

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

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

|                                              |                                                                |                                                                                             |                                                                             |                                                                               |
|----------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>344</b><br>W8LRL                          | <b>326</b><br>EY8MM<br>S50A                                    | <b>317</b><br>I4EAT*<br>K5RK<br>OH3SR<br>W3LPL                                              | W5IZ                                                                        | UA6A                                                                          |
| <b>341</b><br>EA8AK                          | <b>325</b><br>K4PI<br>K9UWA<br>ON4UN*<br>SP5EWY<br>UA2FF       | <b>316</b><br>OG2M<br>PE5T<br>W2VO                                                          | <b>310</b><br>RA3CQ<br>SM5BFJ<br>SM6CVX                                     | <b>304</b><br>DJ0MDR<br>GM3YTS<br>N4JJ*                                       |
| <b>340</b><br>K1ZM                           | <b>324</b><br>K2TQC<br>OH2BO<br>W1NG                           | <b>315</b><br>S50U<br>W1JR                                                                  | <b>309</b><br>IK4MGP<br>W3GH*                                               | <b>303</b><br>F5LGE<br>G0JHC<br>JA1BK<br>K1UO<br>K9QVB*<br>RU3DX              |
| <b>339</b><br>W4DR<br>W4ZV                   | <b>322</b><br>UX0UN<br>W3UR                                    | <b>314</b><br>GM3POI<br>IK4GME<br>NX4D<br>OE3GCU<br>OK3GU<br>OZ1LO<br>RW2A<br>UA4CR         | <b>308</b><br>IV3PRK<br>K4SV<br>K8GG<br>N4RJ<br>OH5VT<br>SV8JE<br>UT3UA     | <b>302</b><br>JA2JPA<br>N3XX<br>OE1WEU<br>SM3EVR<br>SP3EPK<br>SV1FJA<br>SV8CS |
| <b>336</b><br>OH2BU                          | <b>321</b><br>K5NA*<br>SM4HCM<br>WB9Z                          | <b>313</b><br>OZ7YY                                                                         | <b>307</b><br>CT1EEB<br>DJ7MI<br>VE3EJ                                      | <b>301</b><br>DL9KR<br>F6BKI<br>JA4DND<br>LZ2JE<br>N1RJ<br>PA3FQA             |
| <b>335</b><br>R7LV                           | <b>320</b><br>K8MFO<br>W8UVZ                                   | <b>312</b><br>OH1MA<br>S54E                                                                 | <b>306</b><br>DL4MCF<br>EA6SX<br>K4CIA<br>N4IS<br>SM0AJU<br>WT3Q<br>YU1FW   | <b>300</b><br>G3KMA<br>I2ZFD<br>JA4LXY<br>K4TEA<br>VA3EF                      |
| <b>334</b><br>N4WW<br>VE1ZZ*                 | <b>319</b><br>N0XA<br>N1DG<br>RA7A<br>SM4CAN<br>UT5UGR<br>W9ZR | <b>311</b><br>DF3CB<br>DJ6RX<br>DJ9KG<br>G3PQA<br>I4AVG<br>I4EWH<br>KJ9I<br>RZ3AM<br>SP2FAX | <b>305</b><br>GM3GAV<br>JA4LKB<br>JA7NI<br>K4ZW<br>NN4T<br>RW3PZ*<br>SM3GSK | <b>299</b><br>EU7A<br>N1BUG                                                   |
| <b>332</b><br>UR0MC<br>UT7QF                 | <b>318</b><br>4X4DK<br>IK4WMA                                  |                                                                                             |                                                                             |                                                                               |
| <b>331</b><br>K5UR<br>LZ2DF<br>R4GM<br>UA4CC |                                                                |                                                                                             |                                                                             |                                                                               |
| <b>330</b><br>AA1K<br>HA0DU<br>OH1XX         |                                                                |                                                                                             |                                                                             |                                                                               |
| <b>329</b><br>K3UL<br>UA4HBW                 |                                                                |                                                                                             |                                                                             |                                                                               |

|                                                                                               |                                                                                    |                                                                                                 |                                                                                                |                                                                            |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| UX1UA<br>W7UT                                                                                 | R7FK*<br>SM5AQD<br>SV1AOZ<br>W3YX<br>W8TOP                                         | <b>284</b><br>HB9BIN<br>IK6DLK<br>JH4IFF<br>NJ6P<br>UX1AA<br>W0BV                               | F5NBU<br>F6BEE<br>HB9AMO<br>K5DU<br>RU3FM<br>SP9DWT<br>VE2TZT                                  | <b>271</b><br>G4GED<br>JA5AUC<br>KD5M<br>OZ1CTK                            |
| <b>298</b><br>9A2AJ<br>9A7V<br>DF2UU<br>IK2DFZ<br>OE6IMD<br>OZ3PZ<br>RA3DX<br>SM5CEU<br>W0FLS | <b>291</b><br>CT1APE<br>K4WM<br>KD9SV<br>R7NW<br>SM6CMU<br>SP3E<br>UA3LAR<br>UT7UJ | <b>283</b><br>9A2EU<br>JA5EXW<br>K4SO<br>K8KS<br>K9CT<br>NA0Y<br>NO3M<br>R3OK<br>SM6DHF<br>W2YC | <b>277</b><br>AA4MM<br>DJ9VA<br>DK5WL<br>IK5BAF<br>K1ZZ<br>OH3BU<br>ON7TK                      | <b>270</b><br>AA1V<br>K6ND<br>OE5KE<br>SV8BHN                              |
| <b>297</b><br>DK5PR<br>N4CC<br>OM2XW<br>W0CD*                                                 | <b>290</b><br>K0KX<br>N8DX<br>UA3AKO<br>US5WE<br>UT1UY                             | <b>282</b><br>DL1YD<br>I0WDX<br>N2LT<br>N4KG*<br>SM6CTQ<br>UY5ZZ                                | <b>276</b><br>F6GCP<br>G3LZQ<br>I2AOX<br>N8RR<br>OK1AWZ                                        | <b>269</b><br>K8PT<br>W1ZC                                                 |
| <b>296</b><br>DF3GY<br>DJ2BW*<br>F5NTV<br>G4PWA<br>ON5NT<br>RY9C<br>SP3IBS<br>W1JZ            | <b>289</b><br>JA3ONB<br>RX4HZ<br>SP3DV<br>US4EX                                    | <b>281</b><br>DF2PY<br>IK4DRY<br>JA2PJC<br>JR7VHZ<br>K1CP<br>S59Z<br>W4TO                       | <b>275</b><br>9A1CCY<br>IK4CIE<br>K2UO<br>K4IQJ<br>KF2O<br>SP6AEG<br>SP9JZU<br>UW2ZM<br>W2OKM* | <b>268</b><br>DL5DSM<br>G3WPH<br>RA3XDX<br>SM5DJZ*<br>SP5DIR<br>W1MK       |
| <b>295</b><br>K3UA<br>N0TB<br>WD5COV                                                          | <b>288</b><br>K5XI<br>PA3GCV<br>SL0ZG<br>SP7VC<br>UA4LY<br>W0JX<br>WK3N            | <b>280</b><br>EA6NB<br>JA3FYC<br>KG4W<br>N9IW<br>RV3LO<br>SP5CJQ<br>SP6HEQ<br>YO3APJ            | <b>274</b><br>CT1EKY<br>G3TXF<br>JA8ISU<br>MD0CCE<br>SM6CCO<br>W6UB                            | <b>267</b><br>EI7BA<br>G4OBK<br>LU8DPM<br>RW0LT<br>RZ3DX<br>W1GL           |
| <b>294</b><br>DL1AMQ<br>IZ0AEG<br>JH2FXK<br>JH4UYB<br>JR2KDN<br>LA5HE<br>RJ3AA<br>W5ZN        | <b>287</b><br>DL1RWN<br>G3XTT<br>N2QT<br>N7NR<br>RK4FD<br>UR5WA<br>VA3DX<br>W4PK   | <b>279</b><br>F6AOJ<br>IK8HJC<br>N2TK<br>N5DG<br>SM6CNN<br>UA6MF                                | <b>273</b><br>K2CL<br>K5BG<br>RA3DA<br>SP6CIK<br>UA3DPM                                        | <b>266</b><br>K1QX<br>K4XP<br>NR1R<br>R3LA<br>W8TE<br>W8XD                 |
| <b>293</b><br>I5NPH<br>IK1GPG<br>KV4FZ*<br>S58T<br>SM3NRY<br>UA3AB                            | <b>286</b><br>DJ2YA<br>DL7VEE<br>G4CCZ<br>K3SX<br>N3SL<br>PA0WRS<br>UT7UW<br>W8AV  | <b>278</b><br>DK0EE                                                                             | <b>272</b><br>DL1DUL<br>DL2OE<br>LA3MHA<br>OH1LEU<br>PA7MM<br>SM5KNV                           | <b>265</b><br>AA4V*<br>AA6YQ<br>AA7A<br>EA5BM<br>YO5BRZ                    |
| <b>292</b><br>G4BWP<br>HB9BGV<br>OZ1BTE                                                       |                                                                                    |                                                                                                 |                                                                                                | <b>264</b><br>IK2YCW<br>IK5HHA<br>K7ZV<br>N3NT<br>ON4AOI<br>R5AJ<br>SV8CKM |

