR<br>W9YSX                                                       | <b>249</b><br>AB3CV<br>AI9L<br>JR3IIR<br>K9RX<br>SP5DRH                                                           | <b>242</b><br>EA4KD<br>KG7H<br>SV8CKM                                                                                              | <b>236</b><br>AB4I<br>AC4G<br>K1JO<br>K9NR<br>K9ZO<br>KC7V<br>OK2ZI<br>OZ4O<br>SP8AJK                         | <b>231</b><br>4X4NJ<br>HA9RE<br>IK0YUT<br>N6AR<br>N7NG<br>ON4ACG<br>W9IXX                           |
| <b>256</b><br>9A5CY<br>JA5BZL<br>JH1GZE<br>K1QX<br>K5VRX<br>K8FL<br>PA7MM<br>W1TSP<br>W3DF | <b>248</b><br>K3WW<br>K5RX<br>SM3VAC<br>SV8GFW<br>T77C<br>UT9FJ<br>W9NGA                                          | <b>241</b><br>JA0CRI<br>JA1SYY<br>JA3EMU<br>K5ZK<br>N4XM<br>N5TY*<br>N7RT<br>OE2LCM<br>OK1DWJ<br>SP5GRM<br>UA3TT<br>VE1YX<br>VE3NH | <b>235</b><br>CX6VM<br>EA6VQ<br>JH4ADV<br>K3SWZ<br>K5EK                                                       | <b>230</b><br>DF6PB<br>JA1CMD<br>KD0Q<br>N8JV<br>SM3NXS<br>W4GF<br>W4VQ                             |
| <b>255</b><br>IV3ODE<br>K4QL<br>KY7M<br>N2MF<br>R5AJ<br>UX0FF<br>VK4MA<br>W3KX<br>W5OZI    | <b>247</b><br>K0IEA<br>K6XT<br>NN4X<br>NO2R<br>R7IA<br>WB3AVN<br>YO9HP                                            |                                                                                                                                    |                                                                                                               |                                                                                                     |
| <b>254</b><br>N0AT<br>OM3DX<br>WA4FFW                                                      |                                                                                                                   |                                                                                                                                    |                                                                                                               |                                                                                                     |
| <b>253</b><br>5B4AGN<br>AA1QD<br>K5ESW                                                     |                                                                                                                   |                                                                                                                                    |                                                                                                               |                                                                                                     |

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| <b>229</b><br>CT1FJK<br>DJ4AX<br>JA8FKO<br>JI1BEX<br>OE5NNN<br>RO7T                                                        | VA5DX<br>W7KW                                                                                    | JA2FBY<br>JA2FJP<br>JF3KON<br>KV7K<br>LA7GIA<br>LB8DC<br>OE8RT<br>RA3WDK<br>SP4K<br>UT7UV<br>WA2UUK                    | K4NA<br>OK1DX<br>RN7G<br>W4NL                                                                                                                   | DL9MRF<br>EU1KY<br>HB9CXZ<br>HB9DDZ<br>JA0UUA<br>N9LB<br>VE1DX<br>VE3LYC<br>W0ZR<br>W7KNT<br>W9OO                            |
| <b>228</b><br>AF9H<br>AI0O<br>E72A<br>K4HB<br>N2WK<br>OH2BEN<br>UW5ZM<br>VE3DZ                                             | <b>224</b><br>DL5WW<br>IZ1LBG<br>MM0EAX<br>N0AV<br>N8BM*<br>SP5INQ<br>SP7GAQ<br>VK6VZ<br>W2RQ    | <b>218</b><br>DJ4PI<br>DK0PM<br>IK1YDB<br>JA8CDT<br>K0EU<br>K5UO<br>UT4MF<br>W5PJR                                     | <b>213</b><br>DF2IS<br>EI3IO<br>HA1RW<br>JA2IVK<br>JF6DSZ<br>K1ST<br>LA4GHA<br>LA7JO<br>NA2M*<br>RU4SO<br>W0LYI<br>W1FJ<br>W2WG<br>W3YY<br>WS9V | <b>208</b><br>G3NSM<br>I4LCK<br>JA9FPI<br>JF4VZT<br>K2FU<br>K5RT<br>N5ORT<br>RU3ZX<br>UN5J<br>UY1HY<br>W6PJ<br>W9EWZ         |
| <b>227</b><br>DL7HU<br>ES1RA<br>IK0HBN<br>IK6FWJ<br>JA1UQP<br>JA2NDQ<br>JA9CHI<br>K1FK<br>K3NW<br>W9BF<br>WB6RSE           | <b>223</b><br>AB0X<br>DJ8NK<br>HA7TM<br>JH2TPI<br>RT6T<br>SV2JAO<br>ZS4TX                        | <b>217</b><br>DM5EE<br>JH1IFS<br>K5PC<br>ON6YH<br>UA3AGW                                                               | <b>212</b><br>AA9A<br>DL9GFB<br>F6DAY<br>JH0INP<br>K4MQG<br>K8ZH<br>KE9I<br>KG6I<br>N1ZZ<br>N4MM<br>NX0I<br>OZ1AXG<br>SM5CZQ<br>W1ECT<br>WB9CIF | <b>207</b><br>IZ8FWN<br>K1DT<br>K1LPS<br>K3JT<br>K8EUR<br>N9AU*<br>PY2BW<br>W0LS                                             |
| <b>226</b><br>I3BUI<br>JA6BZI<br>JF2KOZ<br>JR6EZE<br>K9FD*<br>N6JV<br>ON4GG<br>US0SY<br>UT5JAJ<br>VE6WZ<br>W0VTT           | <b>222</b><br>IV3JVJ<br>K3SV<br>K6EID<br>K8FH<br>K8ZTT<br>N5AW<br>N5JR<br>N8PR<br>N9BX<br>SM0CCM | <b>216</b><br>JA6LCJ<br>JA9PPC<br>K5EJ<br>N4PQX<br>N5UL<br>OE1ZL<br>RZ0AF<br>W0GJ<br>W6XA<br>YO7LCB<br>YU3AA<br>YV1DIG | <b>211</b><br>EA1RT<br>IK4DRR<br>JA4DEN<br>K3WA<br>RU3SD<br>UR5FEO<br>WA5VGI                                                                    | <b>206</b><br>IK0IOL<br>JA3PIS<br>K2VV<br>K3LR<br>K5AQ<br>K5MC<br>K8AC<br>KG9N<br>N8DJX<br>PY2XB<br>SM6BZV<br>US0KW<br>VE3BW |
| <b>225</b><br>A45XR<br>IW1ARB<br>JH7PFD<br>K1MM<br>K5AB<br>K9FD/KH6*<br>N4CH<br>RA3QK<br>RV1CC<br>RW3XZ<br>SP3CGK<br>SP8NR | <b>221</b><br>JA2WYN<br>K4MWB<br>K8SIX<br>N6VR<br>W1ZK<br>W6JRY<br>WS6X                          | <b>215</b><br>AD5A<br>K3JGJ<br>N7JW<br>RA1QD<br>W0UO<br>W2LK<br>W6YI                                                   | <b>210</b><br>I8SAT<br>JA7MSQ<br>JJ2LPV<br>UW7LL<br>W7JW                                                                                        | <b>205</b><br>F6EXV<br>I4KDJ<br>JA3AAW<br>KA9FOX<br>LA7HJA                                                                   |
|                                                                                                                            | <b>220</b><br>AG8B<br>DK2NG<br>HB9LCW<br>HL5IVL<br>JJ3PRT<br>JR4OZR<br>KA1R<br>N1LN<br>VE3EXY    | <b>214</b><br>DL7BA<br>HL3IUA<br>IZ8VYU<br>JA2JW                                                                       | <b>209</b><br>DL5CF                                                                                                                             |                                                                                                                              |
|                                                                                                                            | <b>219</b><br>IK3VUU                                                                             |                                                                                                                        |                                                                                                                                                 |                                                                                                                              |

