

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

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

|                                              |                                                                |                                                                                             |                                                                                     |                                                                     |
|----------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>344</b><br>W8LRL                          | <b>326</b><br>EY8MM<br>S50A                                    | K5RK<br>OH3SR<br>W3LPL                                                                      | <b>310</b><br>RA3CQ<br>SM5BFJ<br>SM6CVX<br>W5IZ                                     | <b>304</b><br>DJ0MDR<br>GM3YTS<br>N4JJ*                             |
| <b>341</b><br>EA8AK                          | <b>325</b><br>K4PI<br>K9UWA<br>ON4UN*<br>SP5EWY<br>UA2FF       | <b>316</b><br>IK4WMA<br>OG2M<br>PE5T<br>W2VO                                                | <b>309</b><br>IK4MGP<br>W3GH*                                                       | <b>303</b><br>F5LGE<br>G0JHC<br>JA1BK<br>K1UO<br>K9QVB*<br>RU3DX    |
| <b>340</b><br>K1ZM                           | <b>324</b><br>K2TQC<br>OH2BO<br>W1NG                           | <b>315</b><br>S50U<br>W1JR                                                                  | <b>308</b><br>IV3PRK<br>K4SV<br>K8GG<br>N4RJ<br>OH5VT<br>SV8JE<br>UT3UA             | <b>302</b><br>N3XX<br>OE1WEU<br>SM3EVR<br>SP3EPK<br>SV1FJA<br>SV8CS |
| <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>307</b><br>CT1EEB<br>DJ7MI<br>VE3EJ                                              | <b>301</b><br>DL9KR<br>F6BKI<br>JA4DND<br>LZ2JE<br>N1RJ<br>PA3FQA   |
| <b>336</b><br>OH2BU                          | <b>321</b><br>K5NA*<br>SM4HCM<br>WB9Z                          | <b>313</b><br>OZ7YY                                                                         | <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>JA2JPA<br>JA4LXY<br>K4TEA<br>VA3EF  |
| <b>335</b><br>R7LV                           | <b>320</b><br>K8MFO<br>W8UVZ                                   | <b>312</b><br>OH1MA<br>S54E                                                                 | <b>305</b><br>GM3GAV<br>JA4LKB<br>JA7NI<br>K4ZW<br>NN4T<br>RW3PZ*<br>SM3GSK<br>UA6A | <b>299</b><br>EU7A<br>N1BUG<br>UX1UA<br>W7UT                        |
| <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>332</b><br>UR0MC<br>UT7QF                 | <b>318</b><br>4X4DK                                            |                                                                                             |                                                                                     |                                                                     |
| <b>331</b><br>K5UR<br>LZ2DF<br>R4GM<br>UA4CC | <b>317</b><br>I4EAT*                                           |                                                                                             |                                                                                     |                                                                     |
| <b>330</b><br>AA1K<br>HA0DU<br>OH1XX         |                                                                |                                                                                             |                                                                                     |                                                                     |
| <b>329</b><br>K3UL<br>UA4HBW                 |                                                                |                                                                                             |                                                                                     |                                                                     |

|                                                                                        |                                                                                            |                                                                                        |                                                                                                         |                                                                            |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>298</b><br>9A2AJ<br>DF2UU<br>IK2DFZ<br>OE6IMD<br>OZ3PZ<br>RA3DX<br>SM5CEU<br>W0FLS  | W8TOP                                                                                      | IK6DLK<br>JH4IFF<br>NJ6P<br>UX1AA<br>W0BV                                              | RU3FM<br>SP9DWT<br>VE2TZT                                                                               | <b>271</b><br>G4GED<br>JA5AUC<br>KD5M<br>OZ1CTK                            |
| <b>297</b><br>DK5PR<br>N4CC<br>OM2XW<br>W0CD*                                          | <b>291</b><br>9A7V<br>CT1APE<br>K4WM<br>KD9SV<br>R7NW<br>SM6CMU<br>SP3E<br>UA3LAR<br>UT7UJ | <b>283</b><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>296</b><br>DF3GY<br>DJ2BW*<br>F5NTV<br>G4PWA<br>ON5NT<br>RY9C<br>SP3IBS<br>W1JZ     | <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>295</b><br>K3UA<br>N0TB<br>WD5COV                                                   | <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>F5NBU<br>IK4CIE<br>K2UO<br>K4IQJ<br>KF2O<br>SP6AEG<br>SP9JZU<br>UW2ZM<br>W2OKM* | <b>268</b><br>DL5DSM<br>G3WPH<br>RA3XDX<br>SM5DJZ*<br>W1MK                 |
| <b>294</b><br>DL1AMQ<br>IZ0AEG<br>JH2FXK<br>JH4UYB<br>JR2KDN<br>LA5HE<br>RJ3AA<br>W5ZN | <b>288</b><br>K5XI<br>PA3GCV<br>SL0ZG<br>SP7VC<br>UA4LY<br>W0JX<br>WK3N                    | <b>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>SP5DIR<br>W1GL |
| <b>293</b><br>I5NPH<br>IK1GPG<br>KV4FZ*<br>S58T<br>SM3NRY<br>UA3AB                     | <b>287</b><br>DL1RWN<br>G3XTT<br>N2QT<br>N7NR<br>RK4FD<br>UR5WA<br>VA3DX<br>W4PK           | <b>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>292</b><br>G4BWP<br>HB9BGV<br>OZ1BTE<br>R7FK*<br>SM5AQD<br>SV1AOZ<br>W3YX           | <b>286</b><br>DJ2YA<br>DL7VEE<br>G4CCZ<br>K3SX<br>N3SL<br>PA0WRS<br>UT7UW<br>W8AV          | <b>278</b><br>DK0EE<br>F6BEE<br>HB9AMO<br>K5DU                                         | <b>272</b><br>9A2EU<br>DL1DUL<br>DL2OE<br>LA3MHA<br>OH1LEU<br>PA7MM<br>SM5KNV                           | <b>265</b><br>AA4V*<br>AA6YQ<br>AA7A<br>EA5BM<br>YO5BRZ                    |
|                                                                                        | <b>284</b><br>HB9BIN                                                                       |                                                                                        |                                                                                                         | <b>264</b><br>IK2YCW<br>IK5HHA<br>K7ZV<br>N3NT<br>R5AJ<br>SV8CKM           |
|                                                                                        |                                                                                            |                                                                                        |                                                                                                         | <b>263</b><br>IZ1ANU                                                       |

