

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

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

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

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

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

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

VE3BW

**205**

F6EXV  
I4KDJ  
JA3AAW  
K9YY  
KA9FOX  
W8UN  
WB8ZRL

**204**

9A2NA  
DJ5AV  
EA5KA  
F4BKV  
IK7NXM  
JA9NFO  
K4JJW  
K4XO  
K9US  
KK4SI  
LX2A  
N4NX  
N4QS  
N7FU  
SM2OAN  
UA0SR  
US6EX  
W2HUV  
WD8PKF  
WF4U  
WI8A

**203**

AA5AM  
JA2XYO  
JE1PNX  
K9MMS  
KK2I  
NK1K  
OH1TV  
PA0A  
R6AF  
W7DO  
W8GC  
WA2HZO

**202**

DK2LO  
DL1MGB  
DL2KQ  
DL9DRA  
HB9DDO  
JA2JNA  
JA3CSZ  
JA5AQC

JH3VNC

JI2KXK  
K2NV  
LY1G  
N5ZM  
N7KA  
OK1DOT  
R9TO  
RA3S  
UA9FAR  
W1NT  
ZL3IX

**201**

AG4W  
CU2DX  
DL1EJA  
JF1PUW  
JO7WXN  
K1GG  
K3HP  
W0MHK  
W2IRT  
W5TCX

**200**

G0OIL  
IK0FVC  
JA1GTF  
JH2RMU  
K1GE  
LA5YJ  
RW4NN  
RW7M  
UY0ZG  
W0DD  
W3GG

**199**

G0BNR  
JA2DPC  
K6GXO  
KB8VAO  
N4DW  
W1TO  
YO2DFA

**198**

DL1ROJ  
G3UJE  
G4BUE  
I5KKW  
IT9JNR  
JA4PXC  
W8HB

**197**

G3SNN  
JA0EOK  
JE1BMJ  
JH1QAX  
JH2UVL  
K8NVR  
LA7AFA  
OE4PWW  
OE5FIN  
ON4CD  
RZ6FA  
UA0SC  
UT5EL  
W0FS  
W4UM  
XE2X

**196**

4Z4DX  
AA4HP  
IK4PLW  
JA3RAR  
K8PO  
KP2A  
ND0N  
RA9CMO  
RZ4FO  
SM7GIB  
W2FCR

**195**

EA3JL  
EA5RM  
G3ZEM  
JA1EOD  
JA1XEC  
JN7FAH  
K3PA  
K7SO  
K9RT  
KF8UN  
N1SV  
W4FC  
W5ZG  
W9OP  
WN6W

**194**

K4KDX  
K9JF  
KB9LIE  
OH2IS  
W2LO  
WD8JJA

**193**

CT1IUA  
DF2GH  
DK1FW  
DL5ZB  
DL6ZXG  
EA3WD  
HA5BSW  
K4ODL  
N5LZ  
N9EN  
PA0LOU  
RN1ON  
UA0CA  
W9MU  
WA2VYA  
WE9R