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| W8UN<br>WB8ZRL                                                                                                                                                                                              | <b>201</b><br>CU2DX<br>DL1EJA<br>JF1PUW<br>JO7WXN<br>K3HP<br>N4QS<br>W0MHK<br>W5TCX                                                         | UA0SC<br>UT5EL<br>W0FS                                                                                                               | N9EN<br>PA0LOU<br>RN1ON<br>UA0CA<br>W9MU<br>WA2VYA                                                                                           | AB4IQ<br>CT1FMX<br>JA1KQX<br>KB0EO<br>KB1EFS<br>KE9ET<br>KL0S<br>N8LJ<br>RM0F<br>W6SR<br>W8JV<br>WA3C<br>WA6YEE                               |
| <b>204</b><br>DJ5AV<br>EA5KA<br>F4BKV<br>IK7NXM<br>JA9NFO<br>K4JJW<br>KK4SI<br>LX2A<br>N4NX<br>N7FU<br>UA0SR<br>US6EX<br>W2HUV<br>WD8PKF<br>WF4U<br>WI8A                                                    | <b>200</b><br>AG4W<br>G0OIL<br>JA1GTF<br>JH2RMU<br>K1GE<br>K1GG<br>K9US<br>LA5YJ<br>RW4NN<br>RW7M<br>UY0ZG<br>W0DD<br>W1NT<br>W2IRT<br>W3GG | <b>196</b><br>4Z4DX<br>AA4HP<br>IK4PLW<br>JA3RAR<br>JA4PXC<br>K8PO<br>KP2A<br>ND0N<br>RA9CMO<br>RZ4FO<br>W2FCR<br>W4UM               | <b>192</b><br>9A2NA<br>CT1IUA<br>JA7JWF<br>JH1RFR<br>K3FN<br>K4FJ<br>K5XX<br>K7GM<br>K9EU<br>KF7PG<br>N4DB<br>OH2IS<br>W3UA<br>W3YQ<br>W8LGJ | <b>187</b><br>AJ1H<br>K0SR<br>K6SRZ<br>KN5O<br>LA0FA<br>N2NS<br>OK1CZ<br>SM0NJO<br>W7AWA                                                      |
| <b>203</b><br>JA2XYO<br>JE1PNX<br>K4XO<br>K9MMS<br>KK2I<br>OH1TV<br>PA0A<br>R6AF<br>W7DO<br>W8GC                                                                                                            | <b>199</b><br>DK2LO<br>G0BNR<br>HB9DDO<br>JA2DPC<br>K6GXO<br>KB8VAO<br>N4DW<br>W1TO<br>YO2DFA                                               | <b>195</b><br>EA3JL<br>EA5RM<br>G3ZEM<br>JA1EOD<br>JH1QAX<br>JN7FAH<br>K3PA<br>K7SO<br>K9RT<br>KF8UN<br>N1SV<br>NK1K<br>W5ZG<br>W9OP | <b>191</b><br>JA1ANR<br>K0JGH<br>K8FC<br>K9LA<br>NE1B<br>RK2FWA                                                                              | <b>186</b><br>9A8A<br>IK2QPR<br>JA8DNV<br>K0BJ<br>K7LAY<br>W1YM<br>YL2TW                                                                      |
| <b>202</b><br>AA5AM<br>DL1MGB<br>DL2KQ<br>DL9DRA<br>JA2JNA<br>JA3CSZ<br>JA5AQC<br>JH3VNC<br>JI2KXK<br>K2NV<br>K9YY<br>LY1G<br>N5ZM<br>N7KA<br>OK1DOT<br>R9TO<br>RA3S<br>SM2OAN<br>UA9FAR<br>WA2HZO<br>ZL3IX | <b>198</b><br>DL1ROJ<br>G3UJE<br>G4BUE<br>IT9JNR<br>RX3APM<br>W8HB                                                                          | <b>194</b><br>K4KDX<br>K9JF<br>KB9LIE<br>KC9ARR<br>LA7AFA<br>SM7GIB<br>W2LO<br>W4FC<br>WD8JJA<br>WN6W                                | <b>190</b><br>IZ8XQC<br>JA1DUH<br>JA1MCU<br>K0BBC<br>K2TE<br>K9KU<br>KM1D<br>N4XU<br>N5GH<br>SP2LNW<br>VE7VV<br>WE9R<br>XE2X                 | <b>185</b><br>AB6QM<br>CT1EAV<br>EA6BF<br>G3KWK<br>IK3SWB<br>JA2LCP<br>K5ZD<br>LA3WAA<br>N4TJ<br>N5UR<br>OE2BZL<br>SP3FAR<br>SV1DPI<br>UA9CBO |
|                                                                                                                                                                                                             | <b>197</b><br>G3SNN<br>I5KKW<br>IK0FVC<br>JE1BMJ<br>JH2UVL<br>K8NVR<br>OE4PWW<br>OE5FIN<br>ON4CD<br>RZ6FA                                   | <b>193</b><br>DF2GH<br>DK1FW<br>DL5ZB<br>DL6ZXG<br>EA3WD<br>HA5BSW<br>JA0EOK<br>JA1XEC<br>K4ODL<br>N5LZ                              | <b>189</b><br>9A2F<br>EA8PP<br>FM5CD<br>JA0VSH<br>SP7HOV<br>UA7T                                                                             | <b>184</b><br>HA5WA<br>JA2ZL<br>JF1NZW<br>K4HGX<br>K5KLA<br>KB4ET                                                                             |
|                                                                                                                                                                                                             |                                                                                                                                             |                                                                                                                                      | <b>188</b><br>AA1ON                                                                                                                          |                                                                                                                                               |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| S57AC      | OK1MG      | PE1L       | <b>171</b> | N4QQ       |
| US8UA      | S57UN      | SP1MGM     | AA9D       | N8BJQ      |
| W2YJ       | SM4DDE     | TF3SG      | DL6KR      | PA7F       |
| <b>183</b> | SV3FUP     | VE3FF      | G0EHO      | SP5GH      |
| CT3MD      | W8KEN      | W8HC       | HA9PP      | W4SVO      |
| IT9INO     | <b>178</b> | WX0V       | JA6HUG     | W6VX       |
| K4CN       | 4Z5CX      | <b>174</b> | JR1TNE     | W8OI       |
| K8VC       | EA3CJ      | 4Z5MU      | K1NU       | WA0MHJ     |
| N9MB       | JA4MRL     | JA0GJJ     | LA5LJA     | WA5YNB     |
| NN2L       | K2UR       | JA1PPW     | N0RN       |            |
| ON6SAS     | NE0U       | JA2XW      | N4OGW      | <b>167</b> |
| W2FP       | SM7DLK     | JA7MOL     | N7RO       | DK5AD      |
| W8NW       | SV1JG      | JF7DZA     | N9RC       | EC3A       |
| <b>182</b> | W6NWS      | JK1OPL     | RA3DNC     | EI6FR      |
| DJ9ON      | W7MEM      | JR6PGB     | SV1LK      | JA6VQA     |
| DK3UA      | ZS1LS      | K0TT       | UN9L       | K6KO       |
| HK3W       | <b>177</b> | K1KI       | WA9PIE     | K8NK       |
| JA1SHE     | 9H1SP      | K2KA       | <b>170</b> | K9MBQ      |
| JA3ENN     | AE5E       | K3AJ       | DJ6TK      | N0IJ       |
| K8RRT      | CT1GFK     | K4TR       | JA6JPS     | N3BNA      |
| N3OC       | IK4ADE     | K4WS       | JE3ENP     | PA3C       |
| UR3EO      | K3WC       | N1EN       | JF1WPB     | RA1AOB     |