|                                                                                        |                                                                                      |                                                                                               |                                                                                                                                                                        |                                                                                                               |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| K9OW<br>KX4R<br>LA5IIA<br>W2SM<br>W3AP                                                 | JA2VPO<br>JA5BZL<br>K5VRX<br>ON4AOI<br>SV8GFW<br>W1TSP                               | OZ8BZ<br>YO9HP                                                                                | JA0CRI<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>K4UEE*<br>KR9U<br>N5KD<br>UT9FJ<br>UX4UA*<br>W1YY               | <b>255</b><br>K4QL<br>N2MF<br>W3KX<br>W5OZI<br>YL2GD                                 | <b>249</b><br>AI9L<br>SP5DRH                                                                  | <b>242</b><br>EA4KD<br>KG7H<br>W3LL                                                                                                                                    | <b>237</b><br>DL7MAE<br>K1VW*<br>OM4EX<br>W4YO*                                                               |
| <b>261</b><br>9A4T<br>DL9YX<br>IV3ODE<br>K2EK<br>K5KC<br>N6SS<br>NO8D<br>SP1S<br>UX0FF | <b>254</b><br>5B4AGN<br>I1EIS<br>N0AT<br>OM3DX<br>WA4FFW                             | <b>248</b><br>K3WW<br>K5RX<br>N6TR<br>SM3VAC<br>T77C<br>W9NGA                                 | <b>241</b><br>AC4G<br>JA0DAI<br>JA1SYY<br>JA3EMU<br>JA5MHD<br>JR3GWZ<br>K5ZK<br>KA9CFD<br>N4XM<br>N5TY*<br>N7RT<br>NV9L<br>OK1DWJ<br>SP5GRM<br>UA3TT<br>VE1YX<br>VE3NH | <b>236</b><br>JG1ULJ<br>K1JO<br>K5EK<br>K9NR<br>K9ZO<br>KC7V<br>OK2ZI<br>OZ4O<br>SP8AJK                       |
| <b>260</b><br>I1FQH<br>K1LT<br>K4DY                                                    | <b>253</b><br>IV3YYK<br>JQ3DUE<br>K5ESW<br>R5DT<br>S58Q<br>SP9FKQ*<br>UA1OMS<br>W0YG | <b>247</b><br>K0IEA<br>K6XT<br>NO2R<br>OE2LCM<br>R7IA<br>TF4M<br>WA7NS<br>WB3AVN              | <b>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>WA7NB                                           | <b>235</b><br>CX6VM<br>DJ5FI<br>EA6VQ<br>JA0FSB<br>JH4ADV<br>K3SWZ<br>N6DX<br>R7DX<br>S51DI<br>VE3DZ<br>VE3XN |
| <b>259</b><br>DF4PL<br>G3ZSS<br>K8FL<br>N2NL<br>R9FM<br>VK4MA                          | <b>252</b><br>EA1DR<br>JF2MBF<br>JG3QZN<br>JR3IIR<br>NN4X<br>PA4VHF<br>S52F<br>W3UM  | <b>246</b><br>DJ2TI<br>F2JD<br>IK0MHR<br>JA7QVI<br>JF8QNF<br>OK1CF<br>UR5EDX<br>W2TQC<br>W5XZ |                                                                                                                                                                        | <b>234</b><br>IK6FWJ<br>JH1HGC<br>K1AR<br>K4UTE<br>KF0QR<br>PY1BVY<br>VE7IG*<br>W7AO                          |
| <b>258</b><br>JH1GZE<br>KW9A<br>KY7M<br>N8TR<br>RN3CT<br>VE3QAA                        | <b>251</b><br>AB3CV<br>DJ7RD<br>DL9RT<br>JH0BBE<br>PY2RO<br>W5UN<br>W7LR             | <b>245</b><br>DL4CF<br>EI2CN<br>JA1GV<br>N9US<br>RL9F<br>RY7G<br>W9XY                         |                                                                                                                                                                        | <b>233</b><br>DF6PB<br>IZ4BEZ*<br>IZ8FWN<br>K0CS<br>K2UU<br>KA7T<br>ON4GG<br>SK3PY<br>UA4HAU                  |
| <b>257</b><br>AA1QD<br>K1GUN<br>K9NW<br>N4II<br>W3DF<br>W9YSX                          | <b>250</b><br>HB9RG<br>IK0XBX<br>K2FF<br>K9RX<br>NQ1K<br>ON4IQ                       | <b>244</b><br>AG9S<br>DK6WL<br>F6BLP<br>IZ8FFA<br>JA1HGY<br>SV1RK                             | <b>239</b><br>AJ6T<br>IK0YUT<br>IW1ARB<br>K1HTV<br>KH6AT<br>LY3UM<br>RN3QN<br>RU3QR<br>SV1ELF<br>UW5ZM                                                                 |                                                                                                               |
| <b>256</b><br>9A5CY                                                                    |                                                                                      | <b>243</b><br>DK2JX<br>DK3DG<br>G8VR                                                          |                                                                                                                                                                        |                                                                                                               |

VA2WA  
W1TC  
YO7LCB

**232**

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**

9A8A  
DL5WW  
JA6BZI  
JF2KOZ  
JR6EZE  
K9FD\*  
LA7GIA  
MM0EAX  
SP3CGK  
US0SY  
UT5JAJ  
VE6WZ  
W0VTT

**225**

A45XR  
EU1KY  
JH7PFD  
JJ3PRT  
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**

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  
DL9MRF  
HB9CXZ  
HB9DDZ  
JA0UUA  
JF4VZT  
K5RT  
KG9N  
N9LB  
PY2BW  
VE1DX  
W0AIH\*  
W0ZR  
W6PBI\*  
W7KNT  
W9OO