**192**

JA7JWF  
JH1RFR  
K3FN  
K4FJ  
K5XX  
K7GM  
K9EU  
KF7PG  
LA0FA  
N4DB  
NE1B  
W3UA  
W3YQ  
W8LGJ

**191**

CT3MD  
JA1ANR  
K0BBC  
K0JGH  
K8FC  
K9LA  
RK2FWA

**190**

IZ8XQC  
JA0VSH  
JA1DUH  
JA1MCU  
K2TE  
K9KU  
KB1EFS  
KM1D  
N4XU  
N5GH  
SP2LNW  
VE7VV  
W9AJ

**189**

9A2F  
AA1ON  
CT1FMX  
EA8PP  
FM5CD  
K4CN  
SM0NJO  
SP7HOV  
UA7T  
WA3C

**188**

AB4IQ  
JA1KQX  
JA8DNV  
KB0EO  
KE9ET  
KL0S  
N8LJ  
RM0F  
W1YM  
W6SR  
W8JV  
WA6YEE

**187**

AJ1H  
K0SR  
K6SRZ  
KN5O  
N2NS  
OK1CZ  
SP3FAR  
W7AWA

**186**

IK2QPR  
JA2LCP  
JA2ZL  
K0BJ  
K7LAY  
YL2TW

**185**

AB6QM  
CT1EAV  
EA6BF  
G3KWK  
IK3SWB  
K5ZD  
LA3WAA  
N4TJ  
N5UR  
OE2BZL  
SV1DPI  
UA9CBO

|                                                                                                                         |                                                                                                                             |                                                                                                                                                                                      |                                                                                                                                           |                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>184</b><br>HA5WA<br>IW0SAF<br>JF1NZW<br>K4HGX<br>K5KLA<br>KB4ET<br>N9RC<br>S57AC<br>US8UA<br>UT2UB<br>W2YJ           | W2OR<br>W7BEM<br>W8TN                                                                                                       | SP1MGM<br>W4BP<br>W4GD<br>YO7NE                                                                                                                                                      | <b>172</b><br>EA7TV<br>G3NKC<br>HB9FMN<br>IZ5MOQ<br>JA3FGJ<br>JG3IWL<br>K0DEQ<br>K1BD<br>K6FG<br>KJ0M<br>W3JX<br>W4FQT<br>WC4X            | <b>168</b><br>G3MXJ<br>HB9TKS<br>I2ZGC<br>IK2EGL<br>JA6VQA<br>JE7JDL<br>JF2UPM<br>K4XD<br>K5QY<br>K8RYU<br>KR4F<br>N4QQ<br>N8BJQ<br>PA7F<br>SP5GH<br>SP6EQZ<br>SV2AEL<br>W4SVO<br>W6VX<br>W8OI<br>WA5YNB |
| <b>183</b><br>CT1FPQ<br>HK3W<br>IT9INO<br>K8RRT<br>K8VC<br>N9MB<br>NN2L<br>ON6SAS<br>W2FP<br>W8NW                       | <b>179</b><br>IT9ELD<br>JA9NLE<br>K0TT<br>K8WK<br>N2PK<br>OK1MG<br>S57UN<br>SM4DDE<br>SV3FUP<br>W8KEN                       | <b>175</b><br>JA1CHN<br>JG0CQK<br>JH2QMT<br>JS3CTQ<br>K4DLI<br>LA5LJA<br>N7IR<br>PE1L<br>TF3SG<br>VE3FF<br>W8HC<br>WA9PIE<br>WX0V                                                    | <b>171</b><br>AA9D<br>DL6KR<br>G0EHO<br>HA9PP<br>JA6HUG<br>JR1TNE<br>K1NU<br>KI5BLU<br>N0RN<br>N4OGW<br>N7RO<br>RA3DNC<br>SV1LK<br>WA3AFS | <b>167</b><br>DK5AD<br>EC3A<br>EI6FR<br>IT9DSZ<br>K6KO<br>K8NK<br>K9MBQ<br>N0IJ<br>N3BNA<br>OH2BLD<br>PA3C<br>RA1AOB<br>RN9N<br>S51EC<br>W1YW<br>WA4LOX<br>WB0TEV<br>WC5N                                |
| <b>182</b><br>DJ9ON<br>DK3UA<br>JA1SHE<br>JA3ENN<br>JR7BDQ<br>N3OC<br>UR3EO                                             | <b>178</b><br>4Z5CX<br>EA3CJ<br>JA4MRL<br>JL1SAM<br>K2UR<br>N7XR<br>NE0U<br>SM7DLK<br>SV1JG<br>W6NWS<br>W7MEM<br>ZS1LS      | <b>174</b><br>JA0GJJ<br>JA1PPW<br>JA2XW<br>JA7MOL<br>JF7DZA<br>JK1OPL<br>JR6PGB<br>K1KI<br>K2KA<br>K3AJ<br>K4TR<br>K4WS<br>N1EN<br>OE1WHC<br>RN7F<br>UA3LNM<br>W8UV<br>W8VVG<br>WT8C | <b>170</b><br>DJ6TK<br>IK0PEA<br>JA6JPS<br>JF1WPB<br>JM1GYQ<br>K6ZZ<br>N4PY<br>SP3GTS<br>SV3KH<br>W9EVI                                   |                                                                                                                                                                                                          |
| <b>181</b><br>DK3WW<br>JA2BDR<br>JA9TWN<br>JN4MMO<br>K2EP<br>LZ2ZG<br>VE3OSZ<br>W1RM                                    | <b>177</b><br>9H1SP<br>AE5E<br>CT1GFK<br>K3WC<br>K4RG<br>K5GKC<br>K9NU<br>OK1DWC<br>PY5EW<br>SM6DHU<br>W5LT<br>W7FI<br>WB7B | <b>173</b><br>5B4ALJ<br>I1JQJ<br>JE2LPC<br>JE3ENP<br>K1NTR<br>K4XR<br>K9YC<br>KA1J<br>N5FG<br>RC9F<br>UN9L<br>VE6WQ<br>W3IP                                                          |                                                                                                                                           |                                                                                                                                                                                                          |
| <b>180</b><br>4Z5MU<br>DM2DXA<br>DM3VL<br>EA8JF<br>IK4ADE<br>JE2URF<br>K6SSS<br>K7BG<br>LA9AJA<br>N1RR<br>N4AH<br>ON5FP | <b>176</b><br>EU1AB<br>G0BLB<br>I6FLD<br>JA0DET<br>JA5IU<br>JA6BJV<br>JA8KSF<br>K8MN<br>N5OK<br>RL3FA<br>SM5FUG             |                                                                                                                                                                                      | <b>169</b><br>JA1ADT<br>JR1IZM<br>K1LI<br>N4XX<br>N7US<br>RN3OG<br>UT8MM<br>UY5AA<br>W6RW<br>W7Yaq<br>WA0MHJ<br>WB3JFS                    | <b>166</b><br>4Z1UF<br>DJ4SO<br>IV3TDM<br>JA1FNA<br>JA9LJS<br>JH2SON<br>K1KA<br>K3KY<br>K4JLD<br>K4PB<br>K4WA<br>K4ZYU<br>NY0V                                                                           |