| <b>181</b> | K4RG       | OE1WHC     | JM1GYQ     | RN9N       |
| DK3WW      | K9NU       | RN7F       | K6ZZ       | S51EC      |
| JN4MMO     | SM6DHU     | UA3LNM     | KI5BLU     | VE6WQ      |
| K2EP       | W2OR       | W8UV       | N4PY       | W1YW       |
| LZ2ZG      | W5LT       | W8VVG      | SP3GTS     | WA4LOX     |
| VE3OSZ     | W7FI       | WT8C       | SV3KH      | WC5N       |
| W9AJ       | WB7B       | <b>173</b> | W3IP       | <b>166</b> |
| <b>180</b> | <b>176</b> | 5B4ALJ     | W9EVI      | 4Z1UF      |
| DM2DXA     | EU1AB      | I1JQJ      | WA3AFS     | DJ4SO      |
| DM3VL      | I6FLD      | JA9TWN     | WP4U       | HB9FMN     |
| EA8JF      | JA0DET     | K1NTR      | <b>169</b> | IV3TDM     |
| JA2BDR     | JA5IU      | K4XR       | IK0PEA     | JA1FNA     |
| JE2URF     | JA6BJV     | K9YC       | JA1ADT     | JA9LJS     |
| K6SSS      | JA8KSF     | KA1J       | JE2LPC     | K1KA       |
| K7BG       | JL1SAM     | N5FG       | JR1IZM     | K3KY       |
| LA9AJA     | K8MN       | PY5EW      | K1LI       | K4JLD      |
| N1RR       | N5OK       | <b>172</b> | N4XX       | K4PB       |
| N4AH       | OK1DWC     | EA7TV      | N7US       | K4WA       |
| ON5FP      | RL3FA      | G0BLB      | UT8MM      | K4ZYU      |
| UT2UB      | SM5FUG     | G3NKC      | UY5AA      | OH2BLD     |
| W1RM       | W4BP       | IZ5MOQ     | W6RW       | RM3DA      |
| W7BEM      | W4GD       | JA3FGJ     | W7Yaq      | W0DJC      |
| W8TN       | YO7NE      | JG0CQK     | WB3JFS     | W1RR       |
| <b>179</b> | <b>175</b> | JG3IWL     | <b>168</b> | W8ILC      |
| CT1FPQ     | JA1CHN     | K0DEQ      | G3MXJ      | WA8TXT     |
| IT9ELD     | JA9NLE     | K1BD       | IK2EGL     | <b>165</b> |
| IW0SAF     | JS3CTQ     | K6FG       | JE7JDL     | DL7UCX     |
| JR7BDQ     | K4DLI      | KJ0M       | JF2UPM     | F6HDH      |
| K8WK       | K5GKC      | W3JX       | K4XD       | I2ZGC      |
| N2PK       | N7IR       | W4FQT      | K5QY       | IK0AGU     |
|            | N7XR       | WC4X       | K8RYU      | JE7RJS     |
|            |            |            | KR4F       | JH7CFX     |
|            |            |            |            | K5JZ       |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| KK4CB      | JH4ALY     | W1OX       | HB9BUN     | IZ3ENH     |
| N4HB       | JH4CPC     | W2XL       | JA8NFV     | JA2VQF     |
| N9FN       | K1USA      | W3GQ       | JR3OEH     | JA6BEE     |
| NY0V       | K5GO       | W4QN       | K0KVR      | JH1NYM     |
| RC9F       | K8ND       | <b>157</b> | NX8Y       | JR1XIS     |
| SM4CTT     | LB2TB      | AA4H       | W1NA       | K2AX       |
| SP6EQZ     | N4GN       | AC6DD      | W2XI       | K2FW       |
| W5BN       | OH6RA      | DL6MRS     | W5DNT      | N5JB       |
|            | VK3HJ      | EA5BY      | WB0TEV     | OK1ATP     |
|            | YU2TW      | G3TQZ      | WS7L       | RD3A       |
| <b>164</b> |            | G4GIR      | YS1RR      | RU3A       |
| GU4YOX     | <b>160</b> | JA1GHH     | <b>153</b> | S54A       |
| HA7UW      | AD5Q       | JE2DZC     | AA6AA      | SP7AWG     |
| HB9BZA     | DK1WB      | JH2QMT     | AJ9C       | SV9AHZ     |
| JA1RTX     | DL1DA      | JH7IAJ     | DL3ZA      | W7CT       |
| JA7ZP      | IK0FUX     | LY5A       | G3TJW      | W7RH       |
| JH2SON     | IW2FND     | N5MOA      | HL2CFY     | WA1Z       |
| K1NJ       | JA2EPW     | NE9Z       | JF1IRW     | WA2BCK     |
| N5WA       | JE2OVG     | RU4UR      | JR9OPJ     | WP4G       |
| RA3ZH      | JF2XGF     | SM3PHM     | K7SP       | <b>150</b> |
| RN3OG      | JR7MAZ     | SV8ZS      | K8VFX      | EA1AF      |
| SV2AEL     | K3MSB      | W2TA       | KR2Q       | IV3RAV     |
| W4DKS      | NR4M       | W5GZ       | N4TV       | JA1SVP     |
| W4NS*      | RU6L       | YV2IF      | N5TW       | JA2NQG     |
|            | UA0FZ      | <b>156</b> | N8II       | K0RS       |
| <b>163</b> | UX5UO      | AB9V       | R9OK       | K5TR       |
| 9A2JK      | W1BR       | DL4MM      | SM6CLU     | K7LV       |
| DJ9HX      | W5XC       | IZ8IEV     | SP5CCC     | K8AJS      |
| JE2LUN     | W9RN       | JO7HAM     | UT5UY      | KD0PO      |
| K7NN       | WX0B       | K0QC       | WB8BPU     | KU4XO      |
| K8TL       | <b>159</b> | K8YSE      | <b>152</b> | N3QE       |
| OK2QA      | JA4FKX     | KS1J       | EW2A       | N9CO       |
| UR4CWQ     | JH6QFJ     | N3RC       | HB0CC      | OE8SPW     |
| VE3CFK     | K4RO       | N3UA       | JT1CO      | SQ5EBM     |
| W7AL       | OK2ZV      | N7WS       | KQ4AV      | SV1CNS     |
| WW3S       | UN7JX      | OE5RLM     | KS3F       | UA6YW      |
|            | W3HKK      | UA3SAQ     | N9OY       | W6DAO      |
| <b>162</b> | W6BJH      | VA3LX      | S55ZZ      | WW2DX      |
| 4O3A       | W7SX       | W1YIF      | UA6IGI     | <b>149</b> |
| 9A4W       | WD5BJT     | W4TV       | UN7LZ      | DL7CX      |
| F3AT       | <b>158</b> | <b>155</b> | UT5AB      | HB9HFN     |
| HB9TKS     | DJ4PT      | DL1RK      | VE6LB      | IK4FNF     |
| IZ4DPV     | DL1FKA     | DL4SZB     | W1SKU      | JL1ARF     |
| JA6GIJ     | IT9DSZ     | JE3GRQ     | W1VT       | K3RA       |
| JR5JAQ     | JA9APS     | K2LS       | W6RLL      | K3TN       |
| LB6KC      | JH1TWT     | NE0DX      | W7AJ       | K4YYL      |
| N8MR       | J11FXS     | NW7E       | WB3CQM     | K8ME       |
| RW3RN      | J11NJC     | SM6VR      | <b>151</b> | K8ROX      |
| W0HT       | JR1GJP     | WE1P       | AA7G       | K9MK       |
| W0TT       | K5TT       | ZS6EZ      | CU2AP      | R8TX       |
| W1LW       | K9GA       | <b>154</b> | DK2OY      | SM6CUK     |
| W8WEJ      | OZ1HX      | 3V8SF      | EI9JF      | UW7UA      |
|            | RU6M       | GM3PPE     | F3SG       | W0GG       |
| <b>161</b> | SM4EMO     |            | HB9SLO     | W2/CT1GIF  |
| DK2GZ      | W0SZ       |            |            | W7HPW      |
| DL6RAI     |            |            |            |            |
| HB9DHK     |            |            |            |            |
| JA1DOF     |            |            |            |            |