**208**

G3NSM  
I4LCK  
JA2JNA  
K2FU

|                                                                                                                        |                                                                                                                                                                                 |                                                                                                                                 |                                                                                                                                                                      |                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LA7HJA<br>N5ORT<br>PY2XB<br>RU3ZX<br>RX3APM<br>SM5JE*<br>UN5J<br>UY1HY<br>W6PJ<br>W9EWZ                                | 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                                           | W2IRT<br>W5TCX<br>XE2X                                                                                                          | AA4HP<br>IK4PLW<br>JA3RAR<br>K0BBC<br>K3PA<br>K8PO<br>KP2A<br>ND0N<br>RA9CMO<br>RZ4FO<br>W2FCR<br>WN6W                                                               | <b>192</b><br>AD8P*<br>K0JGH<br>K3FN<br>K4FJ<br>K5XX<br>K9EU<br>KF7PG<br>N4DB<br>W3UA<br>W8LGJ                                                                        |
| <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>191</b><br>CT3MD<br>HK3W<br>K8FC<br>K9LA<br>RK2FWA<br>WA3C                                                                                                         |
| <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>K4KDX<br>K9JF<br>KB9LIE<br>NE1B<br>W2LO<br>WD8JJA                                                                                   | <b>190</b><br>AA1ON<br>CT1FPQ<br>IZ8XQC<br>JA1DUH<br>JA1MCU<br>JA2LCP<br>K2TE<br>K9KU<br>KB0EO<br>KB1EFS<br>KM1D<br>N4XU<br>N5GH<br>SM0NJO<br>SP2LNW<br>VE7VV<br>W9AJ |
| <b>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<br>W0MHK                                                                                                       | <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<br>WA2VYA<br>WE9R | <b>189</b><br>9A2F<br>CT1FMX<br>EA8PP<br>FM5CD<br>K4CN<br>SP7HOV<br>UA7T<br>W5DM*                                                                                     |
| <b>204</b><br>9A2NA<br>AA5AM<br>DJ5AV<br>F4BKV<br>IK7NXM<br>JA5AQC<br>JA9NFO                                           |                                                                                                                                                                                 | <b>196</b><br>4Z4DX                                                                                                             |                                                                                                                                                                      | <b>188</b><br>AB4IQ<br>JA1KQX<br>JA8DNV<br>KE9ET<br>KL0S<br>N8LJ<br>NN2L                                                                                              |

RM0F  
W1YM  
W6SR  
W8JV  
WA6YEE

**187**  
AJ1H  
K0SR  
K6SRZ  
KN5O  
N2NS  
OK1CZ  
W7AWA

**186**  
IK2QPR  
JA2ZL  
K0BJ  
K7LAY  
LA9GX  
YL2TW

**185**  
AB6QM  
CT1EAV  
EA6BF  
G3KWK  
IK3SWB  
JA3ENN  
K5ZD  
LA3WAA  
N4TJ  
N5UR  
OE2BZL  
SV1DPI  
UA9CBO  
W0EWM\*

**184**  
HA5WA  
IW0SAF  
JF1NZW  
K4HGX  
K5KLA  
KB4ET  
N4OGW  
N9RC  
S57AC  
US8UA  
UT2UB  
W2YJ

**183**  
IT9INO  
JA9NLE  
K8RRT

K8VC  
N9MB  
ON6SAS  
W2FP  
W8NW

**182**  
DJ9ON  
DK3UA  
JA1SHE  
JR7BDQ  
N3OC  
UR3EO  
UT5UT\*

**181**  
DK3WW  
JA2BDR  
JA9TWN  
JG0CQK  
JN4MMO  
K2EP  
LZ2ZG  
VE3OSZ  
W1RM  
W6NWS

**180**  
4Z5MU  
DM2DXA  
DM3VL  
EA8JF  
IK4ADE  
JE2URF  
K6SSS  
K7BG  
LA9AJA  
N1RR  
N4AH  
ON5FP  
SP1MGM  
W2OR  
W7BEM  
W8TN

**179**  
IT9ELD  
K0TT  
K8WK  
KI5BLU  
N2PK  
OK1MG  
S57UN  
SM4DDE  
SV3FUP  
W8KEN  
WC4X

**178**  
4Z5CX  
EA3CJ  
JA4MRL  
JL1SAM  
K2UR  
K4RG  
N7XR  
NE0U  
SM7DLK  
SV1JG  
W7MEM  
ZS1LS

**177**  
9H1SP  
AE5E  
CT1GFK  
K3WC  
K5GKC  
K6ZZ  
K9NU  
OK1DWC  
PY5EW  
SM5FUG  
SM6DHU  
W5LT  
W7FI  
WB7B

**176**  
EU1AB  
G0BLB  
I6FLD  
JA0DET  
JA5IU  
JA6BJV  
JA8KSF  
JS3CTQ  
K8MN  
N5OK  
PE1L  
RL3FA  
W4BP  
W4GD  
YO7NE

**175**  
JA1CHN  
JA1PPW  
JA6VQA  
JE3ENP  
JH2QMT  
JH7CFX  
K2KA  
K4DLI  
LA5LJA

N7IR  
TF3SG  
VE3FF  
W8HC  
WA9PIE  
WX0V

**174**  
HB9TKS  
JA0GJJ  
JA2XW  
JA7MOL  
JF7DZA  
JK1OPL  
JR6PGB  
K1KI  
K2PLF\*  
K3AJ  
K4TR  
K4WS  
K4XR  
N1EN  
OE1WHC  
RN7F  
UA3LNM  
W8UV  
W8VVG  
WT8C

**173**  
5B4ALJ  
JE2LPC  
JG3IWL  
K1NTR  
K9YC  
N5FG  
RC9F  
UN9L  
VE6WQ  
W3IP  
WA5YNB  
WB0TEV

**172**  
EA7TV  
G3NKC  
HB9FMN  
IZ5MOQ  
JA3FGJ  
K0DEQ  
K1BD  
K6FG  
KJ0M  
W3JX  
W4FQT  
WA3AFS

**171**  
AA9D  
DL6KR  
G0EHO  
HA9PP  
JA6HUG  
JF1WPB  
JH6QFJ  
JR1TNE  
K1NU  
K2FL\*  
N0RN  
N7RO  
RA3DNC  
SV1LK  
SV2AEL  
W7Yaq