|                                                                                                                       |                                                                                                                                                                                              |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RM3DA<br>W0DJC<br>W1RR<br>W8ILC<br>WA8TXT                                                                             | VE7SL<br>W0HT<br>W0TT<br>W1LW<br>W2XL<br>W8WEJ                                                                                                                                               | WD5BJT<br><br><b>158</b><br>AA6AA<br>CT1FCX<br>DJ4PT<br>DL1FKA<br>E70T<br>G4GIR<br>JH1TWT<br>J11FXS<br>J11NJC<br>JR1GJP<br>JR3OEH<br>K1CA<br>K5TT<br>K9GA<br>KQ4AV<br>OZ1HX<br>RU6M<br>SM4EMO<br>W0SZ<br>W1OX<br>W3GQ<br>W4QN | N7WS<br>UA3SAQ<br>VA3LX<br>W1YIF<br>W4TV<br><br><b>155</b><br>DL1RK<br>DL4SZB<br>K2LS<br>N2ZN<br>NE0DX<br>NW7E<br>SM6VR<br>W2XI<br>WE1P<br>WS5W<br>ZS6EZ<br><br><b>154</b><br>3V8SF<br>GM3PPE<br>IZ3ENH<br>JA8NFV<br>K0KVR<br>KR2Q<br>NX8Y<br>SV1CNS<br>W1NA<br>W5DNT<br>YS1RR<br><br><b>153</b><br>AJ9C<br>CU2AP<br>DF2RG<br>DL1DUO<br>DL3ZA<br>G3TJW<br>HL2CFY<br>JF1IRW<br>JR9OPJ<br>K7SP<br>K8VFX<br>KD0PO<br>LZ1PM<br>N4TV<br>N5TW<br>N8II<br>R9OK<br>SM6CLU<br>SP5CCC<br>UT5UY<br>WB8BPU<br><br><b>152</b><br>EW2A | JA2VQF<br>JT1CO<br>K9MK<br>KS3F<br>N9OY<br>S55ZZ<br>UA6IGI<br>UN7LZ<br>UT5AB<br>VE6LB<br>W1SKU<br>W1VT<br>W6RLL<br>W7AJ<br>W9JJB<br>WB3CQM<br><br><b>151</b><br>AA7G<br>DK2OY<br>EI9JF<br>F3SG<br>HB9SLO<br>JA6BEE<br>JH1NYM<br>JR1XIS<br>K2AX<br>K2FW<br>K8ROX<br>N5JB<br>OK1ATP<br>RD3A<br>RU3A<br>S54A<br>SP7AWG<br>SV9AHZ<br>W7CT<br>W7RH<br>WA1Z<br>WA2BCK<br><br><b>150</b><br>EA1AF<br>IV3RAV<br>JA1SVP<br>JA2NQG<br>JL1UXH<br>K0RS<br>K1OA<br>K5TR<br>K5VWW<br>K7LV<br>K8AJS<br>KU4XO<br>LA6OP<br>N3QE<br>N9CO |
| <b>165</b><br>DL7UCX<br>F6HDH<br>IK0AGU<br>JE7RJS<br>JH7CFX<br>K5JZ<br>KK4CB<br>N4HB<br>N9FN<br>SM4CTT<br>W5BN        | <b>161</b><br>DK2GZ<br>DL6RAI<br>HB9DHK<br>IK0FUX<br>JA1DOF<br>K1USA<br>K5GO<br>K8ND<br>LB2TB<br>N4GN<br>OE5RLM<br>OH6RA<br>VK3HJ<br>YU2TW                                                   | <b>157</b><br>AA4H<br>AC6DD<br>DL4MM<br>EA5BY<br>G3TQZ<br>HB0CC<br>JA1GHH<br>JH7IAJ<br>LY5A<br>N5MOA<br>NE9Z<br>RU4UR<br>SM3PHM<br>SV8ZS<br>W2TA<br>W5GZ<br>WS7L<br>YV2IF                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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>IW2FND<br>JA2EPW<br>JE2DZC<br>JE2OVG<br>JF2XGF<br>JR7MAZ<br>K3MSB<br>K3RA<br>NR4M<br>RU6L<br>UA0FZ<br>UX5UO<br>W1BR<br>W5XC<br>W9RN<br>WX0B | <b>156</b><br>AB9V<br>FM5BH<br>IZ8IEV<br>JE3GRQ<br>JO7HAM<br>K0QC<br>K8YSE<br>KS1J<br>N3RC<br>N3UA                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>163</b><br>9A2JK<br>DJ9HX<br>JE2LUN<br>JH4CPC<br>K7NN<br>K8TL<br>OK2QA<br>RW3RN<br>UR4CWQ<br>VE3CFK<br>W7AL        | <b>159</b><br>DL6MRS<br>JA4FKX<br>JA9APS<br>JH6QFJ<br>JL1RUC<br>K4RO<br>OK2ZV<br>UN7JX<br>W3HKK<br>W6BJH<br>W7SX                                                                             |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>162</b><br>4O3A<br>9A4W<br>F3AT<br>HB9BUN<br>IZ4DPV<br>JA6GIJ<br>JH4ALY<br>JR5JAQ<br>LB6KC<br>N8MR                 |                                                                                                                                                                                              |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| OE8SPW     | JA4DHN     | N2WM       | JH1HHC     | <b>138</b> |
| ON6AA      | JA5XAE     | N3KK       | JH4JNG     | DK8MCT     |
| SQ5EBM     | JH1GNU     | SM4OLL     | JI1DCW     | DK8YY      |
| UA6YW      | K5KV       | SM5CLE     | K2RW       | EI9FBB     |
| W2/CT1GIF  | K5SM       | W4GE       | NJ3K       | F6DDR      |
| W6DAO      | K6NR       | W7ZI       | SV3FUO     | IK8EPC     |
| WW2DX      | K7WP       | W8RLS      | W2CG       | JA3OOK     |
|            | LB5WB      | WC5M       | W3BW       | JF3LOP     |
| <b>149</b> | N7BT       | WD5T       | W4JVN      | K1RO       |
| DL7CX      | OH1JP      | YO3CD      | W4VIC      | KJ6P       |
| HB9HFN     | RN3TT      |            | W4WT       | NA5DX      |
| I0JBL      | RU0SN      | <b>143</b> | W8GNM      | OZ8X       |
| IK4FNF     | W1IZL      | DL6EN      | W8HW       | RW4CY      |
| IZ0RVI     | W1ZT       | HB9RYZ     | ZS1C       | UN7JID     |
| JL1ARF     |            | IK8GYS     |            | V51B       |
| K3TN       | <b>145</b> | IT9BLB     | <b>140</b> | W1GD       |
| K4YYL      | AF4HX      | K7CMZ      | 9A1CAL     | W2YE       |
| K7HP       | HI3T       | K7CW       | JA4OK      | W4YV       |
| K8ME       | IT9ZZO     | N2RJ       | K5WK       | W7OM       |
| R8TX       | JE6TSP     | N5UW       | K6KLY      |            |
| SM6CUK     | JH4HMG     | N6PAT      | KF8DX      | <b>137</b> |
| UW7UA      | JH7RXU     | NN4R       | N4XP       | EA1YO      |
| W0GG       | JJ3HGJ     | W0IZ       | OH6NIO     | GM3YOR     |
| W7HPW      | JK1AJX     | W6QUV      | ON7DR      | HB9IQB     |
| WB8B       | K3VAT      | WB8CQV     | UN1L       | IZ2FOS     |
| WD5K       | K4OY       | WB8ZRV     | VE6SV      | JA3APU     |
| YO3DDZ     | K8BL       | WD9DZV     | W0SEI      | K2QMF      |
|            | KF6HI      |            | W4NU       | K8NS       |
| <b>148</b> | KR0P       | <b>142</b> | W7IV       | RA3CO      |
| DK2CC      | N1CGP      | AB9M       | W8LWU      | RG7G       |
| F5CQ       | N4GG       | I5HOR      | WO2T       | UU1JA      |
| F5LVL      | N6PSE      | JA2ATE     | YL2MU      | W1ITU      |
| F5PAC      | N8OC       | JH0BQX     | YO9FNP     | W5ODD      |
| G4FTC      | OE6VIE     | JR2LJO     |            | WB5JID     |
| JA9RRH     | RT0F       | JR7WFC     | <b>139</b> |            |
| JH1QDB     | SM3DTR     | K3PP       | DF7EE      | <b>136</b> |
| N2WB       | W5ADD      | K4WZ       | DJ4XA      | E72U       |
| N5XZ       |            | K6EME      | DL5EBE     | ER0FEO     |
| NE3F       | <b>144</b> | KK1W       | DL8OH      | IK8CNT     |
| W5FKX      | CU3EQ      | KM3T       | DS1JFY     | IU0HDC     |
|            | DL5CW      | MM0SAJ     | HB9CQK     | K0TV       |
| <b>147</b> | DL5KUA     | N7QT       | JA1TMG     | K4ZO       |
| AA8CH      | EI6IZ      | NA4D       | K2RET      | K7TM       |
| IV3VBM     | GM3ITN     | NQ7R       | K3ANS      | KR6C       |
| JA1XQC     | HB9BYQ     | NY2NY      | K6AM       | OK1DW      |
| JN1BMX     | HS0ZEE     | OK1DO      | K8GI       | SM3GQP     |
| K8UT       | I5MXX      | W2OO       | K8RF       | SM5OJH     |
| KM1H       | IT9GSF     | W5LUA      | KA8SYV     | SP2BMX     |
| N1IBM      | IV3DXW     | W5VQ       | KU0A       | SP6JIU     |
| NA5C       | IZ4GWE     | WA5POK     | LA8WG      | UT3UZ      |
| PC3T       | JA3GN      |            | OK1MP*     | UW8SM      |
| W1OP       | JE1FQV     | <b>141</b> | SM5CBM     | W2OIB      |
| W2KKZ      | K0VSH      | AC9S       | SV8ZC      | WB7QXU     |
|            | KJ9C       | DL5MHQ     | W0SD       |            |
| <b>146</b> | LA9GX      | EW1BA      | WA8WV      | <b>135</b> |
| EU4A       | LA9VFA     | HB9FMT     |            | 5B4MF      |
| JA1HQG     | N1IX       | JA1PTJ     |            | AG1A       |