|                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>263</b><br>IZ1ANU<br>K9OW<br>KX4R<br>LA5IIA<br>W2SM<br>W3AP                             | <b>256</b><br>9A5CY<br>JA2VPO<br>JA5BZL<br>K5VRX<br>SV8GFW<br>W1TSP                                                                                                                                                                                                                                                                                                                                                                                      | ON4IQ<br>OZ8BZ<br>YO9HP<br><br><b>249</b><br>AI9L<br>SP5DRH                                                                                                                                                                                                                                                                                                                                                                                           | DK3DG<br>G8VR<br>ON4ATW<br>S57A<br>W9RPM<br>WX4G                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>238</b><br>DL8WN<br>IK0XEZ<br>NI0G<br>RA0FF<br>VO1HP                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>262</b><br>G0DQS<br>IV3ODE<br>K4UEE*<br>KR9U<br>N5KD<br>NO8D<br>UT9FJ<br>UX4UA*<br>W1YY | <b>255</b><br>K4QL<br>N2MF<br>W3KX<br>W5OZI<br>YL2GD<br><br><b>254</b><br>5B4AGN<br>I1EIS<br>N0AT<br>OM3DX<br>WA4FFW<br><br><b>253</b><br>IV3YYK<br>JQ3DUE<br>K5ESW<br>R5DT<br>S58Q<br>SP9FKQ*<br>UA1OMS<br>W0YG<br><br><b>252</b><br>EA1DR<br>JF2MBF<br>JG3QZN<br>JR3IIR<br>NN4X<br>PA4VHF<br>S52F<br>W3UM<br><br><b>251</b><br>AB3CV<br>DJ7RD<br>DL9RT<br>JH0BBE<br>PY2RO<br>W5UN<br>W7LR<br><br><b>250</b><br>HB9RG<br>IK0XBX<br>K2FF<br>K9RX<br>NQ1K | <b>248</b><br>K3WW<br>K5RX<br>N6TR<br>SM3VAC<br>T77C<br>W9NGA<br><br><b>247</b><br>K0IEA<br>K6XT<br>NO2R<br>OE2LCM<br>R7IA<br>TF4M<br>WA7NS<br>WB3AVN<br><br><b>246</b><br>DJ2TI<br>F2JD<br>IK0MHR<br>JA7QVI<br>JF8QNF<br>OK1CF<br>UR5EDX<br>W2TQC<br>W5XZ<br><br><b>245</b><br>DL4CF<br>EI2CN<br>JA1GV<br>N9US<br>RL9F<br>RY7G<br>W9XY<br><br><b>244</b><br>AG9S<br>DK6WL<br>F6BLP<br>IZ8FFA<br>JA0CRI<br>JA1HGY<br>SV1RK<br><br><b>243</b><br>DK2JX | <b>242</b><br>EA4KD<br>KG7H<br>W3LL<br>WA7NB<br><br><b>241</b><br>AC4G<br>JA0DAI<br>JA1SYY<br>JA3EMU<br>JA5MHD<br>JR3GWZ<br>K5ZK<br>KA9CFD<br>N4XM<br>N5TY*<br>N7RT<br>NV9L<br>OK1DWJ<br>SP5GRM<br>UA3TT<br>VE1YX<br>VE3NH<br><br><b>240</b><br>AB4I<br>EA6ET<br>IZ1LBG<br>K0JUH<br>K0KT<br>K1DG<br>K1FZ<br>K1ZG<br>K9OT<br>LA2XPA<br>UR5MID<br>VO1NA<br><br><b>239</b><br>AJ6T<br>IK0YUT<br>IW1ARB<br>K1HTV<br>KH6AT<br>LY3UM<br>RN3QN<br>RU3QR<br>SV1ELF<br>UW5ZM | <b>237</b><br>DL7MAE<br>K1AR<br>K1VW*<br>KC7V<br>OM4EX<br>W4YO*<br><br><b>236</b><br>JG1ULJ<br>K1JO<br>K5EK<br>K9NR<br>K9ZO<br>OK2ZI<br>OZ4O<br>SP8AJK<br><br><b>235</b><br>CX6VM<br>DJ5FI<br>DL9MRF<br>EA6VQ<br>JA0FSB<br>JH4ADV<br>K3SWZ<br>N6DX<br>R7DX<br>S51DI<br>VE3DZ<br>VE3XN<br><br><b>234</b><br>IK6FWJ<br>JH1HGC<br>K4UTE<br>KF0QR<br>PY1BVY<br>VE7IG*<br>W7AO<br><br><b>233</b><br>DF6PB<br>IZ4BEZ*<br>IZ8FWN<br>K0CS<br>K2UU<br>KA7T<br>ON4GG<br>SK3PY |