**170**  
DJ6TK  
IK0PEA  
IT9DSZ  
JA6JPS  
JM1GYQ  
N4PY  
SP3GTS  
SV3KH  
W9EVI  
WA0MHJ

**169**  
EI6FR  
JA1ADT  
JH7IAJ  
JR1IZM  
K1LI  
N4XX  
N7US  
RN3OG  
UT8MM  
UY5AA  
W6RW  
WB3JFS

**168**  
G3MXJ  
I2ZGC  
IK2EGL  
JE7JDL  
JF2UPM  
K4XD  
K5QY  
K8RYU  
K9MBQ  
KR4F  
N4QQ  
N8BJQ

|                                                                                                                                                                                      |                                                                                                                                                                 |                                                                                                                                                                                             |                                                                                                                                                                                          |                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PA7F<br>SP5GH<br>SP6EQZ<br>W4SVO<br>W6VX<br>W8OI                                                                                                                                     | <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                                           | K5GO<br>K8ND<br>LB2TB<br>N4GN<br>OE5RLM<br>OH6RA<br>VK3HJ<br>WE1P<br>YU2TW<br>ZS5LB*                                                                                                        | K9GA<br>KQ4AV<br>OZ1HX<br>RU6M<br>SM4EMO<br>W0SZ<br>W1OX<br>W3GQ<br>W4QN<br>WS5W                                                                                                         | SM6VR<br>UN7LZ<br>W2XI<br>ZS6EZ                                                                                                                                                                                                                          |
| <b>167</b><br>CT1FCX<br>DK5AD<br>EC3A<br>JF2XGF<br>K6KO<br>K8NK<br>N0IJ<br>N3BNA<br>OH2BLD<br>PA3C<br>RA1AOB<br>S5IEC<br>W1YW<br>WA4LOX<br>WC5N                                      | <b>163</b><br>9A2JK<br>AA8CH<br>DJ9HX<br>JE2LUN<br>JH4CPC<br>K1USA<br>K7NN<br>K8TL<br>OK2QA<br>RW3RN<br>UR4CWQ<br>VE3CFK<br>W7AL                                | <b>160</b><br>AD5Q<br>DK1WB<br>DL1DA<br>EA3GP<br>HB0CC<br>IW2FND<br>JA2EPW<br>JA9APS<br>JE2OVG<br>JR7MAZ<br>K3MSB<br>K3RA<br>NR4M<br>RU6L<br>UA0FZ<br>UX5UO<br>W1BR<br>W5XC<br>W9RN<br>WX0B | <b>157</b><br>AA4H<br>AB9V<br>AC6DD<br>DL4MM<br>EA5BY<br>G3TQZ<br>JA1GHH<br>K0QC<br>LY5A<br>N3RC<br>N5MOA<br>NE9Z<br>RU4UR<br>SM3PHM<br>SV8ZS<br>W2TA<br>W5GZ<br>W7TVF*<br>WS7L<br>YV2IF | <b>154</b><br>3V8SF<br>F5LVL<br>GM3PPE<br>JA8NFV<br>JL1UXH<br>K0KVR<br>KR2Q<br>NX8Y<br>RN3TT<br>W1NA<br>W5DNT<br>YS1RR                                                                                                                                   |
| <b>166</b><br>4Z1UF<br>AA6AA<br>DJ4SO<br>IV3TDM<br>JA1FNA<br>JA9LJS<br>JH2SON<br>K1KA<br>K3KY<br>K4JLD<br>K4PB<br>K4WA<br>K4ZYU<br>NY0V<br>RM3DA<br>W0DJC<br>W1RR<br>W8ILC<br>WA8TXT | <b>162</b><br>4O3A<br>9A4W<br>F3AT<br>HB9BUN<br>IZ4DPV<br>JA6GIJ<br>JH4ALY<br>JR5JAQ<br>K1CA<br>LB6KC<br>N8MR<br>VE7SL<br>W0HT<br>W0TT<br>W1LW<br>W2XL<br>W8WEJ | <b>159</b><br>DL6MRS<br>JA4FKX<br>JL1RUC<br>K4RO<br>OK2ZV<br>UN7JX<br>W3HKK<br>W6BJH<br>W7SX<br>WD5BJT                                                                                      | <b>156</b><br>FM5BH<br>IZ8IEV<br>JE3GRQ<br>JO7HAM<br>K8YSE<br>KD0PO<br>KS1J<br>N3UA<br>N7WS<br>SP5IWA<br>SV1CNS<br>UA3SAQ<br>VA3LX<br>W1YIF<br>W4TV                                      | <b>153</b><br>AJ9C<br>CU2AP<br>DF2RG<br>DL1DUO<br>DL3ZA<br>G3TJW<br>HL2CFY<br>JA2VQF<br>JA5XAE<br>JF1IRW<br>JH1NYM<br>JR1XIS<br>JR9OPJ<br>K7SP<br>K8VFV<br>LZ1PM<br>N4TV<br>N5TW<br>N5XZ<br>N8II<br>R9OK<br>SM6CLU<br>SP5CCC<br>UT5UY<br>WB8BPU<br>WJ4T* |