|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| BA4RF      | EU1U       | K6SIK      | N3KS       | OE8HIK     |
| DJ9ZB      | G4XEE      | K9DR       | N3RR       | SK7AX      |
| F6FXU      | IK5DNF     | KC2LSD     | PA3EWP     | SP6A       |
| IZ7EVZ     | IZ8DFO     | KH2L       | W0YVA      | SP7ASZ     |
| JA2KVD     | JA6CBG     | KM3V       | W7QHE      | W0CP       |
| JA7LMZ     | JA7GLB     | KM4H       | W8MET      | W0RT       |
| JA8BNP     | JA9AGN     | N3MK       | W8MK       | W3BG       |
| JA8JL      | JR6FC      | N4QWZ      |            | W3FOX      |
| K1ZE       | JR7FRW     | N5PHT*     | <b>128</b> | W3MF       |
| K4TT       | K2CDJ      | N6RK       | AA4SC      | W8LMG      |
| K4ZRJ      | KS4YT      | ON4ON      | DM2RM      | XE1KK      |
| K7FL       | KU2A       | PY5EG      | IK2SGB     |            |
| K7XB       | OE1KM      | R0SR       | JA1XCZ     | <b>126</b> |
| NZ9R       | RA5BM      | R9MJ       | JA2AHH     | DJ8WD      |
| R3VA       | RV4LC      | R9SA       | JA2KSP     | F8BPN      |
| R7LP       | UQ2PZ      | W8DCH      | JA5FDJ     | G4IUF      |
| RN3RQ      | VE3WT      | W8KA       | JA9AA      | JA7KY      |
| SM3LGO     | W0NFL      | ZS1A       | JE1LFX     | JH3CUL     |
| SM5CZK     | W1OPD      |            | JH4GJR     | JJ1DWT     |
| SP3XR      | W2QO       | <b>130</b> | K0FF       | K2ZD       |
| SV5DKL     | W5AJ       | DF9ZW      | K3XA       | K4JKB      |
| UB3A       |            | E73M       | K4JAF      | K4XU       |
| W1DIG      | <b>132</b> | EI2JD      | K4SE       | N8NA       |
| W1EQ       | AA4NC      | G7VJR      | K6LPO      | OK3CQD     |
| W2GD       | AD6W       | HK0HEU     | KG7CW      | PA5TT      |
| W4BUW      | G3UHU      | IK3XJP     | KM4NS      | VE3CX      |
| W4MBD      | IK3VBB     | JA2FBC     | N5KM       | VE7BV      |
| W4RFZ      | IT9RDG     | JG1DUZ     | N9RD       | W8REW      |
| W6DR       | K6YUI      | J14POR     | OE3SGU     | W9ILY      |
| W6JTI      | K9ZM       | K2MYR      | OZ1IKY     | WB2REM     |
| WE4S       | N6HY       | K3NK       | R9SG       | WD4LBR     |
|            | OZ2RH      | K7LFY      | S53X       | YU1EXY     |
| <b>134</b> | SM4BZH     | K8BCK      | S55DX      |            |
| CT3HF      | SM6BGG     | K9GL       | SV3DCX     | <b>125</b> |
| HA1RB      | SP6M       | KO8SCA     | US8UW      | 9A1AD      |
| IK4DCS     | VE3CRG     | NA4EA      | VQ9LA      | GW3TMP     |
| JA7LGE     | W4AXL      | NO9E       | W2WC       | HK4SAN     |
| K1TO       | W4RBO      | OZ2ABI     | W4IS       | IW0HEX     |
| K1ZN       | W4WM       | R5QA       | W6RKC      | JA4IYL     |
| K3OX       | W5SL       | R9AB       | WB0O       | JA6VU      |
| K5VIP      | W7AH       | RU1AO      | ZS6UT      | JE1TSD     |
| KX4TT      | W7CD       | S51NM      |            | JE6UWU     |
| N9MR*      | W9FR       | TA1CM      | <b>127</b> | JF2WXS     |
| N9RS       | WB3D       | VE3DO      | AC9EM      | JH1AGU     |
| OE1TKW     | XE2S       | W2MPK      | CT3KN      | J14WAO     |
| OH1ZK      |            | W9ZT       | HK1MW      | K1HAP      |
| ON4CAS     | <b>131</b> |            | JA1DDH     | K5KG       |
| PY5HOT     | DK7YY      | <b>129</b> | JA1WLO     | K9GWH      |
| RG6G       | DL9FCY     | HB9AZZ     | JA8RJE     | KA6BIM     |
| RX4HW      | HS1NGR     | JA1NWD     | JA9KRO     | K14WCQ     |
| SM0BYD     | IV3KFB     | JA8JO      | JH3AIU     | LZ1XL      |
| UA0ACG     | JA0AOO     | JK1EXO     | JN1RQV     | N2KA       |
| W4JKC      | JA2TBS     | K6XM       | JS2LHI     | N3EN       |
| YU1AM      | JH4ADK     | K8DV       | K0RW       | N4JT       |
|            | JJ1TEA     | LB7ZG      | K3TRM      | ND5S       |
| <b>133</b> | JM1FHL     | N0YY       | N1AC       | NW6S       |
| 9K2NO      | K1UU       | N2BJ       | N1GC       | OE1AZS     |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| RA0BA      | NA9RB      | UU2JQ      | <b>119</b> | W4DAO      |
| UU7JM      | S50B       | VA3AYA     | AA3AZ      | W4NJ       |
| VE3UTT     | UA3DK      | W0QQ       | AE3T       | W5JMW      |
| W5DAW      | UR9QQ      | W2GG       | AJ4A       | W5VY       |
| W9CG*      | UT3QU      | W3RJW      | DK3GG      | WX3P       |
| W9DX       | W1AO       | W6XI       | DL9OBY     | YO4AUL     |
| WV4TN*     | W4NF       | W9FI       | EW4M       |            |
| YO2RR      | W8NJR      | W9XX       | G4DJJ      | <b>117</b> |
|            | XE1H       | W9YE       | HB9AAQ     | 9K2OD      |
| <b>124</b> | <b>122</b> | WA1PMA     | HB9BCI     | 9Y4VU      |
| AA7XT      | G3NDC      | WY1G       | I2TZK      | AE0P       |
| AB1OC      | IU0LFQ     | XE1VIC     | I4MKN      | BH4IGO     |
| JI1DHY     | JA1MRM     | <b>120</b> | IK0ZIO     | DL1DWT     |
| K3FRK      | K1BZ       | 9A5F       | JA3AZD     | G3PLP      |
| KD2T       | K1ESE      | AA4DD      | JA4XGC     | IT9DAA     |
| KD4POJ     | K1YT       | AA5JF      | JE2JMV     | JA1HQT     |
| KZ5DX      | K2MP       | AL7TC      | JH6CDI     | JA4FM      |
| NA2U       | K7ZA       | DL2VWR     | K5UZ       | JA7GYP     |
| PA0TCA     | LA7WCA     | FG5FR      | K7EG       | JA7IC      |