WB8B  
WD5K  
WS5W  
YO3DDZ

**148**

CT1FCX  
DK2CC  
F5CQ  
F5LVL  
G4FTC  
JH1QDB  
K5VWW  
LA6OP  
N2WB  
NE3F  
W5FKX  
W9JJB

**147**

EA3GP  
F5PAC  
IV3VBM  
JA1XQC  
K7HP  
K8UT  
KM1H  
N1IBM  
PC3T  
W1OP  
W2KKZ

**146**

EU4A  
JA1HQG  
JA4DHN  
JA5XAE  
JH1GNU  
K1CA  
K5KV  
K5SM  
K6NR  
K7WP  
N7BT  
RU0SN  
W1IZL  
W1ZT

**145**

AF4HX  
HI3T  
IOJBL  
IZ0RVI  
JE6TSP  
JJ3HGJ  
JK1AJX  
JN1BMX

K1OA  
K3VAT  
K4OY  
K8BL  
KF6HI  
N1CGP  
N4GG  
N5XZ  
NA5C  
RT0F  
SM3DTR

**144**

CU3EQ  
DL5CW  
DL5KUA  
E70T  
EI6IZ  
GM3ITN  
HB9BYQ  
I5MXX  
IT9GSF  
IV3DXW  
IZ4GWE  
JA3GN  
JE1FQV  
K0VSH  
N1IX  
N3KK  
SM4OLL  
SM5CLE  
W4GE  
W5ADD  
W7ZI  
W8RLS  
WC5M  
WD5T  
YO3CD

**143**

DL1DUO  
DL6EN  
HS0ZEE  
K7CMZ  
K7CW  
KJ9C  
N2RJ  
N2WM  
N5UW  
N6PAT  
N6PSE  
NN4R  
W0IZ  
W6QUV  
WB8ZRV  
WD9DZV

**142**

I5HOR  
IT9BLB  
JH0BQX  
JR7WFC  
K3PP  
K4WZ  
KK1W  
LA9VFA  
MM0SAJ  
N7QT  
NA4D  
NQ7R  
NY2NY  
OK1DO  
W2OO  
W5LUA  
W5VQ  
WA5POK  
WB8CQV

**141**

AC9S  
DL5MHQ  
EW1BA  
HB9FMT  
JA1PTJ  
JA2ATE  
JA9RRH  
JH1HHC  
JL1UXH  
K2RW  
N8OC  
NJ3K  
OE6VIE  
SV3FUO  
W2CG  
W3BW  
W4JVN  
W4VIC  
W4WT  
W8HW  
ZS1C

**140**

9A1CAL  
DF2RG  
JR2LJO  
K5WK  
K6KLY  
KF8DX  
N4XP  
OH6NIO  
ON7DR  
UN1L  
VE6SV  
W0SEI

W4NU  
W7IV  
W8GNM  
W8LWU  
WO2T  
YL2MU  
YO9FNP

**139**

DF7EE  
DJ4XA  
DL5EBE  
DL8OH  
DS1JFY  
JA1TMG  
JI1DCW  
K3ANS  
K6AM  
K8GI  
K8RF  
KA8SYV  
KU0A  
LA8WG  
OH1JP  
OK1MP\*  
SM5CBM  
SV8ZC  
W0SD  
WA8WV

**138**

DK8MCT  
DK8YY  
EI9FBB  
F6DDR  
IK8EPC  
JA3OOK  
JF3LOP  
JH7RXU  
K1RO  
K2RET  
KJ6P  
LB5WB  
ON6AA  
OZ8X  
RW4CY  
UN7JID  
V51B  
W1GD  
W2YE  
W4YV  
W7OM

**137**

EA1YO  
GM3YOR  
HB9RYZ

IZ2FOS  
JA3APU  
JA4OK  
JH4JNG  
K2QMF  
K6EME  
K8NS  
LA9GX  
RA3CO  
RG7G  
UU1JA  
W1ITU  
W5ODD  
WB5JID

**136**

E72U  
ER0FEO  
HB9IQB  
IK8CNT  
JH4HMG  
K0TV  
K4ZO  
K7TM  
KR6C  
N2ZN  
OK1DW  
SM5OJH  
SP2BMX  
UT3UZ  
UW8SM  
W2OIB  
WB7QXU

**135**

5B4MF  
DJ9ZB  
F6FXU  
IK8GYS  
IU0HDC  
JA7LMZ  
JA8BNP  
JA8JL  
K1ZE  
K4ZRJ  
K7FL  
K7XB  
NZ9R  
R7LP  
RN3RQ  
SM3LGO  
SM5CZK  
SP3XR  
W1DIG  
W1EQ  
W2GD  
W4BUW