UA4HAU  
VA2WA  
W1TC  
YO7LCB

**232**

9A8A  
EA1N  
FK8CP  
JA8EAT  
K2AZ  
K4XL  
NI6T  
UA3AP

**231**

4X4NJ  
HA9RE  
JA2NDQ  
KD0Q  
N6AR  
N7NG  
ON4ACG  
W9IXX

**230**

JA1CMD  
N8JV  
SM3NXS  
W4GF  
W4VQ

**229**

CT1FJK  
DJ4AX  
E72A  
I3BUI  
JA8FKO  
JI1BEX  
K4HB  
KV7K  
OE5NNN  
RO7T  
WB6RSE

**228**

AF9H  
AI0O  
N2WK  
NT0V\*  
OH2BEN  
SP7GAQ

**227**

DL7HU  
ES1RA  
IK0HBN

JA1UQP  
JA9CHI  
K1FK  
K3NW  
N6JV  
SP8NR  
W9BF

**226**

DL5WW  
JA6BZI  
JF2KOZ  
JJ3PRT  
JR6EZE  
K9FD\*  
LA7GIA  
MM0EAX  
SP3CGK  
US0SY  
UT5JAJ  
VE6WZ  
W0VTT

**225**

A45XR  
EU1KY  
JH7PFD  
K1MM  
K5AB  
K9FD/KH6\*  
N4CH  
RA3QK  
RV1CC  
RW3XZ  
VA5DX  
W7KW

**224**

N0AV  
N8BM\*  
SP5INQ  
VK6VZ  
W2RQ

**223**

AB0X  
DJ8NK  
HA7TM  
JA2WYN  
JH2TPI  
N1LN  
RT6T  
SV2JAO  
UR5FEO  
ZS4TX

**222**

IV3JVJ  
JA2FJP  
K3SV  
K4MWB  
K6EID  
K8FH  
K8ZTT  
N4PQX  
N5AW  
N5JR  
N8PR  
N9BX  
SM0CCM

**221**

IZ8VYU  
JF3KON  
K8SIX  
LB8DC  
N6VR  
OZ1AXG  
VE3LYC  
W1ZK  
W6JRY  
WS6X

**220**

AG8B  
DK2NG  
HB9LCW  
HL5IVL  
IV3RAV  
JR4OZR  
K4NA  
K5EJ  
KA1R  
VE3EXY

**219**

AD5A  
IK3VUU  
JA2FBY  
K6TA\*  
LA7JO  
OE8RT  
RA3WDK  
SP4K  
UT7UV  
WA2UUK

**218**

DJ4PI  
DK0PM  
IK1YDB  
JA6LCJ  
JA8CDT

JH0INP  
K0EU  
K5UO  
LA4GHA  
UT4MF  
W5PJR

**217**

9A2NA  
DM5EE  
JA9PPC  
JH1IFS  
K5PC  
ON6YH  
UA3AGW  
WP4U  
YV1DIG

**216**

F6DAY  
K3JGJ  
N5UL  
OE1ZL  
RA1QD  
RZ0AF  
W0GJ  
W6XA  
YU3AA

**215**

G0OIL  
N7JW  
RA3S  
W0UO  
W2LK  
W6YI  
WS9V

**214**

DL7BA  
HL3IUA  
JA2IVK  
JA2JW  
K1AM\*  
OK1DX  
RN7G  
W4NL

**213**

DF2IS  
EI3IO  
HA1RW  
JA7MSQ  
JF6DSZ  
K1ST  
N1ZZ  
NA2M\*

RU4SO  
W0LYI  
W1FJ  
W2WG  
W3YY

**212**

AA9A  
DL9GFB  
JA9FPI  
K4MQG  
K8ZH  
KE9I  
KG6I  
N4MM  
NX0I  
SM5CZQ  
W1ECT  
WA5VGI  
WB9CIF

**211**

EA1RT  
EA5KA  
IK4DRR  
JA4DEN  
K3WA  
RU3SD

**210**

I8SAT  
JJ2LPV  
K0MN\*  
RV0AR  
UW7LL  
W7JW

**209**

DL5CF  
HB9CXZ  
HB9DDZ  
JA0UUA  
JF4VZT  
K5RT  
KG9N  
N9LB  
PY2BW  
VE1DX  
W0AIH\*  
W0ZR  
W6PBI\*  
W7KNT  
W9OO

**208**

G3NSM  
I4LCK

|                                                                                                                        |                                                                                                                                                                                 |                                                                                                                                                                          |                                                                                                                                                    |                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| JA2JNA<br>K2FU<br>LA7HJA<br>N5ORT<br>PY2XB<br>RU3ZX<br>RX3APM<br>SM5JE*<br>UN5J<br>UY1HY<br>W6PJ<br>W9EWZ              | JA9NFO<br>K2NV<br>K4JJW<br>K4XO<br>K7GM<br>KK4SI<br>LX2A<br>N4NX<br>N4QS<br>N7FU<br>SM2OAN<br>UA0SR<br>US6EX<br>W2HUV<br>WD8PKF<br>WF4U<br>WI8A                                 | W0MHK<br>W2IRT<br>W5TCX<br>XE2X                                                                                                                                          | <b>196</b><br>4Z4DX<br>AA4HP<br>IK4PLW<br>JA3RAR<br>K0BBC<br>K8PO<br>KP2A<br>ND0N<br>RA9CMO<br>RZ4FO<br>W2FCR<br>WN6W                              | WA2VYA<br>WE9R                                                                                                                                                        |
| <b>207</b><br>DF2GH<br>K1DT<br>K1LPS<br>K3JT<br>K3LR<br>K8EUR<br>K9YY<br>KB8VAO<br>N9AU*<br>US0KW<br>W0LS              | <b>203</b><br>JA2XYO<br>JE1PNX<br>JF1PUW<br>K9MMS<br>KA1J<br>KK2I<br>PA0A<br>R6AF<br>W7DO<br>W8GC                                                                               | <b>200</b><br>IK0FVC<br>JA1GTF<br>JH2RMU<br>K1GE<br>K8NVR<br>LA5YJ<br>OH2IS<br>RW4NN<br>RW7M<br>SP3FAR<br>UY0ZG<br>W0DD<br>W3GG                                          | <b>195</b><br>EA3JL<br>EA5RM<br>G3ZEM<br>JA1EOD<br>JA1XEC<br>JH1RFR<br>JN7FAH<br>K7SO<br>K9RT<br>KF8UN<br>LA0FA<br>N1SV<br>W4FC<br>W9OP            | <b>192</b><br>AD8P*<br>K3FN<br>K4FJ<br>K5XX<br>K9EU<br>KF7PG<br>N4DB<br>W3UA<br>W8LGJ                                                                                 |
| <b>206</b><br>IK0IOL<br>JA3PIS<br>K2VV<br>K5AQ<br>K5MC<br>K8AC<br>KC6AWX*<br>N8DJX<br>NK1K<br>OH1TV<br>SM6BZV<br>VE3BW | <b>202</b><br>DK2LO<br>DL1MGB<br>DL2KQ<br>DL9DRA<br>HB9DDO<br>JA0EOK<br>JA3CSZ<br>JH3VNC<br>JI2KXK<br>K1GG<br>LY1G<br>N5ZM<br>N7KA<br>OK1DOT<br>R9TO<br>UA9FAR<br>W1NT<br>ZL3IX | <b>199</b><br>G0BNR<br>JA2DPC<br>JA4PXC<br>K6GXO<br>N4DW<br>W1TO<br>W3YQ<br>YO2DFA                                                                                       | <b>194</b><br>I1JQJ<br>JA7JWF<br>K0JGH<br>K4KDX<br>K9JF<br>KB9LIE<br>NE1B<br>W2LO<br>WD8JJA                                                        | <b>191</b><br>CT3MD<br>HK3W<br>K8FC<br>K9LA<br>RK2FWA<br>WA3C                                                                                                         |
| <b>205</b><br>F6EXV<br>I4KDJ<br>JA3AAW<br>K9US<br>KA9FOX<br>W5ZG<br>W8UN<br>WA2HZO<br>WB8ZRL                           | <b>201</b><br>AG4W<br>CU2DX<br>DK1FW<br>DL1EJA<br>JO7WXN<br>K3HP                                                                                                                | <b>198</b><br>DL1ROJ<br>G3UJE<br>G4BUE<br>I5KKW<br>IT9JNR<br>UT5EL<br>W8HB                                                                                               | <b>193</b><br>CT1IUA<br>DL5ZB<br>DL6ZXG<br>EA3WD<br>HA5BSW<br>JA1ANR<br>K4ODL<br>N5LZ<br>N9EN<br>PA0LOU<br>RN1ON<br>RN9N<br>UA0CA<br>W0RI*<br>W9MU | <b>190</b><br>AA1ON<br>CT1FPQ<br>IZ8XQC<br>JA1DUH<br>JA1MCU<br>JA2LCP<br>K2TE<br>K9KU<br>KB0EO<br>KB1EFS<br>KM1D<br>N4XU<br>N5GH<br>SM0NJO<br>SP2LNW<br>VE7VV<br>W9AJ |
| <b>204</b><br>AA5AM<br>DJ5AV<br>F4BKV<br>IK7NXM<br>JA5AQC                                                              |                                                                                                                                                                                 | <b>197</b><br>G3SNN<br>JA0VSH<br>JE1BMJ<br>JH1QAX<br>JH2UVL<br>K3KO*<br>K3PA<br>LA7AFA<br>LA9GX<br>OE4PWW<br>OE5FIN<br>ON4CD<br>RZ6FA<br>SM7GIB<br>UA0SC<br>W0FS<br>W4UM |                                                                                                                                                    | <b>189</b><br>9A2F<br>CT1FMX<br>EA8PP<br>FM5CD<br>K4CN<br>SP7HOV<br>UA7T<br>W5DM*                                                                                     |
|                                                                                                                        |                                                                                                                                                                                 |                                                                                                                                                                          |                                                                                                                                                    | <b>188</b><br>AB4IQ<br>JA1KQX<br>JA8DNV<br>KE9ET<br>KL0S                                                                                                              |