| UA0BA      | LA8PT      | HB9BLQ     | K8KWT      | JM3GXU     |
| VA7CRZ     | N3NR       | IZ0LKV     | N0KV       | JR2UBS     |
| VE1DUN     | N9AW       | IZ5NFD     | N4DJ       | K2BB       |
| W2JU       | NN7X       | JA4EPE     | N9UA       | K6PJ       |
| W2RIJ      | OZ3Y       | JR3UIC     | NT2A       | K8OOK      |
| W3FM       | RD4A       | JR6LLN     | NY7T       | K8QM       |
| W6CYX      | SP9WZS     | K2BA       | OH5NG      | K9FN       |
| WB8K       | UU4JMG     | K2HK       | OK1DT      | N2JJ       |
| WT4Q       | VE6AX      | K3QIA      | R6FFB      | N4IR       |
|            | VK4CAG     | K9SG       | SV1ACK     | N8AA       |
| <b>123</b> | W2TB       | KA8ZPE     | W4HZ       | N8XI       |
| AC4TO      | WA3I       | N4BAF      | W8FIB      | NY4G       |
| DL7JRD     | WA7BNG     | N4LR       | WC2K       | ON5UE      |
| F4GTB      |            | N4TB       | XE1RCS     | OZ5HP      |
| G4WFQ      | <b>121</b> | N4UFP      |            | SM7BIC     |
| G5LP       | AA6RR      | OE3EVA     | <b>118</b> | SP8HKT     |
| HB0WR      | DF1DB      | OZ2A       | 5T5PA      | TZ4AM      |
| IK2CHZ     | DK1EI      | PZ5RA      | AB2E       | UA6J       |
| JA0CRG     | DK6CQ      | RL3BZ      | DL5OCE     | UR9IDX     |
| JA1SJV     | EI2GLB     | SP3PLD     | JA4FHE     | W3ICM      |
| JA3MHA     | HB9DHG     | SP7ITB     | J18DGO     | W4ZRZ      |
| JA6WJL     | IT9AAI     | SV1IW      | JN7DOS     | W6SL       |
| JR1EBE     | JA2HYD     | UR5IKN     | K3WGR      | W8ZR       |
| K2PK       | K3NF       | US0YA      | K4CNW      | W9HBH      |
| K3XO       | KD8RQE     | US1CT      | K5XM       |            |
| K4ZIN      | KG9Z       | VE3YF      | K7PI       | <b>116</b> |
| K5GH       | KV4AA      | W0RX       | K8LN       | AJ4F       |
| K5JC       | N0OK       | W2YR       | K8WVA      | DL7URH     |
| K6FW       | N1JP       | W3OA       | KD6UO      | EA5BRE     |
| K7UT       | N3ND       | W4PRO      | KG8CW      | HA7PF      |
| K9CS       | N4TL       | W6RFL      | LZ2HM      | HB9CEX     |
| KV4T       | N6HC       | W7RN       | N2MM       | HB9EFK     |
| N2ED       | N8PW       | WA2USA     | N5BO       | IK0EIE     |
| N4DWK      | SV1AHX     | WP3R       | N6MB       | IK2OHG     |
| N6MZ       | SV1FKZ     | ZL4AS      | PY2PA      | IK7YZG     |
| N9JV       | UQ1GWW     |            | SV9COL     | IT9TQH     |
| N9LQ       | UT4EO      |            | TA2RC      | IV3HYD     |
| NA2P       |            |            | W1KSZ      | JA1WTI     |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| JE2EHP     | BA7IO      | KT1J       | N6MA       | W4HOG      |
| JH3GCN     | CT3FN      | N6PE       | N9HF       | W4OX       |
| K1DC       | CU3AK      | N7KO       | RU4SU      | W5AQ       |
| K1RI       | DL6NB      | N9ISN      | SM3DMP     | W7VS       |
| K6RO       | DL6UAA     | NA3F       | UA1ACG     | W8MIL      |
| KT1V       | EI8IU      | NG0G       | UA1CEI     | W9RB       |
| KV1J       | F6CWA      | NI5F       | UT6UD      | WA2MUA     |
| NA9Q       | G3SDL      | NK5B       | VE7XF      | WB4TDH     |
| OH8LXT     | HP3TA      | NZ3M       | W1HEO      | WB9EEE     |
| OZ1LCG     | I5OYY      | R7NA       | W2CVW      | YL3DQ      |
| PA0JSE     | JA1OVD     | RA4UN      | W2SKI      | YO6HOY     |
| RV3ID      | JA4BXL     | RZ3AUL     | W3UL       |            |
| UA4PCM     | JA4KDT     | SM5ARL     | W4VHF      | <b>110</b> |
| W1ENE      | JH6WMJ     | SP3EPG     | W5VX       | BA4MY      |
| W1WEF      | K1RV       | SV1JFV     | W6KK       | DL1VDL     |
| W7GG       | K2DC       | SV2AVP     | W6TC       | EA5BYP     |
| W7OEV      | K2HAT      | UN7TW      | W8GEX      | F5BAR      |
| W8LRO      | K3MD       | VE3KI      | W8HMK      | G3LNS      |
| WQ5L       | K3OSX      | W2GW       | W9SE       | G8AJM      |
|            | K5CD       | W6BK       | WA8OLN     | HI8R       |
| <b>115</b> | K5RJ       | W8FAX      | ZP6CW      | I2BBJ      |
| C6AGU      | KB8U       | W9VNE      |            | IK5RUN     |
| CU2CE      | KZ4V       | WA2BOT     | <b>111</b> | IZ2EWR     |
| DL9GOA     | N1QY       | WA4DOU     | AA4U       | J68HZ      |
| G8BCG      | N3MN       | WB2HJV     | AF4OX      | JA7EPO     |
| G8DX       | N4IQ       | WB2UFF     | CU3AN      | JE2UFF     |
| HA5UK      | NU8Z       | WS4C       | DG7RO      | JH1VHU     |
| HK3PJ      | UA3FT      | ZL1BYZ     | DK2WH      | K2BLA      |
| IZ0CKJ     | W0VX       |            | DK6ED      | K3JRR      |
| IZ7JVR     | W3MR       | <b>112</b> | DL1HRN     | K3PH       |
| JA2KNW     | W4TUN      | A92IO      | EV1R       | K4WW       |
| JA3NHL     | WA1FCN     | DJ1RL      | F6ECI      | K6MI       |
| JA5WIZ     | WA4CEM     | DK5RL      | G4DBN      | K6VKO      |
| JG3LGD     | WA8MCD     | DL5CL      | HC1BI      | KB4MRX     |
| JH1RFM     | WA9YYY     | EA1JO      | HL3GOB     | KC2STA     |
| K0GD       | WN9O       | EW1DO      | IK8UHA     | N2CG       |
| K0SD       | WT9U       | G3XGC      | JA1AUD     | N3HBX      |
| K4CMS      | XE1RBV     | HB9CRV     | JA1FGB     | N3IQ       |