|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| W4MBD      | ON4CAS     | KO8SCA     | W2WC       | WB0O       |
| W4RFZ      | OZ2RH      | NA4EA      | W4IS       | WB2REM     |
| W6JTI      | SM4BZH     | NO9E       | W6RKC      | WD4LBR     |
| WE4S       | SM6BGG     | OZ2ABI     | ZS1A       | YU1EXY     |
| <b>134</b> | SP6M       | PY5EG      | ZS6UT      | <b>125</b> |
| CT3HF      | VE3CRG     | R3VA       |            | 9A1AD      |
| IK4DCS     | W4AXL      | R5QA       | <b>127</b> | AG1A       |
| JA7LGE     | W4RBO      | R9AB       | CT3KN      | GW3TMP     |
| K1TO       | W4WM       | RU1AO      | HK1MW      | HK4SAN     |
| K1ZN       | W5SL       | S51NM      | JA1DDH     | IK5DNF     |
| K3OX       | W6DR       | SP6JIU     | JA1WLO     | JA4IYL     |
| KX4TT      | W7AH       | TA1CM      | JA8RJE     | JA6VU      |
| N9MR*      | W7CD       | VE3DO      | JA9KRO     | JE1TSD     |
| N9RS       | W9FR       | W2MPK      | JH3AIU     | JE6UWU     |
| NA5DX      | WB3D       | W9ZT       | JS2LHI     | JF2WXS     |
| OE1TKW     | XE2S       | <b>129</b> | K0RW       | JL1RUC     |
| PY5HOT     | <b>131</b> | HA1RB      | K3TRM      | K1HAP      |
| RG6G       | DK7YY      | HB9AZZ     | KM3T       | K5KG       |
| RX4HW      | G3UHU      | JA1NWD     | N1AC       | K8DV       |
| SM0BYD     | HS1NGR     | JA8JO      | N1GC       | KA6BIM     |
| SV5DKL     | IV3KFB     | J14POR     | OE8HIK     | KI4WCQ     |
| UA0ACG     | JA0AOO     | K4TT       | SK7AX      | LZ1XL      |
| W4JKC      | JA2TBS     | K6XM       | SP6A       | N2KA       |
| YU1AM      | JH4ADK     | N0YY       | SP7ASZ     | N3EN       |
|            | JJ1TEA     | N3KS       | W0CP       | N4JT       |
| <b>133</b> | JM1FHL     | N3RR       | W0RT       | N9RD       |
| 9K2NO      | K1UU       | W0YVA      | W1OPD      | ND5S       |
| EU1U       | K5VIP      | W7QHE      | W3BG       | NW6S       |
| HB9CQK     | KC2LSD     | W8MET      | W3FOX      | OE1AZS     |
| IZ8DFO     | KH2L       | <b>128</b> | W3MF       | RA0BA      |
| JA7GLB     | KM3V       | AA4SC      | XE1KK      | UU7JM      |
| JA9AGN     | KM4H       | DM2RM      |            | VE3UTT     |
| JR6FC      | N3MK       | IT9ZZO     | <b>126</b> | W5DAW      |
| JR7FRW     | N4QWZ      | JA2AHH     | DJ8WD      | W8LMG      |
| K2CDJ      | N5PHT      | JA2KSP     | DL9FCY     | W9CG*      |
| KS4YT      | N6RK       | JA9AA      | F8BPN      | WV4TN      |
| KU2A       | ON4ON      | JE1LFX     | G4IUF      | YO2RR      |
| OE1KM      | R0SR       | JH4GJR     | IZ7EVZ     |            |
| RA5BM      | R9MJ       | K0FF       | JA1XCZ     | <b>124</b> |
| RV4LC      | R9SA       | K3XA       | JA7KY      | AA7XT      |
| UQ2PZ      | W8DCH      | K4JAF      | JH3CUL     | IK3VBB     |
| VE3WT      | <b>130</b> | K4SE       | JJ1DWT     | J11DHY     |
| W0NFL      | DF9ZW      | K6LPO      | JN1RQV     | KD4POJ     |
| W2QO       | E73M       | KG7CW      | K2ZD       | NA2U       |
| W5AJ       | EI2JD      | KM4NS      | K4JKB      | PA0TCA     |
| <b>132</b> | G7VJR      | N5KM       | K4XU       | UA0BA      |
| AA4NC      | HK0HEU     | OH1ZK      | LB7ZG      | VA7CRZ     |
| AB9M       | JA2FBC     | OZ1IKY     | N8NA       | VE1DUN     |
| AD6W       | JG1DUZ     | R9SG       | OE3SGU     | W2JU       |
| IT9RDG     | K2MYR      | S53X       | OK3CQD     | W2RIJ      |
| JA2KVD     | K3NK       | S55DX      | PA3EWP     | W3FM       |
| JA6CBG     | K6SIK      | SM3GQP     | PA5TT      | W6CYX      |
| K6YUI      | K7LFY      | SV3DCX     | VE3CX      |            |
| K9ZM       | K8BCK      | US8UW      | VE7BV      | <b>123</b> |
| N6HY       | K9GL       | VQ9LA      | W8MK       | AB1OC      |
|            |            |            | W8REW      | AC4TO      |
|            |            |            | W9ILY      |            |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| DL7JRD     | WA3I       | N8PW       | JA4FHE     | UB3A       |
| F4GTB      | WA7BNG     | OE3EVA     | JI8DGO     | UR9IDX     |
| G4WFQ      |            | OZ2A       | K3FRK      | US1CT      |
| G5LP       | <b>121</b> | PZ5RA      | K3WGR      | VE3YF      |
| HB0WR      | AA6RR      | RL3BZ      | K4CNW      | W4ZRZ      |
| IK2CHZ     | DF1DB      | SP7ITB     | K7PI       | W6SL       |
| IK3XJP     | DK1EI      | SV1IW      | K8LN       | W8ZR       |
| JA0CRG     | DK6CQ      | UR5IKN     | K8WVA      | WA2USA     |
| JA1SJV     | HB9DHG     | US0YA      | K9DR       |            |
| JA3MHA     | IK2SGB     | W2YR       | KD2T       | <b>116</b> |
| JA6WJL     | JA2HYD     | W3OA       | KD6UO      | AA8CH      |
| JK1EXO     | JI4WAO     | W4PRO      | KG8CW      | AJ4F       |
| JR1EBE     | KD8RQE     | W6RFL      | KV4AA      | DL7URH     |
| K2PK       | KG9Z       | W7RN       | LZ2HM      | EA5BRE     |
| K3XO       | N0OK       | WT4Q       | N2MM       | HA7PF      |
| K4ZIN      | N1JP       | ZL4AS      | N4DJ       | IK0EIE     |
| K5GH       | N3ND       |            | PY2PA      | IK2OHG     |
| K7UT       | N6HC       | <b>119</b> | RN3TT      | IT9TQH     |
| K9CS       | SV1AHX     | AA3AZ      | SV9COL     | IV3HYD     |
| KV4T       | UQ1GWW     | AA4DD      | TA2RC      | JA1WTI     |
| N2ED       | UT4EO      | AE3T       | VK4CAG     | K1DC       |
| N4DWK      | UU2JQ      | AJ4A       | W1KSZ      | K1RI       |
| N6MZ       | VA3AYA     | DK3GG      | W4DAO      | K9FN       |
| N9JV       | W0QQ       | EW4M       | W4NJ       | KT1V       |
| N9LQ       | W2GG       | G4DJJ      | W5JMW      | KV1J       |
| NA2P       | W3RJW      | HB9AAQ     | W9FI       | NA9Q       |
| NA9RB      | W6XI       | HB9BCI     | WX3P       | OZ1LCG     |
| S50B       | W9XX       | I2TZK      | YO4AUL     | PA0JSE     |
| UA3DK      | W9YE       | I4MKN      |            | RV3ID      |
| UR9QQ      | WA1PMA     | IU0LFQ     | <b>117</b> | TZ4AM      |
| UT3QU      | WY1G       | JA3AZD     | 9Y4VU      | UA4PCM     |
| W1AO       | XE1VIC     | JA4XGC     | AE0P       | W1ENE      |
| W4NF       |            | JE2JMV     | BH4IGO     | W1WEF      |
| W8NJR      | <b>120</b> | JH6CDI     | DL1DWT     | W7GG       |
| WB8K       | 9A5F       | K5UZ       | G3PLP      | W7OEV      |
| XE1H       | AC9EM      | K7EG       | IT9AAI     | W8LRO      |
|            | AL7TC      | K8KWT      | IT9DAA     | WQ5L       |
| <b>122</b> | DL2VWR     | K9SG       | JA1HQT     |            |
| BA4RF      | EI2GLB     | N0KV       | JA4FM      | <b>115</b> |
| G3NDC      | FG5FR      | N9UA       | JA7GYP     | AA5JF      |
| JA1MRM     | HB9BLQ     | NT2A       | JA7IC      | C6AGU      |
| JH1AGU     | IZ0LKV     | NY7T       | JM3GXU     | CU2CE      |
| K1ESE      | IZ5NFD     | OH5NG      | JR2UBS     | DL9GOA     |
| K1YT       | JA4EPE     | OK1DT      | K1BZ       | G4XEE      |
| K2MP       | JR3UIC     | R6FFB      | K2BB       | G8BCG      |
| K7ZA       | JR6LLN     | SV1ACK     | K6PJ       | G8DX       |
| KR0P       | K2BA       | W0RX       | K8OOK      | HA5UK      |
| LA7WCA     | K2HK       | W4HZ       | K8QM       | HK3PJ      |
| LA8PT      | K3QIA      | W8FIB      | N2BJ       | IZ7JVR     |
| N3NR       | K5JC       | WC2K       | N4IR       | JA2KNW     |
| N9AW       | K6FW       | WP3R       | N6MB       | JA3NHL     |
| NN7X       | KA8ZPE     | XE1RCS     | N8AA       | JA5FDJ     |
| OZ3Y       | N4BAF      |            | N8XI       | JG3LGD     |
| RD4A       | N4LR       | <b>118</b> | NY4G       | JH1RFM     |
| UU4JMG     | N4TB       | 5T5PA      | SM7BIC     | K0GD       |
| VE6AX      | N4TL       | AB2E       | SP8HKT     | K0SD       |