|                                                                                                                                     |                                                                                                                                                            |                                                                                                                                                  |                                                                                                                                                                                                |                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N8LJ<br>NN2L<br>RM0F<br>W1YM<br>W6SR<br>W8JV<br>WA6YEE                                                                              | K8RRT<br>K8VC<br>N9MB<br>ON6SAS<br>W2FP<br>W8NW                                                                                                            | WC4X                                                                                                                                             | K2KA<br>K4DLI<br>LA5LJA<br>N7IR<br>TF3SG<br>VE3FF<br>W8HC<br>WA9PIE<br>WX0V                                                                                                                    | WA3AFS                                                                                                                                                       |
| <b>187</b><br>AJ1H<br>JA3ENN<br>K0SR<br>K6SRZ<br>KN5O<br>N2NS<br>OK1CZ<br>W7AWA                                                     | <b>182</b><br>DJ9ON<br>DK3UA<br>JA1SHE<br>JR7BDQ<br>N3OC<br>UR3EO<br>UT5UT*                                                                                | <b>178</b><br>4Z5CX<br>EA3CJ<br>JA4MRL<br>JL1SAM<br>K2UR<br>K4RG<br>N7XR<br>NE0U<br>SM7DLK<br>SV1JG<br>W7MEM<br>ZS1LS                            | <b>174</b><br>HB9TKS<br>JA0GJJ<br>JA2XW<br>JA7MOL<br>JF7DZA<br>JK1OPL<br>JR6PGB<br>K1KI<br>K2PLF*<br>K3AJ<br>K4TR<br>K4WS<br>K4XR<br>N1EN<br>OE1WHC<br>RN7F<br>UA3LNM<br>W8UV<br>W8VVG<br>WT8C | <b>171</b><br>AA9D<br>DL6KR<br>G0EHO<br>HA9PP<br>JA6HUG<br>JF1WPB<br>JH6QFJ<br>JR1TNE<br>K1NU<br>K2FL*<br>N0RN<br>N7RO<br>RA3DNC<br>SV1LK<br>SV2AEL<br>W7YAQ |
| <b>186</b><br>IK2QPR<br>JA2ZL<br>K0BJ<br>K7LAY<br>YL2TW                                                                             | <b>181</b><br>DK3WW<br>JA2BDR<br>JA9TWN<br>JG0CQK<br>JN4MMO<br>K2EP<br>LZ2ZG<br>VE3OSZ<br>W1RM<br>W6NWS                                                    | <b>177</b><br>9H1SP<br>AE5E<br>CT1GFK<br>K3WC<br>K5GKC<br>K6ZZ<br>K9NU<br>OK1DWC<br>PY5EW<br>SM5FUG<br>SM6DHU<br>UN9L<br>W5LT<br>W7FI<br>WB7B    | <b>173</b><br>5B4ALJ<br>JE2LPC<br>JG3IWL<br>K1NTR<br>K9YC<br>N5FG<br>RC9F<br>VE6WQ<br>W3IP<br>WA5YNB<br>WB0TEV                                                                                 | <b>170</b><br>DJ6TK<br>IK0PEA<br>IT9DSZ<br>JA6JPS<br>JM1GYQ<br>N4PY<br>SP3GTS<br>SV3KH<br>W9EVI<br>WA0MHJ                                                    |
| <b>185</b><br>AB6QM<br>CT1EAV<br>EA6BF<br>G3KWK<br>IK3SWB<br>K5ZD<br>LA3WAA<br>N4TJ<br>N5UR<br>OE2BZL<br>SV1DPI<br>UA9CBO<br>W0EWM* | <b>180</b><br>4Z5MU<br>DM2DXA<br>DM3VL<br>EA8JF<br>IK4ADE<br>JE2URF<br>K6SSS<br>K7BG<br>LA9AJA<br>N1RR<br>N4AH<br>ON5FP<br>SP1MGM<br>W2OR<br>W7BEM<br>W8TN | <b>176</b><br>EU1AB<br>G0BLB<br>I6FLD<br>JA0DET<br>JA5IU<br>JA6BJV<br>JA8KSF<br>JS3CTQ<br>K8MN<br>N5OK<br>PE1L<br>RL3FA<br>W4BP<br>W4GD<br>YO7NE | <b>172</b><br>EA7TV<br>G3NKC<br>HB9FMN<br>IZ5MOQ<br>JA3FGJ<br>K0DEQ<br>K1BD<br>K6FG<br>KJ0M<br>W3JX<br>W4FQT                                                                                   | <b>169</b><br>EI6FR<br>IK2EGL<br>JA1ADT<br>JH7IAJ<br>JR1IZM<br>K1LI<br>N4XX<br>N7US<br>RN3OG<br>UT8MM<br>UY5AA<br>W6RW<br>WB3JFS                             |
| <b>184</b><br>HA5WA<br>IW0SAF<br>JA9NLE<br>JF1NZW<br>K4HGX<br>K5KLA<br>KB4ET<br>N4OGW<br>N9RC<br>S57AC<br>US8UA<br>UT2UB<br>W2YJ    | <b>179</b><br>IT9ELD<br>K0TT<br>K8WK<br>KI5BLU<br>N2PK<br>OK1MG<br>S57UN<br>SM4DDE<br>SV3FUP<br>W8KEN                                                      | <b>175</b><br>JA1CHN<br>JA1PPW<br>JA6VQA<br>JE3ENP<br>JH2QMT<br>JH7CFX                                                                           |                                                                                                                                                                                                | <b>168</b><br>AA6AA<br>G3MXJ<br>I2ZGC<br>JE7JDL<br>JF2UPM<br>K4XD<br>K5QY<br>K8RYU<br>K9MBQ                                                                  |
| <b>183</b><br>IT9INO                                                                                                                |                                                                                                                                                            |                                                                                                                                                  |                                                                                                                                                                                                |                                                                                                                                                              |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| KR4F       | W5BN       | IZ3ENH     | JR3OEH     | K2LS       |
| N4QQ       |            | JA1DOF     | K5TT       | N2ZN       |
| N8BJQ      | <b>164</b> | JE2DZC     | K9GA       | NE0DX      |
| PA7F       | DL6MRS     | K5GO       | KQ4AV      | NW7E       |
| SP5GH      | GU4YOX     | K8ND       | OZ1HX      | SM6VR      |
| SP6EQZ     | HA7UW      | LB2TB      | RU6M       | UN7LZ      |
| W4SVO      | HB9BZA     | N4GN       | SM4EMO     | W2XI       |
| W6VX       | JA1RTX     | OE5RLM     | W0SZ       | ZS6EZ      |
| W8OI       | JA7ZP      | OH6RA      | W1OX       |            |
|            | K1NJ       | VK3HJ      | W3GQ       | <b>154</b> |
| <b>167</b> | N5WA       | WE1P       | W4QN       | 3V8SF      |
| CT1FCX     | RA3ZH      | YU2TW      | WS5W       | F5LVL      |
| DK5AD      | W4DKS      | ZS5LB*     |            | GM3PPE     |
| EC3A       | W4NS*      |            | <b>157</b> | JA8NFV     |
| JF2XGF     | WP4G       |            | AA4H       | JL1UXH     |
| K6KO       | WW3S       |            | AB9V       | K0KVR      |
| K8NK       |            | <b>160</b> | AC6DD      | KR2Q       |
| N0IJ       | <b>163</b> | AD5Q       | CU2AP      | NX8Y       |
| N3BNA      | 9A2JK      | DK1WB      | DL4MM      | RN3TT      |
| OH2BLD     | AA8CH      | DL1DA      | EA5BY      | W1NA       |
| PA3C       | DJ9HX      | EA3GP      | G3TQZ      | W5DNT      |
| RA1AOB     | IZ4DPV     | HB0CC      | JA1GHH     | YS1RR      |
| S51EC      | JE2LUN     | IW2FND     | K0QC       |            |
| W1YW       | JH4CPC     | JA2EPW     | LY5A       | <b>153</b> |
| WA4LOX     | K1USA      | JA9APS     | N3RC       | AJ9C       |
| WC5N       | K7NN       | JE2OVG     | N5MOA      | DF2RG      |
|            | K8TL       | JR7MAZ     | NE9Z       | DL1DUO     |
| <b>166</b> | OK2QA      | K3MSB      | RU4UR      | DL3ZA      |
| 4Z1UF      | RW3RN      | K3RA       | SM3PHM     | G3TJW      |
| DJ4SO      | UR4CWQ     | NR4M       | SV8ZS      | HL2CFY     |
| IV3TDM     | VE3CFK     | RU6L       | W2TA       | JA2VQF     |
| JA1FNA     | W7AL       | UA0FZ      | W4TV       | JA5XAE     |
| JA9LJS     |            | UX5UO      | W5GZ       | JF1IRW     |
| JH2SON     | <b>162</b> | W1BR       | W7TVF*     | JH1NYM     |
| K1KA       | 4O3A       | W5XC       | WS7L       | JR1XIS     |
| K3KY       | 9A4W       | W9RN       | YV2IF      | JR9OPJ     |
| K4JLD      | F3AT       | WX0B       |            | K7SP       |
| K4PB       | HB9BUN     | <b>159</b> | <b>156</b> | K8VFX      |
| K4WA       | JA6GIJ     | JA4FKX     | FM5BH      | LZ1PM      |
| K4ZYU      | JH4ALY     | JL1RUC     | IZ8IEV     | N4TV       |
| N9FN       | JR5JAQ     | K4RO       | JE3GRQ     | N5TW       |
| NY0V       | K1CA       | OK2ZV      | JO7HAM     | N5XZ       |
| RM3DA      | LB6KC      | UN7JX      | K8YSE      | N8II       |
| W0DJC      | N8MR       | W3HKK      | KD0PO      | R9OK       |
| W1RR       | VE7SL      | W6BJH      | KS1J       | SM6CLU     |
| W8ILC      | W0HT       | W7SX       | N3UA       | SP5CCC     |
| WA8TXT     | W0TT       | WD5BJT     | N7WS       | UT5UY      |
|            | W1LW       | <b>158</b> | SP5IWA     | WB8BPU     |
| <b>165</b> | W2XL       | DJ4PT      | SV1CNS     | WJ4T*      |
| DL7UCX     | W8WEJ      | DL1FKA     | UA3SAQ     |            |
| F6HDH      |            | E70T       | VA3LX      | <b>152</b> |
| IK0AGU     | <b>161</b> | HB9HFN     | W1YIF      | EW2A       |
| JE7RJS     | DK2GZ      | HB9SLO     |            | HA1RB      |
| K5JZ       | DL6RAI     | JH1TWT     | <b>155</b> | HB9RYZ     |
| KK4CB      | G4GIR      | J11FXS     | DL1RK      | JT1CO      |
| N4HB       | HB9DHK     | J11NJC     | DL4SZB     | K9MK       |
| SM4CTT     | IK0FUX     | JR1GJP     | JH4HMG     | KS3F       |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| N9OY       | SQ5EBM     | JH1GNU     | WC5M       | W2CG       |
| OH1JP      | UA6YW      | K5KV       | WD5T       | W3BW       |
| S55ZZ      | W4GE       | K5SM       | YO3CD      | W4JVN      |
| UA6IGI     | W6DAO      | K7WP       |            | W4VIC      |
| UT5AB      | WW2DX      | N7BT       | <b>143</b> | W8HW       |
| VE6LB      |            | NJ3K       | DL6EN      |            |
| W1SKU      | <b>149</b> | OE6VIE     | IK8GYS     | <b>140</b> |
| W1VT       | DL7CX      | RU0SN      | IT9BLB     | 9A1CAL     |
| W2/CT1GIF  | HB9CQK     | W1IZL      | JH1HHC     | HB9FAN     |
| W2RS*      | IK4FNF     | W1ZT       | K7CMZ      | JA0GCI     |
| W6RLL      | JL1ARF     |            | K7CW       | JA4OK      |
| W7AJ       | K3TN       | <b>145</b> | N2RJ       | K5WK       |
| W9JJB      | K4YYL      | AF4HX      | N5UW       | KF8DX      |
| WB3CQM     | K6NR       | HI3T       | N6PAT      | N4XP       |
|            | K7HP       | IT9ZZO     | NN4R       | OH6NIO     |
| <b>151</b> | K8ME       | IU0HDC     | VE3CV*     | ON7DR      |
| AA7G       | LB5WB      | JE6TSP     | W0IZ       | UN1L       |
| DK2OY      | NA5C       | JH7RXU     | W6QUV      | VE6SV      |
| EI9JF      | R8TX       | JJ3HGJ     | WB8CQV     | W0SEI      |
| F3SG       | SM6CUK     | JK1AJX     | WB8ZRV     | W4NU       |
| JA6BEE     | UW7UA      | K3VAT      | WD9DZV     | W7IV       |
| K2AX       | W0GG       | K4OY       |            | W8LWU      |
| K2FW       | W7HPW      | K8BL       | <b>142</b> | WO2T       |
| K8ROX      | WB8B       | KF6HI      | AB9M       | YL2MU      |
| LA6OP      | WD5K       | KM3T       | I5HOR      | YO9FNP     |
| N5JB       | YO3DDZ     | KR0P       | JA2ATE     |            |
| N6PSE      |            | N1CGP      | JH0BQX     | <b>139</b> |
| OK1ATP     | <b>148</b> | N4GG       | J11DCW     | DF7EE      |
| RD3A       | DK2CC      | N8OC       | JR7WFC     | DJ4XA      |
| RU3A       | F5CQ       | RT0F       | K3PP       | DL5EBE     |
| S54A       | F5PAC      | SM3DTR     | K4WZ       | DL8OH      |
| SP7AWG     | G4FTC      | W5ADD      | K6EME      | DS1JFY     |
| SV9AHZ     | IV3VBM     |            | KK1W       | JA1TMG     |
| W7CT       | JH1QDB     | <b>144</b> | MM0SAJ     | JK1EXO     |
| W7RH       | N2WB       | CU3EQ      | N7QT       | K2RET      |
| WA1Z       | NE3F       | DL5CW      | NA4D       | K3ANS      |
| WA2BCK     | W5FIX*     | DL5KUA     | NQ7R       | K6AM       |
|            | W5FKX      | EI6IZ      | NY2NY      | K8GI       |
| <b>150</b> |            | GM3ITN     | OK1DO      | K8RF       |
| EA1AF      | <b>147</b> | HB9BYQ     | W2OO       | KA8SYV     |
| I0JBL      | JA1XQC     | HS0ZEE     | W4WT       | KU0A       |
| IZ0RVI     | JE1FQV     | I5MXX      | W5LUA      | KZ5DX      |
| JA1SVP     | JN1BMX     | IT9GSF     | W5VQ       | LA8WG      |
| JA2NQG     | JR2LJO     | IV3DXW     | WA5POK     | NA5DX      |
| JA9RRH     | K8UT       | IZ4GWE     |            | OH1ZK      |
| K0RS       | KM1H       | JA3GN      | <b>141</b> | OK1MP*     |
| K1OA       | N1IBM      | K0VSH      | AC9S       | SM5CBM     |
| K5TR       | PC3T       | KJ9C       | DL5MHQ     | SP6JIU     |
| K5VWW      | W1OP       | LA9VFA     | EW1BA      | SV8ZC      |
| K7LV       | W2KKZ      | N1IX       | HB9FMT     | W0SD       |
| K8AJS      | ZS1C       | N2WM       | JA1PTJ     | W9XQ*      |
| KU4XO      |            | N3KK       | JH4JNG     | WA8WV      |
| N3QE       | <b>146</b> | SM4OLL     | K2RW       |            |
| N9CO       | EU4A       | SM5CLE     | K6KLY      | <b>138</b> |
| OE8SPW     | IV3KFB     | W7ZI       | K9GWH      | DK8MCT     |
| ON6AA      | JA1HQG     | W8GNM      | SV3FUO     | DK8YY      |
| OZ3SK*     | JA4DHN     | W8RLS      | W1AX*      | DM2RM      |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| EI9FBB     | <b>135</b> | <b>133</b> | JH4ADK     | N0YY       |
| F6DDR      | 5B4MF      | 9K2NO      | J14POR     | N2BJ       |
| IK8EPC     | AG1A       | EU1U       | JJ1TEA     | N3KS       |
| JA3OOK     | BA4RF      | G3UHU      | JM1FHL     | N3RR       |
| JF3LOP     | DJ9ZB      | G4XEE      | K1UU       | OE3SGU     |
| K1RO       | DL9FCY     | IK5DNF     | K9DR       | PA3EWP     |
| KJ6P       | F6FXU      | IZ8DFO     | KC2LSD     | SM3BCS*    |
| OZ8X       | IK2SGB     | JA6CBG     | KH2L       | W0YVA      |
| PY5EG      | IZ7EVZ     | JA7GLB     | KM3V       | W7QHE      |
| RW4CY      | JA7LGE     | JA9AGN     | KM4H       | W8MET      |
| UN7JID     | JA7LMZ     | JR6FC      | N3MK       | W8MK       |
| V51B       | JA8BNP     | JR7FRW     | N4QWZ      |            |
| W1GD       | JA8JL      | K2CDJ      | N5PHT*     | <b>128</b> |
| W2YE       | K1ZE       | K6SIK      | N6RK       | AA4SC      |
| W4YV       | K4TT       | KU2A       | ON4ON      | JA1XCZ     |
| W7OM       | K4ZRJ      | OE1KM      | R0SR       | JA2AHH     |
|            | K7FL       | RA5BM      | R9MJ       | JA2KSP     |
| <b>137</b> | KX4TT      | UQ2PZ      | R9SA       | JA4KDT     |
| EA1YO      | NZ9R       | VE3WT      | S51NM      | JA9AA      |
| GM3YOR     | R3VA       | W0NFL      | W7JY*      | JE1LFX     |
| HB9IQB     | R7LP       | W2QO       | W8DCH      | JH4GJR     |
| IZ2FOS     | RK2M       | W5AJ       | W8KA       | K0FF       |
| JA3APU     | RN3RQ      | W6RKC      |            | K3XA       |
| K2QMF      | SM3LGO     |            | <b>130</b> | K4JAF      |
| K4JKB      | SM5CZK     | <b>132</b> | CT3KN      | K4SE       |
| K7XB       | SP3XR      | AA4NC      | DF9ZW      | K6LPO      |
| K8NS       | SV5DKL     | AD6W       | E73M       | KG7CW      |
| RA3CO      | UB3A       | IK3VBB     | EI2JD      | KM4NS      |
| RG7G       | W1DIG      | IT9RDG     | G7VJR      | N5KM       |
| UU1JA      | W2GD       | JA3DY*     | HK0HEU     | OZ1IKY     |
| W1ITU      | W4BUW      | K6YUI      | JA2FBC     | R9SG       |
| W5ODD      | W4MBD      | K9ZM       | JN1RQV     | S53X       |
| WB5JID     | W4RFZ      | KO8SCA     | K2MYR      | S55DX      |
| WE4S       | W6JTI      | N5ZC       | K3NK       | SV3DCX     |
|            |            | N6HY       | K7LFY      | US8UW      |
| <b>136</b> | <b>134</b> | OZ2RH      | K8BCK      | VQ9LA      |
| E72U       | CT3HF      | SM4BZH     | K9GL       | W2WC       |
| ER0FEO     | IK4DCS     | SM6BGG     | N9RD       | W4IS       |
| IK8CNT     | K1TO       | VE3CRG     | NA4EA      | WB0O       |
| JA2KVD     | K1ZN       | W4AXL      | NO9E       | ZS6UT      |
| JA5FDJ     | K3OX       | W4RBO      | OZ2ABI     |            |
| K0TV       | K5VIP      | W4WM       | R5QA       | <b>127</b> |
| K4ZO       | KS4YT      | W5SL       | R9AB       | AC9EM      |
| K7TM       | N9MR*      | W7AH       | RU1AO      | HB9EFK     |
| KR6C       | N9RS       | W7CD       | TA1CM      | HK1MW      |
| OK1DW      | OE1TKW     | W9FR       | VE3DO      | IK0LNN     |
| SM3GQP     | ON4CAS     | WB3D       | W2MPK      | JA1DDH     |
| SM5OJH     | PY5HOT     | XE2S       | W9ZT       | JA1WLO     |
| SP2BMX     | RG6G       | ZS1A       |            | JA8RJE     |
| SP6M       | RX4HW      |            | <b>129</b> | JA9KRO     |
| UT3UZ      | SM0BYD     | <b>131</b> | HB9AZZ     | JH3AIU     |
| UW8SM      | UA0ACG     | DK7YY      | JA1NWD     | JS2LHI     |
| W1EQ       | UA9OR      | HS1NGR     | JA8JO      | K0RW       |
| W1OPD      | W4JKC      | IK3XJP     | JH3CUL     | K3TRM      |
| W2OIB      | YU1AM      | JA0AOO     | K6XM       | KV4T       |
| W6DR       |            | JA2TBS     | K8DV       | N1AC       |
| WB7QXU     |            | JG1DUZ     | LB7ZG      | N1GC       |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| OE8HIK     | NW6S       | N4DWK      | IT9AAI     | W3OA       |
| SK7AX      | OE1AZS     | N6HC       | KD8RQE     | W4PRO      |
| SP6A       | RA0BA      | N6MZ       | KG9Z       | W6RFL      |
| SP7ASZ     | UR9QQ      | N9JV       | N0OK       | W7RN       |
| VE7BV      | UU7JM      | N9LQ       | N1JP       | W8FIB      |
| W0CP       | VE3UTT     | NA2P       | N3ND       | WA2USA     |
| W0RT       | W5DAW      | NA9RB      | N4TL       | WB6CJT     |
| W3BG       | W9CG*      | S50B       | N8PW       | WC2K       |
| W3FOX      | W9DX       | UA3DK      | SV1AHX     | ZL4AS      |
| W3MF       | WT4Q       | UT3QU      | SV1FKZ     |            |
| W8LMG      | WV4TN*     | W1AO       | UQ1GWW     | <b>119</b> |
| XE1KK      | YO2RR      | W4NF       | UT4EO      | AA3AZ      |
|            |            | W8NJR      | UU2JQ      | DK3GG      |
|            |            | XE1H       | VA3AYA     | DL9OBY     |
| <b>126</b> | <b>124</b> |            | W0QQ       | EW4M       |
| DG7RO      | AA7XT      | <b>122</b> | W2GG       | G4DJJ      |
| DJ8WD      | AB1OC      | G3NDC      | W4UCK      | HB9AAQ     |
| F8BPN      | AJ4A       | HB9DHG     | W6XI       | HB9BCI     |
| G4IUF      | J11DHY     | IC8SQS     | W9XX       | I2TZK      |
| JA7KY      | K5UZ       | IU0LFQ     | W9YE       | I4MKN      |
| JJ1DWT     | KD2T       | JA1MRM     | WA1PMA     | IK0ZIO     |
| K2HAT      | KD4POJ     | JA2HYD     | WY1G       | IV3HYD     |
| K2ZD       | NA2U       | JR3UIC     | XE1VIC     | JA3AZD     |
| K4XU       | PA0TCA     | K1BZ       |            | JA4XGC     |
| N8NA       | UA0BA      | K1ESE      | <b>120</b> | JE2JMV     |
| N9DED      | VA7CRZ     | K1YT       | 9A5F       | JH6CDI     |
| OK3CQD     | VE1DUN     | K2MP       | AA5JF      | K7EG       |
| PA5TT      | W2JU       | K3NF       | AL7TC      | K8KWT      |
| VE3CX      | W2RIJ      | K7ZA       | DL2VWR     | N0KV       |
| W8REW      | W3FM       | LA7WCA     | FG5FR      | N4DJ       |
| W9ILY      | W6CYX      | LA8PT      | HB9BLQ     | N9UA       |
| WB2REM     | W9FI       | N3NR       | IZ0LKV     | NT2A       |
| WD4LBR     | WB8K       | N9AW       | IZ5NFD     | NY7T       |
| YU1EXY     |            | NN7X       | JA4EPE     | OH5NG      |
|            | <b>123</b> | OZ3Y       | JG3LGD     | OK1DT      |
| <b>125</b> | AC4TO      | RD4A       | JR6LLN     | R6FFB      |
| 9A1AD      | DL7JRD     | SP9WZS     | K2BA       | SV1ACK     |
| GW3TMP     | EI2GLB     | US0YA      | K2HK       | W4HZ       |
| HK4SAN     | F4GTB      | UU4JMG     | K3QIA      | W5JMW      |
| IW0HEX     | G4WFQ      | VE3YF      | K9SG       | W5QP*      |
| JA4IYL     | G5LP       | VE6AX      | KA8ZPE     | XE1RCS     |
| JA6VU      | HB0WR      | VK4CAG     | KP4AA      |            |
| JE1TSD     | IK2CHZ     | W0RX       | N4BAF      | <b>118</b> |
| JE6UWU     | JA0CRG     | W2TB       | N4LR       | 5T5PA      |
| JF2WXS     | JA1SJV     | W3RJW      | N4TB       | AB2E       |
| JH1AGU     | JA3MHA     | WA3I       | N4UFP      | DL5OCE     |
| J14WAO     | JA6WJL     | WA7BNG     | NA9Q       | JA1OVD     |
| K1HAP      | JR1EBE     | WP3R       | OE3EVA     | JA4FHE     |
| K3FRK      | JR2UBS     |            | OZ2A       | J18DGO     |
| K5KG       | K2PK       | <b>121</b> | PZ5RA      | JN7DOS     |
| KA6BIM     | K3XO       | AA4DD      | RL3BZ      | K3WGR      |
| KI4WCQ     | K4ZIN      | AA6RR      | SP3PLD     | K4CNW      |
| KV4AA      | K5GH       | AE3T       | SP7ITB     | K5XM       |
| LZ1XL      | K5JC       | DF1DB      | SV1IW      | K7PI       |
| N2KA       | K6FW       | DJ8ES      | UR5IKN     | K8LN       |
| N3EN       | K7UT       | DK1EI      | US1CT      | K8WVA      |
| N4JT       | K9CS       | DK6CQ      | W2YR       | K9FN       |
| ND5S       | N2ED       |            |            |            |