| <b>165</b><br>DL7UCX<br>F6HDH<br>IK0AGU<br>JE7RJS<br>K5JZ<br>KK4CB<br>N4HB<br>N9FN<br>SM4CTT<br>W5BN                                                                                 | <b>161</b><br>DK2GZ<br>DL6RAI<br>G4GIR<br>HB9DHK<br>IK0FUX<br>IZ3ENH<br>JA1DOF<br>JE2DZC                                                                        | <b>158</b><br>DJ4PT<br>DL1FKA<br>E70T<br>HB9HFN<br>HB9SLO<br>JH1TWT<br>J11FXS<br>J11NJC<br>JR1GJP<br>JR3OEJ<br>K5TT                                                                         | <b>155</b><br>DL1RK<br>DL4SZB<br>K2LS<br>N2ZN<br>NE0DX<br>NW7E                                                                                                                           | <b>152</b><br>EW2A<br>HA1RB<br>HB9RYZ<br>JT1CO<br>K9MK<br>KS3F<br>N9OY<br>OH1JP<br>S55ZZ                                                                                                                                                                 |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| UA6IGI     | W6DAO      | NJ3K       | <b>143</b> | W8HW       |
| UT5AB      | WW2DX      | RU0SN      | DL6EN      | <b>140</b> |
| VE6LB      |            | W1IZL      | HB9CQK     | 9A1CAL     |
| W1SKU      | <b>149</b> | W1ZT       | IK8GYS     | HB9FAN     |
| W1VT       | DL7CX      |            | IT9BLB     | JA0GCI     |
| W2/CT1GIF  | IK4FNF     | <b>145</b> | JH1HHC     | JA4OK      |
| W2RS*      | JL1ARF     | AF4HX      | K7CMZ      | K5WK       |
| W6RLL      | K3TN       | HI3T       | K7CW       | K6KLY      |
| W7AJ       | K4YYL      | IT9ZZO     | N2RJ       | KF8DX      |
| W9JJB      | K6NR       | IU0HDC     | N5UW       | N4XP       |
| WB3CQM     | K7HP       | JE6TSP     | N6PAT      | OH6NIO     |
|            | K8ME       | JH4HMG     | NN4R       | ON7DR      |
| <b>151</b> | LB5WB      | JH7RXU     | VE3CV*     | UN1L       |
| AA7G       | NA5C       | JJ3HGJ     | W0IZ       | VE6SV      |
| DK2OY      | R8TX       | JK1AJX     | W6QUV      | W0SEI      |
| EI9JF      | SM6CUK     | K3VAT      | WB8CQV     | W4NU       |
| F3SG       | UW7UA      | K4OY       | WB8ZRV     | W7IV       |
| JA6BEE     | W0GG       | K8BL       | WD9DZV     | W8LWU      |
| K2AX       | W7HPW      | KF6HI      |            | WO2T       |
| K2FW       | WB8B       | KR0P       | <b>142</b> | YL2MU      |
| K8ROX      | WD5K       | N1CGP      | AB9M       | YO9FNP     |
| LA6OP      | YO3DDZ     | N4GG       | I5HOR      |            |
| N5JB       |            | N8OC       | JA2ATE     | <b>139</b> |
| N6PSE      | <b>148</b> | OE6VIE     | JH0BQX     | DF7EE      |
| OK1ATP     | DK2CC      | RT0F       | J11DCW     | DJ4XA      |
| RD3A       | F5CQ       | SM3DTR     | JR7WFC     | DL5EBE     |
| RU3A       | F5PAC      | W5ADD      | K3PP       | DL8OH      |
| S54A       | G4FTC      |            | K4WZ       | DS1JFY     |
| SP7AWG     | IV3VBM     | <b>144</b> | K6EME      | JA1TMG     |
| SV9AHZ     | JH1QDB     | CU3EQ      | KK1W       | K2RET      |
| W7CT       | N2WB       | DL5CW      | MM0SAJ     | K3ANS      |
| W7RH       | NE3F       | DL5KUA     | N7QT       | K6AM       |
| WA1Z       | W5FIX*     | EI6IZ      | NA4D       | K8GI       |
| WA2BCK     | W5FKX      | GM3ITN     | NQ7R       | K8RF       |
|            |            | HB9BYQ     | NY2NY      | KA8SYV     |
| <b>150</b> | <b>147</b> | HS0ZEE     | OK1DO      | KU0A       |
| EA1AF      | JA1XQC     | I5MXX      | W2OO       | LA8WG      |
| I0JBL      | JN1BMX     | IT9GSF     | W4WT       | NA5DX      |
| IZ0RVI     | K8UT       | IV3DXW     | W5LUA      | OH1ZK      |
| JA1SVP     | KM1H       | IZ4GWE     | W5VQ       | OK1MP*     |
| JA2NQG     | N1IBM      | JA3GN      | WA5POK     | SM5CBM     |
| JA9RRH     | PC3T       | JE1FQV     |            | SP6JIU     |
| K0RS       | W1OP       | K0VSH      | <b>141</b> | SV8ZC      |
| K1OA       | W2KKZ      | KJ9C       | AC9S       | W0SD       |
| K5TR       | ZS1C       | KM3T       | DL5MHQ     | W9XQ*      |
| K5VWW      |            | LA9VFA     | EW1BA      | WA8WV      |
| K7LV       | <b>146</b> | N1IX       | HB9FMT     |            |
| K8AJS      | EU4A       | N2WM       | JA1PTJ     | <b>138</b> |
| KU4XO      | IV3KFB     | N3KK       | JH4JNG     | DK8MCT     |
| N3QE       | JA1HQG     | SM4OLL     | K2RW       | DK8YY      |
| N9CO       | JA4DHN     | SM5CLE     | K9GWH      | DM2RM      |
| OE8SPW     | JH1GNU     | W7ZI       | SV3FUO     | EI9FBB     |
| ON6AA      | JR2LJO     | W8GNM      | W1AX*      | F6DDR      |
| OZ3SK*     | K5KV       | W8RLS      | W2CG       | IK8EPC     |
| SQ5EBM     | K5SM       | WC5M       | W3BW       | JA3OOK     |
| UA6YW      | K7WP       | WD5T       | W4JVN      | JF3LOP     |
| W4GE       | N7BT       | YO3CD      | W4VIC      |            |