| W2TB       | N4UFP      | DL5OCE     | UA6J       | K4CMS      |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| K4GHS      | <b>113</b> | EI8IU      | HL3GOB     | K3JRR      |
| K4GK       | 9A1A       | EW1DO      | JA1AUD     | K3PH       |
| K5XM       | DJ5DT      | G3XGC      | JA1FGB     | K4WW       |
| K8YTO      | DJ9RR      | HB9CEX     | JA1NCZ     | K6MI       |
| LY4T       | DL8CM      | HB9CRV     | JE2EHP     | K6VKO      |
| N0IRM      | DL8DYL     | HB9G       | JE8TGI     | KB4MRX     |
| N4OA       | G4AFJ      | IK2ANI     | JF2WGN     | KC2STA     |
| N5BO       | HB9EFK     | IU8FRE     | K0FLY      | LZ1PM      |
| N8KOL      | JA0GCI     | IZ4DIW     | K5WAF      | N2CG       |
| PA3AXU     | JA1OVD     | JA1SXR     | K7ORK      | N3HBX      |
| RZ6MJ      | JA4ITW     | JA4BXL     | K9AJ       | N3IQ       |
| UA1ANA     | JH1ORA     | JA7BXS     | KM1R       | N3JB       |
| UA1CGS     | JH3GCN     | JR7TEQ     | KZ0X       | N4KE       |
| UA6XT      | K0TPP      | K0JPL      | LA0CX      | NC6K       |
| UN6T       | K2HAT      | K1EDG      | N4WJ       | NK7C       |
| W4UCK      | K8SL       | K1KO       | N7BD       | NY4I       |
| YL2CZ      | K9GWH      | K4UAS      | N9HF       | RD9M       |
|            | KA4RRU     | K8CC       | NA1DX      | SM5BHW     |
| <b>114</b> | KH6DX      | KB2FCV     | UR6QA      | SP9WZS     |
| BA4DW      | KI0G       | KI4DLS     | UT1UY      | SV1VS      |
| BA7IO      | KT1J       | KM1C       | VE6KC      | UA3O       |
| CT3FN      | N7KO       | LA8HGA     | VE7CT      | US7MM      |
| CU3AK      | N9ISN      | N5ZC       | VE7UF      | W0UY       |
| DL6NB      | NA3F       | N6MA       | W0VHF      | W3XY       |
| F6CWA      | NG0G       | N6PE       | W1FO       | W4DC       |
| G3SDL      | NI5F       | RU4SU      | W4HOG      | W4NE       |
| HP3TA      | NK5B       | SM3DMP     | W4OX       | W5ZPA      |
| I5OYY      | ON5UE      | UA1ACG     | W5AQ       | W6KK       |
| IK7YZG     | R7NA       | UA1CEI     | W7VS       | WL7E       |
| IW0HEX     | RA4UN      | UT6UD      | W8KA       | XE1FAS     |
| JA4KDT     | RZ3AUL     | VE7XF      | W8MIL      | YU7AU      |
| JA5WIZ     | SM5ARL     | W1HEO      | W9RB       | ZL3NW      |
| JH6WMJ     | SP3EPG     | W2CVW      | WA2BOT     |            |
| K1RV       | SV1FKZ     | W2SKI      | WA2MUA     | <b>109</b> |
| K2DC       | SV1JFV     | W3MR       | WB4TDH     | DF1KG      |
| K3MD       | SV2AVP     | W3UL       | WB9EEE     | EA3GHZ     |
| K3NF       | UN7TW      | W4VHF      | YL3DQ      | EU4T       |
| K3OSX      | VE3KI      | W5VX       | YO6HOY     | F8EZE      |
| K5CD       | W2GW       | W6TC       |            | G3SVD      |
| K5RJ       | W6BK       | W8GEX      | <b>110</b> | J68HZ      |
| KB8U       | W8FAX      | W8HMK      | BA4MY      | JA2CXF     |
| KZ4V       | W9DX       | W9SE       | DG7RO      | K2ONP      |
| N1QY       | W9HBH      | WA8OLN     | DL1VDL     | K4RDU      |
| N2JJ       | W9VNE      | WT9U       | EA5BYP     | K5FZ       |
| N3MN       | WA4DOU     | ZP6CW      | F5BAR      | K5KA       |
| N4IQ       | WB2HJV     |            | G3LNS      | K5KPE      |
| NU8Z       | WB2UFF     | <b>111</b> | G8AJM      | K6MW       |
| UA3FT      | WS4C       | AA4U       | HC1BI      | KE1F       |
| W0VX       | XE1RBV     | AB4GE      | I2BBJ      | KZ5DX      |
| W4TUN      | ZL1BYZ     | AF4OX      | IK5RUN     | N1BZ       |
| W5VY       |            | CU3AN      | IK8UHA     | N2WLG      |
| WA1FCN     | <b>112</b> | DK2WH      | IZ0CKJ     | N7TY       |
| WA4CEM     | A92IO      | DK6ED      | JA7EPO     | N8NN       |
| WA8MCD     | DJ1RL      | DL1HRN     | JE2UFF     | ND4V       |
| WA9YYY     | DK5RL      | EV1R       | JH1VHU     | NN4RR      |
| WN9O       | DL5CL      | F6ECI      | K1EO       | NU4I       |
| XE3ARV     | EA1JO      | G4DBN      | K2BLA      | NX7U       |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| PY5CC      | WA8MOA     | WB6CJT     | W2EQ       | R6YY       |
| RW4UU      | WB8BZK     | WB8ART     | W2LE       | RA6AF      |
| RW9QA      | WC1M       | WS1L       | W2NO       | RD4WM      |
| RX3AGD     | WC6DX      | XE2YWH     | W3ICM      | SP5JXK     |
| TG9NX      | WD9EQU     | YL1XZ      | W4IR       | UA6LCN     |
| UB5ZAL     | WW1WW      | ZL3RJ      | W5JAY      | UR1RWX     |
| UT7KF      |            |            | W8OP       | UR2RGN     |
| VU2CPL     | <b>107</b> | <b>106</b> | WA4MYO     | VE1PZ      |
| W5WP       | 4Z5LA      | AA4FL      | WA6TLA     | VR2MY      |
| WB5TUF     | DJ8ES      | AE2U       | YL2GN      | VY2ZM      |
| WN0L       | DK3FB      | DJ6OZ      | YU3EF      | W1LE       |
| YV3AGT     | DL1QQ      | DL2NOM     |            | W1LY       |
|            | DL2CHN     | DL3JSW     | <b>105</b> | W4OWY      |
| <b>108</b> | DL5XU      | DL6JZ      | DF2PI      | W5KI       |
| AI2Q       | DO4DXA     | EA3CCN     | DF8AA      | W6FF       |
| AL7R       | EA5AT      | HA8DZ      | DJ3XD      | WQ5W       |
| DL6CNG     | EA7QW      | IK0ZIO     | DJ6KH      | YU1NR      |
| ER1LW      | FG8OJ      | IW3GJF     | DL4ZAB     |            |
| G3VAO      | G4AKY      | JA1VLK     | DL6XK      | <b>104</b> |
| HB9BAT     | G4RGK      | JA2MNB     | DO1CTL     | 9K2OD      |
| HB9FAN     | HI8R       | JE6IGP     | ES1GO      | 9M2AX      |
| IK0PRG     | I5IHE      | JG3HBO     | G3YUV      | AD1C       |
| IZ0BTV     | IT9XTP     | JG5RVQ     | HA8FW      | AG4Q       |
| IZ2EWR     | JA5EY      | JH2KKW     | JA1BWA     | AH0U       |
| JA2MOG     | JA8JTH     | JH6PFY     | JA1TAA     | CP8HD      |
| JJ2PIK     | JH9DRL     | JJ0NCC     | JA4EVN     | CX3CE      |
| JK1MZT     | K0MD       | JR0EQQ     | JA6VA      | DK3BK      |
| K1EP       | K3SW       | K0DEW      | JA7BME     | DL4FAP     |
| K1XM       | K3YBN      | K1PX       | JA8RRF     | DL7UPN     |
| K2CJ       | K4SAF      | K4DSE      | JA9APM     | E73D       |
| K2KQ       | K8LBT      | K5AM       | JF1RYU     | EA8ZS      |
| K2MK       | K8ZR       | K5ZQ       | JO4CFV     | EI9E       |
| K4WY       | KB9DAK     | K8JJC      | JR1BAS     | F6AJA      |
| K4YJ       | KE2R       | KD9HL      | K1DJ       | F8GB       |
| K6UT       | KZ1W       | KK8X       | K2XF       | G3BRD      |
| K8OM       | N2RR       | KK9H       | K4MS       | HB9CIP     |
| KM8AM      | N3DAP      | KP4AA      | K5AV       | HK3O       |
| KN4JX      | N4RF       | KQ3F       | K7OX       | IK0DWN     |
| LU2DKT     | N6EE       | N0JZ       | K7PO       | JA1SDV     |
| N4MEC      | N8AGU      | N2CW       | K9RO       | JA2FGL     |
| N6RFM      | NA5Q       | N2SQW      | KI5T       | JF1EGO     |
| N9SF       | OE1CP      | N3XM       | KT2E       | JF6WTY     |
| N9TF       | OK2BUZ     | N8AID      | KX2A       | JK1BSM     |
| NU4Y       | OK3CQR     | NA5Z       | LZ1JZ      | JO1WYO     |
| PA0ZH      | R0FA       | NI5M       | N2DPF      | K0WK       |
| R5FY       | RN4AA      | NS3L       | N4JI       | K1BG       |
| R7LA       | RV6ARZ     | OE5CSP     | N4NW       | K3FM       |
| RX6DX      | SP3BQD     | OH2OT      | N4PL       | K4KEW      |
| S57J       | SP6AXW     | OK1AYU     | N4SC       | K4MF       |
| SM6AOU     | US5CB      | OK2BVG     | N4VN       | K4VIG      |
| UX7UN      | VE3OI      | S57AL      | N6NU       | K5HK       |
| UZ6LWZ     | VK3NX      | UR3CRO     | N7DR       | K6UM       |
| W2UB       | W3KB       | UT7UU      | ON7PQ      | K7TJR      |
| W3NRJ      | W6TDX      | UU5WW      | OZ4AAL     | K9EA       |
| W4ZYT      | W8IW       | V73AZ      | PF7M       | KA2BZS     |
| W7ACD      | W8VK       | VQ9SS      | PJ2/K8ND   | KH6KG/W5   |
| WA2ALY     | W9CPV      | W1CWU      | PY2DS      | KI0KB      |