| K4GHS      | XE3ARV     | HB9G       | JA1NCZ     | N3JB       |
| K4GK       |            | IK2ANI     | JE8TGI     | N4KE       |
| K8YTO      | <b>113</b> | IU8FRE     | K0FLY      | NC6K       |
| LY4T       | 9A1A       | IZ4DIW     | K5WAF      | NK7C       |
| N0IRM      | DJ5DT      | JA1SXR     | K7ORK      | NY4I       |
| N4OA       | DJ8ES      | JA7BXS     | K9AJ       | RD9M       |
| N8KOL      | DJ9RR      | JF2WGN     | KM1R       | SM5BHW     |
| PA3AXU     | DL8CM      | JR7TEQ     | KP4AA      | SV1VS      |
| RZ6MJ      | DL8DYL     | K0JPL      | KZ0X       | UA3O       |
| UA1ANA     | DL9GTB     | K1EDG      | LA0CX      | US7MM      |
| UA1CGS     | G4AFJ      | K1EO       | N4WJ       | W0UY       |
| UA6XT      | JA0GCI     | K1KO       | N7BD       | W3XY       |
| UN6T       | JA4ITW     | K4UAS      | NA1DX      | W4DC       |
| W4UCK      | JH1ORA     | K8CC       | UR6QA      | W4NE       |
| YL2CZ      | K0TPP      | KB2FCV     | VE6KC      | W5ZPA      |
|            | K8SL       | KI4DLS     | VE7CT      | WL7E       |
| <b>114</b> | KA4RRU     | KM1C       | VE7UF      | XE1FAS     |
| AB4GE      | KH6DX      | LA8HGA     | W0VHF      | YU7AU      |
| BA4DW      | KI0G       | N5ZC       | W1FO       | ZL3NW      |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| <b>109</b> | K4YJ       | JR1BAS     | JG5RVQ     | JA1BWA     |
| DF1KG      | K6UT       | K0MD       | JH2KKW     | JA1TAA     |
| EA3GHZ     | K8OM       | K1TZQ      | JH6PFY     | JA6VA      |
| EU4T       | KM8AM      | K3SW       | JJ0NCC     | JA7BME     |
| F8EZE      | KN4JX      | K3YBN      | JR0EQQ     | JA8RRF     |
| G3SVD      | KX2A       | K4MS       | K0DEW      | JA9APM     |
| IW0HQE     | KZ1W       | K8LBT      | K1PX       | JF1RYU     |
| JA2CXF     | LU2DKT     | K8ZR       | K4DSE      | JF2VAX     |
| K2CJ       | LZ3YY      | KB9DAK     | K5AM       | JO4CFV     |
| K2ONP      | N2DPF      | KE2R       | K5ZQ       | K1DJ       |
| K4RDU      | N4MEC      | N2RR       | K8JJC      | K2XF       |
| K4SAF      | N6RFM      | N3DAP      | KD9HL      | K5AV       |
| K5FZ       | N9SF       | N4RF       | KK8X       | K6DJ       |
| K5KA       | N9TF       | N6EE       | KK9H       | K7OX       |
| K5KPE      | NU4Y       | N8AGU      | KQ3F       | K7PO       |
| K6MW       | PA0ZH      | N9PGG      | N0JZ       | K9RO       |
| KA9UVY     | R5FY       | NA5Q       | N2CW       | KI5T       |
| KE1F       | R7LA       | NE1F       | N2SQW      | KT2E       |
| N1BZ       | RA1OHX     | OE1CP      | N3XM       | LZ1JZ      |
| N2WLG      | RX6DX      | OK2BUZ     | N8AID      | N4JI       |
| N7TY       | S57J       | OK3CQR     | NA5Z       | N4NW       |
| N8NN       | SM6AOU     | R0FA       | NI5M       | N4PL       |
| ND4V       | UX7UN      | RN4AA      | NS3L       | N4SC       |
| NN4RR      | UZ6LWZ     | RV6ARZ     | OE5CSP     | N4VN       |
| NU4I       | W2UB       | SP3BQD     | OH2OT      | N6NU       |
| NX7U       | W3NRJ      | SP6AXW     | OK1AYU     | N7DR       |
| PY5CC      | W4ZYT      | US5CB      | OK2BVG     | ND3L       |
| RW4UU      | W7ACD      | VE3OI      | S57AL      | ON7PQ      |
| RW9QA      | W8IW       | VK3NX      | UR3CRO     | OZ4AAL     |
| RX3AGD     | WA2ALY     | W3KB       | UT7UU      | PF7M       |
| TG9NX      | WA8MOA     | W4MAY      | UU5WW      | PJ2/K8ND   |
| UB5ZAL     | WB8BZK     | W6TDX      | V73AZ      | PY2DS      |
| UT7KF      | WC1M       | W8VK       | VQ9SS      | R6YY       |
| VU2CPL     | WC6DX      | W9CPV      | W1CWU      | RA6AF      |
| W5WP       | WD9EQU     | WA0RVK     | W2EQ       | RD4WM      |
| WB5TUF     | WW1WW      | WB6CJT     | W2LE       | SP5JXK     |
| WN0L       | ZS2DL      | WB8ART     | W2NO       | UA6LCN     |
| YV3AGT     |            | WS1L       | W4IR       | UR1RWX     |
|            | <b>107</b> | XE2YWH     | W5JAY      | UR2RGN     |
|            | 4Z5LA      | YL1XZ      | W5KI       | VE1PZ      |
| <b>108</b> | DK3FB      | ZL3RJ      | W8OP       | VR2MY      |
| AI2Q       | DL1QQ      |            | WA4MYO     | VY2ZM      |
| AL7R       | DL2CHN     | <b>106</b> | WA6TLA     | W1LE       |
| DL6CNG     | DL5XU      | AA4FL      | YL2GN      | W1LY       |
| ER1LW      | DO4DXA     | AE2U       | YU3EF      | W1MRH      |
| G3VAO      | EA5AT      | DJ6OZ      |            | W4OWY      |
| HB9BAT     | EA7QW      | DL2NOM     | <b>105</b> | W6FF       |
| HB9FAN     | FG8OJ      | DL3JSW     | DF2PI      | WQ5W       |
| IK0PRG     | G4AKY      | DL6JZ      | DF8AA      | YU1NR      |
| IZ0BTV     | G4RGK      | EA1CP      | DJ3XD      |            |
| JA2MOG     | I5IHE      | EA3CCN     | DJ6KH      | <b>104</b> |
| JJ2PIK     | IT9XTP     | HA8DZ      | DL4ZAB     | 9M2AX      |
| JK1MZT     | JA4EVN     | IW3GJF     | DL6XK      | AD1C       |
| K1EP       | JA5EY      | JA1VLK     | DO1CTL     | AG4Q       |
| K1XM       | JA6OXT     | JA2MNB     | ES1GO      | AH0U       |
| K2KQ       | JA8JTH     | JE6IGP     | G3YUV      | CP8HD      |
| K2MK       | JH9DRL     | JG3HBO     | HA8FW      | CX3CE      |
| K4WY       |            |            |            |            |