|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| JK1EXO     | DJ9ZB      | G3UHU      | K1UU       | OE3SGU     |
| K1RO       | DL9FCY     | G4XEE      | K9DR       | PA3EWP     |
| KJ6P       | F6FXU      | IK5DNF     | KC2LSD     | SM3BCS*    |
| KZ5DX      | IK2SGB     | IZ8DFO     | KH2L       | W0YVA      |
| OZ8X       | IZ7EVZ     | JA6CBG     | KM3V       | W7QHE      |
| PY5EG      | JA7LGE     | JA7GLB     | KM4H       | W8MET      |
| RW4CY      | JA7LMZ     | JA9AGN     | N3MK       | W8MK       |
| UN7JID     | JA8BNP     | JR6FC      | N4QWZ      |            |
| V51B       | JA8JL      | JR7FRW     | N5PHT*     | <b>128</b> |
| W1GD       | K1ZE       | K2CDJ      | N6RK       | AA4SC      |
| W2YE       | K4TT       | K6SIK      | ON4ON      | JA1XCZ     |
| W4YV       | K4ZRJ      | KU2A       | R0SR       | JA2AHH     |
| W7OM       | K7FL       | OE1KM      | R9MJ       | JA2KSP     |
|            | K7XB       | RA5BM      | R9SA       | JA4KDT     |
| <b>137</b> | KX4TT      | UQ2PZ      | S51NM      | JA9AA      |
| EA1YO      | NZ9R       | VE3WT      | W7JY*      | JE1LFX     |
| GM3YOR     | R3VA       | W0NFL      | W8DCH      | JH4GJR     |
| HB9IQB     | R7LP       | W2QO       | W8KA       | K0FF       |
| IZ2FOS     | RK2M       | W5AJ       |            | K3XA       |
| JA3APU     | RN3RQ      | W6RKC      | <b>130</b> | K4JAF      |
| K2QMF      | SM3LGO     |            | CT3KN      | K4SE       |
| K4JKB      | SM5CZK     | <b>132</b> | DF9ZW      | K6LPO      |
| K8NS       | SP3XR      | AA4NC      | E73M       | KG7CW      |
| RA3CO      | SV5DKL     | AD6W       | EI2JD      | KM4NS      |
| RG7G       | UB3A       | IK3VBB     | G7VJR      | N5KM       |
| UU1JA      | W1DIG      | IT9RDG     | HK0HEU     | N9RD       |
| W1ITU      | W2GD       | JA3DY*     | IK3XJP     | OZ1IKY     |
| W5ODD      | W4BUW      | K6YUI      | JA2FBC     | R9SG       |
| WB5JID     | W4MBD      | K9ZM       | JN1RQV     | S53X       |
| WE4S       | W4RFZ      | KO8SCA     | K2MYR      | S55DX      |
|            | W6DR       | N5ZC       | K3NK       | SV3DCX     |
| <b>136</b> | W6JTI      | N6HY       | K7LFY      | US8UW      |
| E72U       |            | OZ2RH      | K8BCK      | VQ9LA      |
| ER0FEO     | <b>134</b> | SM4BZH     | K9GL       | W2WC       |
| IK8CNT     | CT3HF      | SM6BGG     | NA4EA      | W4IS       |
| JA2KVD     | IK4DCS     | VE3CRG     | NO9E       | WB0O       |
| JA5FDJ     | K1TO       | W4AXL      | OZ2ABI     | ZS6UT      |
| K0TV       | K1ZN       | W4RBO      | R5QA       |            |
| K4ZO       | K3OX       | W4WM       | R9AB       | <b>127</b> |
| K7TM       | K5VIP      | W5SL       | RU1AO      | AC9EM      |
| KR6C       | KS4YT      | W7AH       | TA1CM      | HB9EFK     |
| OK1DW      | N9MR*      | W7CD       | VE3DO      | HK1MW      |
| SM3GQP     | N9RS       | W9FR       | W2MPK      | IK0LNN     |
| SM5OJH     | OE1TKW     | WB3D       | W9ZT       | JA1DDH     |
| SP2BMX     | ON4CAS     | XE2S       |            | JA1WLO     |
| SP6M       | PY5HOT     | ZS1A       | <b>129</b> | JA8RJE     |
| UT3UZ      | RG6G       |            | HB9AZZ     | JA9KRO     |
| UW8SM      | RX4HW      | <b>131</b> | JA1NWD     | JH3AIU     |
| W1EQ       | SM0BYD     | DK7YY      | JA8JO      | JS2LHI     |
| W1OPD      | UA0ACG     | HS1NGR     | JH3CUL     | K0RW       |
| W2OIB      | UA9OR      | JA0AOO     | K6XM       | K3TRM      |
| WB7QXU     | W4JKC      | JA2TBS     | K8DV       | KV4T       |
|            | YU1AM      | JG1DUZ     | LB7ZG      | N1AC       |
| <b>135</b> |            | JH4ADK     | N0YY       | N1GC       |
| 5B4MF      | <b>133</b> | JJ4POR     | N2BJ       | OE8HIK     |
| AG1A       | 9K2NO      | JJ1TEA     | N3KS       | SK7AX      |
| BA4RF      | EU1U       | JM1FHL     | N3RR       | SP6A       |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| SP7ASZ     | UR9QQ      | N9LQ       | N1JP       | W7RN       |
| VE7BV      | UU7JM      | NA2P       | N3ND       | WA2USA     |
| W0CP       | VE3UTT     | NA9RB      | N4TL       | WB6CJT     |
| W0RT       | W5DAW      | S50B       | N6HC       | WC2K       |
| W3BG       | W9CG*      | UA3DK      | N8PW       | ZL4AS      |
| W3FOX      | W9DX       | UT3QU      | SV1AHX     |            |
| W3MF       | WT4Q       | W1AO       | SV1FKZ     | <b>119</b> |
| W8LMG      | WV4TN*     | W4NF       | UQ1GWW     | AA3AZ      |
| XE1KK      | YO2RR      | W8NJR      | UT4EO      | DK3GG      |
|            |            | XE1H       | UU2JQ      | DL9OBY     |
| <b>126</b> | <b>124</b> | <b>122</b> | VA3AYA     | EW4M       |
| DG7RO      | AA7XT      | G3NDC      | W0QQ       | G4DJJ      |
| DJ8WD      | AB1OC      | HB9DHG     | W2GG       | HB9AAQ     |
| F8BPN      | AJ4A       | IC8SQS     | W4UCK      | HB9BCI     |
| G4IUF      | J11DHY     | IU0LFQ     | W6XI       | I2TZK      |
| JA7KY      | K5UZ       | JA1MRM     | W9XX       | I4MKN      |
| JJ1DWT     | KD2T       | JA2HYD     | W9YE       | IK0ZIO     |
| K2HAT      | KD4POJ     | JR3UIC     | WA1PMA     | IV3HYD     |
| K2ZD       | NA2U       | K1BZ       | WY1G       | JA3AZD     |
| K4XU       | PA0TCA     | K1ESE      | XE1VIC     | JA4XGC     |
| N8NA       | UA0BA      | K1YT       |            | JE2JMV     |
| N9DED      | VA7CRZ     | K2MP       | <b>120</b> | JH6CDI     |
| OK3CQD     | VE1DUN     | K3NF       | 9A5F       | K7EG       |
| PA5TT      | W2JU       | K7ZA       | AA5JF      | K8KWT      |
| VE3CX      | W2RIJ      | LA7WCA     | AL7TC      | N0KV       |
| W8REW      | W3FM       | LA8PT      | DL2VWR     | N4DJ       |
| W9ILY      | W6CYX      | N3NR       | FG5FR      | N9UA       |
| WB2REM     | W9FI       | N9AW       | HB9BLQ     | NT2A       |
| WD4LBR     | WB8K       | NN7X       | IZ0LKV     | NY7T       |
| YU1EXY     |            | OZ3Y       | IZ5NFD     | OH5NG      |
|            | <b>123</b> | RD4A       | JA4EPE     | OK1DT      |
| <b>125</b> | AC4TO      | SP9WZS     | JG3LGD     | R6FFB      |
| 9A1AD      | DL7JRD     | US0YA      | JR6LLN     | SV1ACK     |
| GW3TMP     | EI2GLB     | UU4JMG     | K2BA       | W4HZ       |
| HK4SAN     | F4GTB      | VE3YF      | K2HK       | W5JMW      |
| IW0HEX     | G4WFQ      | VE6AX      | K3QIA      | W5QP*      |
| JA4IYL     | G5LP       | VK4CAG     | K9SG       | W8FIB      |
| JA6VU      | HB0WR      | W0RX       | KA8ZPE     | XE1RCS     |
| JE1TSD     | IK2CHZ     | W2TB       | KP4AA      |            |
| JE6UWU     | JA0CRG     | W3RJW      | N4BAF      | <b>118</b> |
| JF2WXS     | JA1SJV     | WA3I       | N4LR       | 5T5PA      |
| JH1AGU     | JA3MHA     | WA7BNG     | N4TB       | AB2E       |
| J14WAO     | JA6WJL     | WP3R       | N4UFP      | DL5OCE     |
| K1HAP      | JR1EBE     |            | NA9Q       | JA1OVD     |
| K3FRK      | JR2UBS     | <b>121</b> | OE3EVA     | JA4FHE     |
| K5KG       | K2PK       | AA4DD      | OZ2A       | J18DGO     |
| KA6BIM     | K3XO       | AA6RR      | PZ5RA      | JN7DOS     |
| KI4WCQ     | K4ZIN      | AE3T       | RL3BZ      | K3WGR      |
| KV4AA      | K5GH       | DF1DB      | SP3PLD     | K4CNW      |
| LZ1XL      | K5JC       | DJ8ES      | SP7ITB     | K5XM       |
| N2KA       | K6FW       | DK1EI      | SV1IW      | K7PI       |
| N3EN       | K7UT       | DK6CQ      | UR5IKN     | K8LN       |
| N4JT       | K9CS       | IT9AAI     | US1CT      | K8WVA      |
| ND5S       | N2ED       | KD8RQE     | W2YR       | K9FN       |
| NW6S       | N4DWK      | KG9Z       | W3OA       | KD6UO      |
| OE1AZS     | N6MZ       | N0OK       | W4PRO      | KG8CW      |
| RA0BA      | N9JV       |            | W6RFL      | LZ2HM      |