|            |        |            |            |        |
|------------|--------|------------|------------|--------|
| KW0A       | G4AAW  | W6SZN      | SP5MXZ     | K0LW   |
| LZ2XF      | G4PUQ  | YO7APA     | T77V       | K1YR   |
| N3ER       | G4VGO  |            | UA1AIR     | K2BX   |
| N3TR       | I0OSI  | <b>102</b> | UA1CKC     | K2TER  |
| N4GU       | JA2GQO | A6/RV6LNA  | UA6HOF     | K3SEW  |
| N4TTE      | JA2OLJ | CT4BD      | UA9MR      | K4NNX  |
| N6PF       | JA3FHL | DK3QM      | UA9UCO     | K5DNL  |
| N6WM       | JA8EJO | DL3DXX     | UW7CN      | K6AAW  |
| N8MZ       | JH1DGQ | DL3NCR     | VE2FYR     | K6XJ   |
| N9DR       | JM2RUV | DL4CW      | W0JMP      | K7AR   |
| N9PGG      | K0EOO  | DL4KUG     | W1MRH      | K7IA   |
| ND3L       | K2UVV  | DL5RDI     | W1PV       | K8BN   |
| NJ9C       | K4LQ   | EA8AKN     | W2LW       | K9JU   |
| NN3Q       | K5JUC  | EI4DQ      | W2TX       | K9PG   |
| RA1QX      | K7BTW  | EI6GF      | W3EKT      | KC4PX  |
| RU3UR      | K8CCV  | ES5RW      | W4ALF      | KD3UY  |
| RZ6DX      | K9MUG  | F6BWO      | W5TO       | KE1VT  |
| RZ6LB      | K9XJ   | FM5WD      | W7IUV      | KE4S   |
| SM5CCE     | KE1IU  | HB9AHL     | WA0IDK     | KF7NN  |
| SM7CQY     | KJ4R   | I8LWL      | WA1S       | KN6J   |
| SO5AS      | KJ7WY  | IT9SFT     | WD8DSB     | KQ1F   |
| UA9FGJ     | KM9E   | IZ4MJP     | WS4Y       | KS4XQ  |
| US5CAO     | LX1DA  | JA0HXV     | WW5G       | LA2GV  |
| UT4EK      | N0RU   | JA1JAT     | YO2CMI     | LA6UL  |
| UT7EC      | N1HOQ  | JA6OXT     | YO2IS      | LZ1XZ  |
| UX4UM      | N9BBQ  | JA8OW      |            | N0STL  |
| UY0MM      | NU1T   | K0YN       | <b>101</b> | N2AJ   |
| VE3VHB     | OH3GD  | K1PTF      | AA2VG      | N5AQ   |
| W0YBS      | OH4UI  | K2LP       | AA3LX      | N8AG   |
| W1QA       | OK1DQT | K2TK       | AA4NU      | N9JCS  |
| W3DRY      | OK2BQU | K3KG       | AC2AC      | NE1F   |
| W3TMZ      | OK3BRK | K4AQQ      | AC5O       | NX2X   |
| W5CWQ      | OZ7JZ  | K4KAY      | CT1JGA     | OA4TT  |
| W5GJ       | PA0GMM | K5ZO       | D44BC      | OE3WQB |
| W5ZO       | R9GM   | K6DJ       | DH2FW      | OH3TY  |
| W6PH       | RA0FA  | K7BHM      | DK9WI      | OK1PGF |
| W7DR       | RA4HT  | K7UA       | DL1KS      | OK2BOB |
| WA0I       | RK3QY  | K8BHZ      | DL3ANK     | OK3EY  |
| WA0RVK     | RU3OW  | KJ6NZ      | DL5JS      | OK4MM  |
| WA9ETW     | SM3CBR | KN4KL      | DM3ML      | ON4LG  |
| YC0LOW     | SM6EHY | KW4BY      | EA1WX      | OZ5HP  |
| YO5ODE     | SM7BHH | KY6R       | EU1TT      | PA4WM  |
|            | UA3PFN | LA3ANA     | G3ZFC      | RA3AH  |
| <b>103</b> | US2WU  | N5RZ       | G4FJK      | RA4P   |
| AG1I       | UT2AB  | NZ3M       | GM3WTA     | RA4SD  |
| AI3Q       | VA2ZO  | OH2EA      | HB9NL      | RB7GG  |
| DJ1MM      | VA3IC  | OK1DTN     | IV3GOW     | RK9F   |
| DJ3GZ      | VE3EDY | OK1JDX     | IV3KCB     | RY6M   |
| DJ7PI      | VE3MFA | OK3CSQ     | JA1VVX     | SM2DMU |
| DL2HX      | VE3VV  | PA7TWO     | JA2VMU     | SM7NDX |
| DL8YRM     | W0QC   | PV8ABC     | JA6TMU     | SP7JLH |
| DM5TI      | W0UVC  | PY2DO      | JA7SFD     | SV1PL  |
| DS3HWS     | W1CTN  | R2AB       | JE1SYN     | UA0FDX |
| EA7SG      | W4AVY  | R3IS       | JF1RPZ     | UG6GAW |
| EU6MM      | W4MZ   | RU3UN      | JH3HGH     | UR7CQ  |
| EW3LB      | W5THT  | S59DJK     | JH3PRR     | UT1CC  |
| G3BDQ      | W5VU   | SM6WET     | JI3KDH     | UT4IS  |