|          |            |            |        |            |
|----------|------------|------------|--------|------------|
| DK3BK    | UT7EC      | KJ7WY      | JA0HXV | <b>101</b> |
| DL4FAP   | UX4UM      | KM9E       | JA8OW  | AA2VG      |
| DL7UPN   | UY0MM      | KQ5M       | K0YN   | AA3LX      |
| E73D     | VE3VHB     | LX1DA      | K1PTF  | AA4NU      |
| EA8ZS    | W0YBS      | N0RU       | K2LP   | AC2AC      |
| EI9E     | W1QA       | N1HOQ      | K2TK   | AC5O       |
| F6AJA    | W3DRY      | N9BBQ      | K3KG   | CT1JGA     |
| F8GB     | W3TMZ      | NU1T       | K4AQQ  | D44BC      |
| G3BRD    | W5BK       | OH3GD      | K4KAY  | DH2FW      |
| HB9CIP   | W5CWQ      | OK1DQT     | K5ZO   | DK9WI      |
| HK3O     | W5GJ       | OK2BQU     | K7BHM  | DL1KS      |
| IK0DWN   | W5ZO       | OK3BRK     | K7UA   | DL3ANK     |
| IZ4MJP   | W6PH       | OZ7JZ      | K8BHZ  | DL5JS      |
| JA1JAT   | W7DR       | R9GM       | KJ6NZ  | DM3ML      |
| JA1SDV   | WA0I       | RA0FA      | KN4KL  | EA1WX      |
| JA2FGL   | WA9ETW     | RA4HT      | KW4BY  | EU1TT      |
| JF1EGO   | YC0LOW     | RK3QY      | KY6R   | G3ZFC      |
| JF6WTY   | YO2CMI     | RU3OW      | LA3ANA | G4FJK      |
| JK1BSM   | YO5ODE     | SM3CBR     | LA6UL  | GM3WTA     |
| JO1WXO   |            | SM6EHY     | N5RZ   | HB9NL      |
| K0WK     | <b>103</b> | SM7BHH     | OH2EA  | IK5ZUK     |
| K1BG     | AG1I       | UA3PFN     | OK1DTN | IV3GOW     |
| K3FM     | AI3Q       | US2WU      | OK1JDX | IV3KCB     |
| K4KEW    | DJ1MM      | UT2AB      | OK3CSQ | JA1VVX     |
| K4MF     | DJ3GZ      | VA2ZO      | PA7TWO | JA2VMU     |
| K4VIG    | DJ7PI      | VA3IC      | PV8ABC | JA6TMU     |
| K5HK     | DL2HX      | VE3EDY     | PY2DO  | JA7SFD     |
| K6UM     | DL8YRM     | VE3MFA     | R2AB   | JE1PHH     |
| K7TJR    | DM5TI      | VE3VV      | R3IS   | JF1RPZ     |
| K9EA     | DS3HWS     | W0QC       | RU3UN  | JH3HGH     |
| KA2BZS   | EA7SG      | W0UVC      | S59DJK | JH3PRR     |
| KH6KG/W5 | EU6MM      | W1CTN      | SM6WET | JH7BKN     |
| KI0KB    | EW3LB      | W4AVY      | SP5MXZ | JI3KDH     |
| KW0A     | G3BDQ      | W4MZ       | T77V   | K0LW       |
| LZ2XF    | G3OIL      | W5THT      | UA1AIR | K1YR       |
| N3ER     | G4AAW      | W5VU       | UA1CKC | K2BX       |
| N3TR     | G4PUQ      | W6SZN      | UA6HOF | K3SEW      |
| N4GU     | G4VGO      | YO7APA     | UA9MR  | K4NNX      |
| N4TTE    | I0OSI      |            | UA9UCO | K5DNL      |
| N6PF     | JA2GQO     | <b>102</b> | UW7CN  | K5WE       |
| N6WM     | JA2OLJ     | A6/RV6LNA  | VE2FYR | K6AAW      |
| N8MZ     | JA3FHL     | CT4BD      | W0JMP  | K6XJ       |
| N9DR     | JA8EJO     | DK3QM      | W1AW   | K7AR       |
| NJ9C     | JE1SYN     | DL3DXX     | W1PV   | K7IA       |
| NN3Q     | JH1DGQ     | DL3NCR     | W2LW   | K8BN       |
| OH4UI    | JM2RUV     | DL4CW      | W2TX   | K8YYY      |
| PA0GMM   | K0EOO      | DL4KUG     | W3EKT  | K9JU       |
| RA1QX    | K2TER      | DL5RDI     | W4ALF  | K9PG       |
| RU3UR    | K2UVV      | EA8AKN     | W4KK   | KC4PX      |
| RZ6DX    | K4LQ       | EI4DQ      | W5TO   | KD3UY      |
| RZ6LB    | K5JUC      | EI6GF      | W7IUV  | KE1VT      |
| SM5CCE   | K7BTW      | ES5RW      | WA0IDK | KE4S       |
| SM7CQY   | K8CCV      | F6BWO      | WA1S   | KF7NN      |
| SO5AS    | K9MUG      | FM5WD      | WD8DSB | KN6J       |
| UA9FGJ   | K9XJ       | HB9AHL     | WS4Y   | KQ1F       |
| US5CAO   | KE1IU      | I8LWL      | WW5G   | KS4XQ      |
| UT4EK    | KJ4R       | IT9SFT     | YO2IS  | LA2GV      |