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

|            |            |        |            |            |
|------------|------------|--------|------------|------------|
| NA1DX      | US7MM      | AL7R   | ZS2DL      | <b>106</b> |
| UR6QA      | W0UY       | DL6CNG |            | AA4FL      |
| VE6KC      | W4DC       | ER1LW  | <b>107</b> | AE2U       |
| VE7CT      | W4NE       | G3VAO  | 4Z5LA      | DJ6OZ      |
| VE7UF      | W5ZPA      | HB9BAT | DK3FB      | DL2NOM     |
| W0VHF      | WL7E       | IK0PRG | DL1QQ      | DL3JSW     |
| W1FO       | XE1FAS     | IZ0BTV | DL2CHN     | EA1CP      |
| W4HOG      | YU7AU      | JA2MOG | DL5XU      | EA3CCN     |
| W4OX       | ZL3NW      | JH7XPW | DO4DXA     | HA8DZ      |
| W5AQ       |            | JJ2PIK | EA5AT      | IW3GJF     |
| W7VS       | <b>109</b> | JK1MZT | EA7QW      | JA1VLK     |
| W8MIL      | EA3GHZ     | K0MD   | FG8OJ      | JA2MNB     |
| W9RB       | EU4T       | K1EP   | G4AKY      | JE6IGP     |
| WA1S       | F8EZE      | K1XM   | G4RGK      | JG3HBO     |
| WA2MUA     | G3SVD      | K2KQ   | I5IHE      | JG5RVQ     |
| WB9EEE     | IW0HQE     | K2MK   | IT9XTP     | JH2KKW     |
| WU2M       | JA2CXF     | K4WY   | JA4EVN     | JH6PFY     |
| YL3DQ      | JA7SFD     | K6UT   | JA5EY      | JJ0NCC     |
| YO6HOY     | JE1SYN     | K8OM   | JA6OXT     | JR0EQQ     |
|            | JF2VAX     | KD9HL  | JA8JTH     | K0DEW      |
| <b>110</b> | JR1BAS     | KM8AM  | K1TZQ      | K0LB       |
| BA4MY      | K2CJ       | KN4JX  | K3SW       | K1PX       |
| DF1KG      | K2ONP      | KX2A   | K3YBN      | K4DSE      |
| DL1VDL     | K4RDU      | KZ1W   | K4MS       | K5AM       |
| EA5BYP     | K5FZ       | LU2DKT | K8LBT      | K5FUV      |
| F5BAR      | K5KA       | LZ3YY  | K8ZR       | K5ZQ       |
| G3LNS      | K5KPE      | N2DPF  | KB1HY      | K8JJC      |
| G8AJM      | K6MW       | N4MEC  | KE2R       | KK8X       |
| I2BBJ      | KA9UVY     | N6RFM  | N2RR       | KK9H       |
| IK5RUN     | KB9DAK     | N9SF   | N3DAP      | KQ3F       |
| IZ2EWR     | KE1F       | N9TF   | N6EE       | N0JZ       |
| J68HZ      | KL7RA*     | NU4Y   | N8AGU      | N2CW       |
| JA7EPO     | N1BZ       | OH4UI  | NA5Q       | N2SQW      |
| JE2UFF     | N4RF       | PA0ZH  | NE1F       | N3XM       |
| JH1VHU     | N7TY       | R5FY   | OE1CP      | N8AID      |
| K2BLA      | N8NN       | R7LA   | OH2OT      | NA5Z       |
| K3JRR      | ND4V       | RA1OHX | OK2BUZ     | NI5M       |
| K3PH       | NN4RR      | RX6DX  | OK3CQR     | NS3L       |
| K4WW       | NU4I       | S57J   | R0FA       | OE5CSP     |
| K4YJ       | NX7U       | SM6AOU | RN4AA      | OK1AYU     |
| K6MI       | PY5CC      | UX7UN  | RV6ARZ     | OK2BVG     |
| K6VKO      | RW4UU      | UZ6LWZ | SP3BQD     | S57AL      |
| KB4MRX     | RW9QA      | W2UB   | SP6AXW     | SP5JXK     |
| KC2STA     | RX3AGD     | W3NRJ  | US5CB      | UR3CRO     |
| N2CG       | TG9NX      | W4ZYT  | VE3OI      | UT7UU      |
| N3HBX      | UB5ZAL     | W7ACD  | VK3NX      | UU5WW      |
| N3IQ       | UT7KF      | W7JET  | W3KB       | V73AZ      |
| N3JB       | VU2CPL     | W8IW   | W6TDX      | VQ9SS      |
| N4KE       | W1LE       | W9NIO* | W8VK       | W1CWU      |
| N9PGG      | W5WP       | WA2ALY | W9CPV      | W2EQ       |
| NC6K       | WB5TUF     | WA8MOA | WA0RVK     | W2LE       |
| NK7C       | WN0L       | WB8BZK | WB8ART     | W2NO       |
| NY4I       | YV3AGT     | WC1M   | WS1L       | W4IR       |
| RD9M       |            | WC6DX  | XE2YWH     | W5JAY      |
| SM5BHW     | <b>108</b> | WD9EQU | YL1XZ      | W5KI       |
| SV1VS      | AA4UC      | WW1WW  |            | W8OP       |
| UA3O       | AI2Q       | ZL3RJ  |            | WA4MYO     |