|            |            |            |            |            |
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| KD6UO      | W8ZR       | N4OA       | DL1HRN     | JA7BXS     |
| KG8CW      |            | N8KOL      | DL8CM      | JR7TEQ     |
| LZ2HM      | <b>116</b> | N9ISN      | DL8DYL     | K0CA*      |
| N2MM       | AJ4F       | PA3AXU     | DL9GTB     | K0JPL      |
| N5BO       | DL7URH     | RZ6MJ      | G4AFJ      | K1EO       |
| N6MB       | EA5BRE     | SP7JLH     | IK8UHA     | K1KO       |
| PY2PA      | HA7PF      | UA1ANA     | JA4ITW     | K4MS       |
| SV9COL     | HB9CEX     | UA1CGS     | JH1ORA     | K4NNX      |
| TA2RC      | IK0EIE     | UA6XT      | JH9DRL     | K4SAF      |
| TZ4AM      | IK2OHG     | UN6T       | K0TPP      | K4UAS      |
| W1KSZ      | IK7YZG     | WA8MCD     | K8SL       | K8CC       |
| W4DAO      | IT9TQH     | WV9L       | KA4RRU     | KB2FCV     |
| W4MAY      | JA1WTI     | YL2CZ      | KH6DX      | KM1C       |
| W4NJ       | JE2EHP     |            | KI0G       | LA8HGA     |
| W5VY       | JH3GCN     | <b>114</b> | KI4DLS     | N4ZY*      |
| W9HBH      | K0GD       | BA4DW      | KT1J       | N6MA       |
| WX3P       | K1DC       | BA7IO      | N6PE       | RU4SU      |
| YO4AUL     | K1RI*      | CT3FN      | N7KO       | SM3DMP     |
|            | K6RO       | CU3AK      | NA3F       | UA1ACG     |
| <b>117</b> | KT1V       | DJ9RR      | NI5F       | UA1CEI     |
| 9K2OD      | N2WLG      | DL6NB      | PY7DJ      | UT6UD      |
| 9Y4VU      | N4IQ       | DL6UAA     | R7NA       | VE7XF      |
| AB4GE      | OZ1LCG     | F6CWA      | RA4UN      | W1HEO      |
| AE0P       | PA0JSE     | G3SDL      | RZ3AUL     | W2CVW      |
| BH4IGO     | RV3ID      | HP3TA      | SM5ARL     | W2SKI      |
| DL1DWT     | UA4PCM     | I5OYY      | SP3EPG     | W3UL       |
| EI8IU      | W1ENE      | JA4BXL     | SV1JFV     | W3XY       |
| G3LAS*     | W1WEF      | JF2WGN     | SV2AVP     | W4VHF      |
| G3PLP      | W7GG       | JH6WMJ     | UN7TW      | W5VX       |
| IT9DAA     | W7OEV      | K1RV       | VE3KI      | W6KK       |
| JA1HQT     | W8LRO      | K2DC       | W2GW       | W6TC       |
| JA4FM      | WA4CEM     | K3MD       | W6BK       | W8GEX      |
| JA7GYP     | WQ5L       | K3OSX      | W8FAX      | W8HMK      |
| JA7IC      |            | K5CD       | W9VNE      | W9SE       |
| JM3GXU     | <b>115</b> | K5RJ       | WA2BOT     | WA8OLN     |
| K2BB       | C6AGU      | KB8U       | WA4DOU     | ZP6CW      |
| K6PJ       | CU2CE      | KZ4V       | WB2HJV     |            |
| K8OOK      | DL5CL      | N1QY       | WB4TDH     | <b>111</b> |
| K8QM       | DL9GOA     | N3MN       | WS4C       | AA4U       |
| KV1J       | G8BCG      | NG0G       | ZL1BYZ     | AF4OX      |
| N2JJ       | G8DX       | NK5B       | ZS1J       | CU3AN      |
| N4IR       | HA5UK      | NU8Z       |            | DK2WH      |
| N8AA       | HK3PJ      | UA3FT      | <b>112</b> | DK6ED      |
| N8XI       | IZ0CKJ     | W0VX       | A92IO      | DL6JZ      |
| N9HF       | IZ7JVR     | W3MR       | DJ1RL      | EV1R       |
| NY4G       | JA2KNW     | W4TUN      | DK5RL      | F6ECI      |
| NZ3M       | JA3NHL     | WA1FCN     | EA1JO      | G4DBN      |
| OH8LXT     | JA5WIZ     | WA9YYY     | EI5GSB     | HC1BI      |
| ON5UE      | JH1RFM     | WB2UFF     | EW1DO      | HL3GOB     |
| OZ5HP      | K0SD       | WN9O       | G3XGC      | JA1AUD     |
| SM7BIC     | K1EDG      | WT9U       | HB9CRV     | JA1FGB     |
| SP8HKT     | K4CMS      | XE1RBV     | HB9G       | JA1NCZ     |
| UA6J       | K4GHS      | XE3ARV     | HI8R       | JE8TGI     |
| UR9IDX     | K4GK       |            | IK2ANI     | K0FLY      |
| W3ICM      | K8YTO      | <b>113</b> | IU8FRE     | K5WAF      |
| W4ZRZ      | LY4T       | 9A1A       | IZ4DIW     | K7ORK      |
| W6SL       | N0IRM      | DJ5DT      | JA1SXR     | K9AJ       |