|            |        |        |       |
|------------|--------|--------|-------|
| UT7HA      | JA4FSH | OK1DXD | ZS2DL |
| VE2OJ      | JA5DQH | OK2PAZ |       |
| VE3XB      | JA9CGW | ON4ANN |       |
| VK2GR      | JF3DRI | ON7EH  |       |
| W1AW       | JH7BKN | ON7GB  |       |
| W1FC       | JS6TWW | ON9CC  |       |
| W1GF       | K0LB   | OZ1ZD  |       |
| W2SF       | K0XM   | PA0INA |       |
| W3WH       | K1NA   | PA7RA  |       |
| W4BUE      | K1NZ   | R3PJN  |       |
| W4PM       | K1TZQ  | R9JX   |       |
| W7AV       | K2CBI  | RA3SD  |       |
| W7CB       | K2CYE  | RA4LW  |       |
| W8GB       | K3TZV  | RA6XB  |       |
| W9MAF      | K4FT   | RC2A   |       |
| W9ZCL      | K4KSY  | RN1A   |       |
| WA3EKL     | K4QS   | RT5A   |       |
| WB3HLH     | K4UQC  | RU3GF  |       |
| WC4H       | K7VIC  | S53MJ  |       |
| WK9U       | K8BZ   | S59SV  |       |
| WR2G       | K8CR   | SV1VJ  |       |
| YO2OXD     | K8CS   | SV2DSJ |       |
| YO6BHN     | K8LE   | UA3AKI |       |
| YV4DYJ     | K9NZ   | UA4PAY |       |
|            | KB0EL  | UA6CEY |       |
| <b>100</b> | KC0V   | UN6P   |       |
| 9M6YBG     | KC4D   | UR4CW  |       |
| A41ZZ      | KC5LT  | UR4LRG |       |
| AA4AK      | KD8BZY | UR8IDX |       |
| AB4VV      | KP4N   | VE1RGB |       |
| AC4VM      | KQ5M   | VE3OAT |       |
| AI2S       | LA8W   | VE7JKZ |       |
| DJ6OI      | LU5OM  | VP2VA  |       |
| DL1TPY     | LU5YF  | VR2PX  |       |
| DL1TRK     | LZ3YY  | W0GYH  |       |
| DL9GTB     | MM0SJH | W0MU   |       |
| DU7ET      | N0AH   | W1AN   |       |
| EA1CP      | N0ATQ  | W1YRC  |       |
| EA2AAZ     | N1KI   | W2CCC  |       |
| EA3ALD     | N1MD   | W3BBO  |       |
| EA8AXT     | N2SG   | W4HHN  |       |
| EC5A       | N2XQM  | W4MAY  |       |
| ES5NC      | N3AF   | W4OEP  |       |
| FM5GU      | N4CRI  | W4OV   |       |
| G0VXE      | N4ZR   | W5BK   |       |
| G3OIL      | N7DED  | W7DT   |       |
| G4CGG      | N7TK   | W7JET  |       |
| GM3ZSP     | N8IL   | W8CNL  |       |
| I2VGW      | N8NB   | W8FN   |       |
| IK0HFO     | N8OQ   | W8GDQ  |       |
| IK4MSV     | N9ADG  | WB4SON |       |
| IS0/YO3RA  | NA6O   | WU2M   |       |
| IW0BYL     | NB3R   | WV9L   |       |
| IW0HQE     | NG7A   | YB1TJ  |       |
| JA1BRK     | NJ3I   | YL2SM  |       |
| JA1CPU     | NN4SS  | YO9FLD |       |
| JA1ILA     | OE5JDL | ZP9MCE |       |