|        |            |        |        |
|--------|------------|--------|--------|
| LZ1XZ  | YO6BHN     | K8CS   | S59SV  |
| N0STL  | YV4DYJ     | K8LE   | SM0CXU |
| N2AJ   | ZS1J       | K9NZ   | SV1FJP |
| N5AQ   |            | KB0EL  | SV1VJ  |
| N8AG   | <b>100</b> | KB1HY  | SV2DSJ |
| N9JCS  | 9M6YBG     | KC0V   | TI5CDA |
| NX2X   | A41ZZ      | KC4D   | UA3AKI |
| OA4TT  | AA4AK      | KC5LT  | UA4PAY |
| OE3WQB | AA4UC      | KD8BZY | UA6CEY |
| OH3TY  | AB4VV      | KP4N   | UN6P   |
| OK1PGF | AC4VM      | LA8W   | UR4CW  |
| OK2BOB | AI2S       | LU5OM  | UR4LRG |
| OK3EY  | DJ6OI      | LU5YF  | UR8IDX |
| OK4MM  | DK8MM      | MM0SJH | VE1RGB |
| ON4LG  | DL1TPY     | N0AH   | VE3OAT |
| PA4WM  | DL1TRK     | N0ATQ  | VE7JKZ |
| RA3AH  | DU7ET      | N1GFV  | VP2VA  |
| RA4P   | EA2AAZ     | N1KI   | VR2PX  |
| RA4SD  | EA3ALD     | N1MD   | W0GYH  |
| RB7GG  | EA8AXT     | N2SG   | W0MU   |
| RK9F   | EC5A       | N2XQM  | W1AN   |
| RY6M   | EI3ISB     | N3AF   | W1YRC  |
| SM2DMU | ES5NC      | N4CRI  | W2CCC  |
| SM7NDX | FM5GU      | N4ZR   | W3BBO  |
| SP7JLH | G0VXE      | N7DED  | W4HHN  |
| SV1PL  | G4CGG      | N7TK   | W4OEP  |
| UA0FDX | GM3ZSP     | N8IL   | W4OV   |
| UG6GAW | I2VGW      | N8NB   | W6WA   |
| UR5WIF | IK0HFO     | N8OQ   | W7DT   |
| UR7CQ  | IK4MSV     | N9ADG  | W7JET  |
| UT1CC  | IS0/YO3RA  | NA6O   | W8CNL  |
| UT4IS  | IT9CVO     | NB3R   | W8FN   |
| UT7HA  | IW0BYL     | NG7A   | W8GDQ  |
| VE2OJ  | JA1BRK     | NJ3I   | WB4SON |
| VE3ARF | JA1CPU     | NN4SS  | WB8TGY |
| VE3XB  | JA1ILA     | OE5JDL | WU2M   |
| VK2GR  | JA4FSH     | OK1DXD | YB1TJ  |
| W1FC   | JA5DQH     | OK2PAZ | YL2SM  |
| W1GF   | JA9CGW     | ON4ANN | YO9FLD |
| W2SF   | JF3DRI     | ON7EH  | ZP9MCE |
| W3WH   | JH7XPW     | ON7GB  |        |
| W4BUE  | JS6TWW     | ON9CC  |        |
| W4PM   | K0LB       | OT1A   |        |
| W5RF   | K0XM       | OZ1ZD  |        |
| W7AV   | K1NA       | PA0INA |        |
| W7CB   | K1NZ       | PA7RA  |        |
| W8GB   | K2CBI      | PY7DJ  |        |
| W9MAF  | K2CYE      | R3PJN  |        |
| W9ZCL  | K3TZV      | R9JX   |        |
| WA3EKL | K4FT       | RA3SD  |        |
| WA3PTF | K4KGG      | RA4LW  |        |
| WB3HLH | K4KSY      | RA6XB  |        |
| WC4H   | K4QS       | RC2A   |        |
| WK9U   | K4UQC      | RN1A   |        |
| WR2G   | K7VIC      | RT5A   |        |
| WV9L   | K8BZ       | RU3GF  |        |
| YO2OXD | K8CR       | S53MJ  |        |