|            |            |            |            |            |
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| KM1R       | NY4I       | WS1L       | WB8BZK     | WB8ART     |
| KZ0X       | RD9M       | YV3AGT     | WC1M       | XE2YWH     |
| LA0CX      | SM5BHW     |            | WC6DX      | YL1XZ      |
| N4WJ       | SV1VS      | <b>108</b> | WD9EQU     |            |
| N7BD       | UA3O       | AA4UC      | WW1WW      | <b>106</b> |
| NA1DX      | US7MM      | AI2Q       | ZL3RJ      | AA4FL      |
| UR6QA      | W0UY       | AL7R       | ZS2DL      | AE2U       |
| VE6KC      | W4DC       | DL6CNG     |            | DJ6OZ      |
| VE7CT      | W4NE       | ER1LW      | <b>107</b> | DL2NOM     |
| VE7UF      | W5ZPA      | G3VAO      | 4Z5LA      | DL3JSW     |
| W0VHF      | WL7E       | HB9BAT     | DK3FB      | EA1CP      |
| W1FO       | XE1FAS     | IK0PRG     | DL1QQ      | EA3CCN     |
| W4HOG      | YU7AU      | IZ0BTV     | DL2CHN     | HA8DZ      |
| W4OX       | ZL3NW      | JA2MOG     | DL5XU      | IW3GJF     |
| W5AQ       |            | JH7XPW     | DO4DXA     | JA1VLK     |
| W7VS       | <b>109</b> | JJ2PIK     | EA5AT      | JA2MNB     |
| W8MIL      | EA3GHZ     | JK1MZT     | EA7QW      | JE6IGP     |
| W9RB       | EU4T       | K0MD       | FG8OJ      | JG3HBO     |
| WA1S       | F8EZE      | K1EP       | G4AKY      | JG5RVQ     |
| WA2MUA     | G3SVD      | K1XM       | G4RGK      | JH2KKW     |
| WB9EEE     | IW0HQE     | K2KQ       | I5IHE      | JH6PFY     |
| WU2M       | JA2CXF     | K2MK       | IT9XTP     | JJ0NCC     |
| YL3DQ      | JA7SFD     | K4WY       | JA4EVN     | JR0EQQ     |
| YO6HOY     | JE1SYN     | K6UT       | JA5EY      | K0DEW      |
|            | JF2VAX     | K8OM       | JA6OXT     | K0LB       |
| <b>110</b> | JR1BAS     | KD9HL      | JA8JTH     | K1PX       |
| BA4MY      | K2CJ       | KM8AM      | JH7BKN     | K4DSE      |
| DF1KG      | K2ONP      | KN4JX      | K1TZQ      | K5AM       |
| DL1VDL     | K4RDU      | KX2A       | K3SW       | K5FUV      |
| EA5BYP     | K5FZ       | KZ1W       | K3YBN      | K5ZQ       |
| F5BAR      | K5KA       | LU2DKT     | K8LBT      | K8JJC      |
| G3LNS      | K5KPE      | LZ3YY      | K8ZR       | KK8X       |
| G8AJM      | K6MW       | N2DPF      | KB1HY      | KK9H       |
| I2BBJ      | KA9UVY     | N4MEC      | KE2R       | KQ3F       |
| IK5RUN     | KB9DAK     | N6RFM      | N2RR       | N0JZ       |
| IZ2EWR     | KE1F       | N9SF       | N3DAP      | N2CW       |
| J68HZ      | KL7RA*     | N9TF       | N6EE       | N2SQW      |
| JA7EPO     | N1BZ       | NU4Y       | N8AGU      | N3XM       |
| JE2UFF     | N4RF       | OH4UI      | NA5Q       | N8AID      |
| JH1VHU     | N7TY       | PA0ZH      | NE1F       | NA5Z       |
| K2BLA      | N8NN       | R5FY       | OE1CP      | NI5M       |
| K3JRR      | ND4V       | R7LA       | OH2OT      | NS3L       |
| K3PH       | NN4RR      | RA1OHX     | OK2BUZ     | OE5CSP     |
| K4WW       | NU4I       | RX6DX      | OK3CQR     | OK1AYU     |
| K4YJ       | NX7U       | S57J       | R0FA       | OK2BVG     |
| K6MI       | PY5CC      | SM6AOU     | RN4AA      | PA0GMM     |
| K6VKO      | RW4UU      | UX7UN      | RV6ARZ     | S57AL      |
| KB4MRX     | RW9QA      | UZ6LWZ     | SP3BQD     | SP5JXK     |
| KC2STA     | RX3AGD     | W2UB       | SP6AXW     | UR3CRO     |
| N2CG       | TG9NX      | W3NRJ      | US5CB      | UT7UU      |
| N3HBX      | UB5ZAL     | W4ZYT      | VE3OI      | UU5WW      |
| N3IQ       | UT7KF      | W7ACD      | VK3NX      | V73AZ      |
| N3JB       | VU2CPL     | W7JET      | W3KB       | VQ9SS      |
| N4KE       | W1LE       | W8IW       | W6TDX      | W1CWU      |
| N9PGG      | W5WP       | W9NIO*     | W8VK       | W2EQ       |
| NC6K       | WB5TUF     | WA2ALY     | W9CPV      | W2LE       |
| NK7C       | WN0L       | WA8MOA     | WA0RVK     | W2NO       |

|            |            |            |        |            |
|------------|------------|------------|--------|------------|
| W4IR       | SM0CXU     | N3ER       | G3BDQ  | W4MZ       |
| W5JAY      | UA6LCN     | N3TR       | G3OIL  | W4TMR*     |
| W5KI       | UR1RWX     | N4GU       | G4AAW  | W5THT      |
| W8OP       | UR2RGN     | N4TTE      | G4PUQ  | W5VU       |
| WA4MYO     | VE1PZ      | N6PF       | G4VGO  | W6SZN      |
| WA6TLA     | VR2MY      | N6WM       | I0OSI  | YO7APA     |
| WQ5W       | VY2ZM      | N8MZ       | IZ0BVU |            |
| YL2GN      | W1LY       | N9DR       | JA2GQO | <b>102</b> |
| YU3EF      | W1MRH      | NJ9C       | JA2OLJ | A6/RV6LNA  |
|            | W4OWY      | NN3Q       | JA3FHL | CT4BD      |
| <b>105</b> | W6FF       | RA1QX      | JA8EJO | DK3QM      |
| DF2PI      | YU1NR      | RU3UR      | JH1DGQ | DL1TRK     |
| DF8AA      |            | RZ6DX      | JM2RUV | DL3DXX     |
| DJ3XD      | <b>104</b> | RZ6LB      | K0EOO  | DL3NCR     |
| DJ6KH      | 9M2AX      | SM5CCE     | K2UVV  | DL4CW      |
| DL2AYK     | AA3LX      | SM7CQY     | K4LQ   | DL4KUG     |
| DL4ZAB     | AD1C       | SO5AS      | K5JUC  | DL5RDI     |
| DL6XK      | AG4Q       | UA9FGJ     | K7BTW  | EA8AKN     |
| DO1CTL     | AH0U       | US5CAO     | K8CCV  | EI4DQ      |
| ES1GO      | CP8HD      | UT4EK      | K9MUG  | EI6GF      |
| G3YUV      | CX3CE      | UT7EC      | K9XJ   | ES5RW      |
| HA8FW      | DK3BK      | UX4UM      | KE1IU  | F6BWO      |
| JA1BWA     | DL4FAP     | UY0MM      | KJ4R   | FM5WD      |
| JA1JAT     | DL7UPN     | VE3VHB     | KJ7WY  | HB9AHL     |
| JA1TAA     | E73D       | W0YBS      | KM9E   | I8LWL      |
| JA6VA      | EA8ZS      | W1QA       | KQ5M   | IK4AUY     |
| JA7BME     | EI9E       | W3DRY      | LX1DA  | IT9SFT     |
| JA8RRF     | F6AJA      | W3TMZ      | N0RU   | JA0HXY     |
| JA9APM     | F8GB       | W5BK       | N1HOQ  | JA8OW      |
| JF1RYU     | G3BRD      | W5CWQ      | N8HRZ  | K0YN       |
| JO4CFV     | HB9CIP     | W5GJ       | N9BBQ  | K1PTF      |
| K1DJ       | HK3O       | W5RF       | NU1T   | K2LP       |
| K2XF       | IK0DWN     | W5ZO       | OH3GD  | K2TK       |
| K5AV       | IZ4MJP     | W6PH       | OK1DQT | K3KG       |
| K6DJ       | JA1SDV     | W7DR       | OK2BQU | K4AQQ      |
| K7OX       | JA1WSK     | WA0I       | OK3BRK | K4KAY      |
| K7PO       | JA2FGL     | WA3PTF     | OZ7JZ  | K4LM*      |
| K9RO       | JF1EGO     | WA9ETW     | R9GM   | K5ZO       |
| KI5T       | JF6WTY     | WW5G       | RA0FA  | K7BHM      |
| KT2E       | JK1BSM     | YC0LOW     | RA4HT  | K7UA       |
| LZ1JZ      | JO1WYO     | YO2CMI     | RK3QY  | K8BHZ      |
| N4JI       | K0WK       | YO5ODE     | RU3OW  | K8OQL*     |
| N4NW       | K1BG       |            | SM3CBR | KJ6NZ      |
| N4PL       | K2TER      | <b>103</b> | SM6EHY | KN4KL      |
| N4SC       | K3FM       | AA2VG      | SM7BHH | KW4BY      |
| N4VN       | K4KEW      | AG1I       | UA3PFN | KY6R       |
| N6NU       | K4MF       | AI3Q       | US2WU  | LA3ANA     |
| N7DR       | K4VIG      | DJ1MM      | UT2AB  | LA6UL      |
| ND3L       | K5HK       | DJ3GZ      | VA2ZO  | N0ODK      |
| ON7PQ      | K6UM       | DJ7PI      | VA3IC  | N5RZ       |
| OZ4AAL     | K7TJR      | DL2HX      | VE3EDY | OH2EA      |
| PF7M       | K9EA       | DL8YRM     | VE3MFA | OK1DTN     |
| PJ2/K8ND   | KA2BZS     | DM5TI      | VE3VV  | OK1JDX     |
| PY2DS      | KH6KG/W5   | DS3HWS     | W0QC   | OK3CSQ     |
| R6YY       | KI0KB      | EA7SG      | W0UVC  | PA7TWO     |
| RA6AF      | KW0A       | EU6MM      | W1CTN  | PV8ABC     |
| RD4WM      | LZ2XF      | EW3LB      | W4AVY  | PY2DO      |

|            |        |            |        |         |
|------------|--------|------------|--------|---------|
| R2AB       | JH3HGH | UT1CC      | JA1BRK | N9ADG   |
| R3IS       | JH3PRR | UT4IS      | JA1CPU | NA6O    |
| RU3UN      | JI3KDH | UT7HA      | JA1ILA | NB3R    |
| S59DJK     | K0LW   | VE2OJ      | JA4FSH | NG7A    |
| SM6WET     | K1YR   | VE3ARF     | JA5DQH | NJ3I    |
| SP5MXZ     | K2BX   | VE3XB      | JA9CGW | NN4SS   |
| T77V       | K3SEW  | VK2GR      | JF3DRI | NV4B    |
| UA1AIR     | K5DNL  | W1FC       | JS6TWW | OE5JDL  |
| UA1CKC     | K5WE   | W1GF       | K0SRL  | OK1DXD  |
| UA6HOF     | K6AAW  | W2SF       | K0XM   | OK2PAZ  |
| UA9MR      | K6XJ   | W3WH       | K1NA   | ON4ANN  |
| UA9UCO     | K7AR   | W4BUE      | K1NZ   | ON7EH   |
| UW7CN      | K7IA   | W4PM       | K2CBI  | ON7GB   |
| VE2FYR     | K8BN   | W7AV       | K2CYE  | ON9CC   |
| W0JMP      | K8YYY  | W7CB       | K3TZV  | OT1A    |
| W1AW       | K9JU   | W7QC*      | K4FT   | OZ1ZD   |
| W1PV       | K9PG   | W8GB       | K4KGG  | PA0INA  |
| W2LW       | KC4PX  | W9MAF      | K4KSY  | PA7RA   |
| W2TX       | KD3UY  | W9ZCL      | K4QS   | R3PJN   |
| W3EKT      | KE1VT  | WA3EKL     | K4UQC  | R9JX    |
| W4ALF      | KE4S   | WB3HLH     | K7VIC  | RA3SD   |
| W4KK       | KF7NN  | WC4H       | K8BZ   | RA4LW   |
| W5TO       | KN6J   | WK9U       | K8CR   | RA6XB   |
| W7IUV      | KQ1F   | WR2G       | K8CS   | RC2A    |
| WA0IDK     | KS4XQ  | YO2OXD     | K8LE   | RN1A    |
| WA1SXX     | LA2GV  | YO6BHN     | K9NZ   | RT5A    |
| WD8DSB     | LZ1XZ  | YV4DYJ     | KB0EL  | RU3GF   |
| WS4Y       | N0STL  |            | KC0V   | S53MJ   |
| YO2IS      | N2AJ   | <b>100</b> | KC4D   | S59SV   |
|            | N5AQ   | 9M6YBG     | KC4NX  | SM5AHK* |
| <b>101</b> | N8AG   | A41ZZ      | KC5LT  | SV1FJP  |
| AA4NU      | N9JCS  | AA4AK      | KD8BZY | SV1VJ   |
| AC2AC      | NX2X   | AB4VV      | KN9N   | SV2DSJ  |
| AC5O       | NZ9Z*  | AC4VM      | KP4N   | TI5CDA  |
| CT1JGA     | OA4TT  | AI2S       | LA8W   | UA3AKI  |
| D44BC      | OE3WQB | DH0GSU     | LU5OM  | UA4PAY  |
| DH2FW      | OH3TY  | DJ6OI      | LU5YF  | UA6CEY  |
| DK9WI      | OK1PGF | DK8MM      | MM0SJH | UN2G    |
| DL1KS      | OK2BOB | DL1MEV     | N0AH   | UN6P    |
| DL3ANK     | OK3EY  | DL1TPY     | N0ATQ  | UR4CW   |
| DL5JS      | OK4MM  | DU7ET      | N1GFV  | UR4LRG  |
| DM3ML      | ON4LG  | EA2AAZ     | N1KI   | UR8IDX  |
| EA1WX      | PA4WM  | EA3ALD     | N1MD   | VE1RGB  |
| EU1TT      | RA3AH  | EA8AXT     | N2CJ   | VE3OAT  |
| G3ZFC      | RA4P   | EC5A       | N2SG   | VE7JKZ  |
| G4FJK      | RA4SD  | EI3ISB     | N2XQM  | VP2VA   |
| GM3WTA     | RB7GG  | ES5NC      | N2ZA   | VR2PX   |
| HB9NL      | RK9F   | FM5GU      | N3AF   | W0GYH   |
| IK5ZUK     | RY6M   | G0VXE      | N4CRI  | W0MU    |
| IV3GOW     | SM2DMU | G4CGG      | N4RWG  | W1AN    |
| IV3KCB     | SM7NDX | GM3ZSP     | N4ZR   | W1YRC   |
| IZ6ERS     | SP9DH* | I2VGW      | N5QS   | W2CCC   |
| JA1VVX     | SV1PL  | IK0HFO     | N6PM   | W3BBO   |
| JA2VMU     | UA0FDX | IK4MSV     | N7TK   | W4HHN   |
| JA6TMU     | UG6GAW | IS0/YO3RA  | N8IL   | W4OEP   |
| JE1PHH     | UR5WIF | IT9CVO     | N8NB   | W4OV    |
| JF1RPZ     | UR7CQ  | IW0BYL     | N8OQ   | W6WA    |

W7BA  
W7DT  
W8CNL  
W8FN  
W8GDQ  
WB4SON  
WB8TGY  
WK4Y\*  
YB1TJ  
YL2SM  
YO9FLD  
ZP9MCE