|            |            |            |        |            |
|------------|------------|------------|--------|------------|
| WA6TLA     | VR2MY      | N8MZ       | I0OSI  | YO7APA     |
| WQ5W       | VY2ZM      | N9DR       | IZ0BVU |            |
| YL2GN      | W1LY       | NJ9C       | JA2GQO | <b>102</b> |
| YU3EF      | W1MRH      | NN3Q       | JA2OLJ | A6/RV6LNA  |
| <b>105</b> | W4OWY      | PA0GMM     | JA3FHL | CT4BD      |
| DF2PI      | W6FF       | RA1QX      | JA8EJO | DK3QM      |
| DF8AA      | YU1NR      | RU3UR      | JH1DGQ | DL1TRK     |
| DJ3XD      | <b>104</b> | RZ6DX      | JM2RUV | DL3DXX     |
| DJ6KH      | 9M2AX      | RZ6LB      | K0EOO  | DL3NCR     |
| DL2AYK     | AA3LX      | SM5CCE     | K2UVV  | DL4CW      |
| DL4ZAB     | AD1C       | SM7CQY     | K4LQ   | DL4KUG     |
| DL6XK      | AG4Q       | SO5AS      | K5JUC  | DL5RDI     |
| DO1CTL     | AH0U       | UA9FGJ     | K7BTW  | EA8AKN     |
| ES1GO      | CP8HD      | US5CAO     | K8CCV  | EI4DQ      |
| G3YUV      | CX3CE      | UT4EK      | K9MUG  | EI6GF      |
| HA8FW      | DK3BK      | UT7EC      | K9XJ   | F6BWO      |
| JA1BWA     | DL4FAP     | UX4UM      | KE1IU  | FM5WD      |
| JA1JAT     | DL7UPN     | UY0MM      | KJ4R   | HB9AHL     |
| JA1TAA     | E73D       | VE3VHB     | KJ7WY  | I8LWL      |
| JA6VA      | EA8ZS      | W0YBS      | KM9E   | IK4AUY     |
| JA7BME     | EI9E       | W1QA       | KQ5M   | IT9SFT     |
| JA8RRF     | F6AJA      | W3DRY      | LX1DA  | JA0HXV     |
| JA9APM     | F8GB       | W3TMZ      | N0RU   | JA8OW      |
| JF1RYU     | F8GB       | W5BK       | N1HOQ  | K0YN       |
| JO4CFV     | G3BRD      | W5CWQ      | N8HRZ  | K1PTF      |
| K1DJ       | HB9CIP     | W5GJ       | N9BBQ  | K2LP       |
| K2XF       | HK3O       | W5RF       | NU1T   | K2TK       |
| K5AV       | IK0DWN     | W5ZO       | OH3GD  | K3KG       |
| K6DJ       | IZ4MJP     | W6PH       | OK1DQT | K4AQQ      |
| K7OX       | JA1SDV     | W7DR       | OK2BQU | K4KAY      |
| K7PO       | JA2FGL     | WA0I       | OK3BRK | K4LM*      |
| K9RO       | JF1EGO     | WA3PTF     | OZ7JZ  | K5ZO       |
| KI5T       | JF6WTY     | WA9ETW     | R9GM   | K7BHM      |
| KT2E       | JK1BSM     | WW5G       | RA0FA  | K7UA       |
| LZ1JZ      | JO1WXO     | YC0LOW     | RA4HT  | K8BHZ      |
| N4JI       | K0WK       | YO2CMI     | RK3QY  | K8OQL*     |
| N4NW       | K1BG       | YO5ODE     | RU3OW  | KJ6NZ      |
| N4PL       | K2TER      | <b>103</b> | SM3CBR | KN4KL      |
| N4SC       | K3FM       | AA2VG      | SM6EHY | KW4BY      |
| N4VN       | K4KEW      | AG1I       | SM7BHH | KY6R       |
| N6NU       | K4MF       | AI3Q       | UA3PFN | LA3ANA     |
| N7DR       | K4VIG      | DJ1MM      | US2WU  | LA6UL      |
| ND3L       | K5HK       | DJ3GZ      | UT2AB  | N0ODK      |
| ON7PQ      | K6UM       | DJ7PI      | VA2ZO  | N5RZ       |
| OZ4AAL     | K7TJR      | DL2HX      | VA3IC  | OH2EA      |
| PF7M       | K9EA       | DL8YRM     | VE3EDY | OK1DTN     |
| PJ2/K8ND   | KA2BZS     | DM5TI      | VE3MFA | OK1JDX     |
| PY2DS      | KH6KG/W5   | DS3HWS     | VE3VV  | OK3CSQ     |
| R6YY       | KI0KB      | EA7SG      | W0QC   | PA7TWO     |
| RA6AF      | KW0A       | EU6MM      | W0UVC  | PV8ABC     |
| RD4WM      | LZ2XF      | EW3LB      | W1CTN  | PY2DO      |
| SM0CXU     | N3ER       | G3BDQ      | W4AVY  | R2AB       |
| UA6LCN     | N3TR       | G3OIL      | W4MZ   | R3IS       |
| UR1RWX     | N4GU       | G4AAW      | W4TMR* | RU3UN      |
| UR2RGN     | N4TTE      | G4PUQ      | W5THT  | S59DJK     |
| VE1PZ      | N6PF       | G4VGO      | W5VU   | SM6WET     |
|            | N6WM       |            | W6SZN  |            |

|            |        |            |        |         |
|------------|--------|------------|--------|---------|
| SP5MXZ     | K1YR   | VE3ARF     | JA4FSH | NG7A    |
| T77V       | K2BX   | VE3XB      | JA5DQH | NJ3I    |
| UA1AIR     | K3SEW  | VK2GR      | JA9CGW | NN4SS   |
| UA1CKC     | K5DNL  | W1FC       | JF3DRI | NV4B    |
| UA6HOF     | K5WE   | W1GF       | JS6TWW | OE5JDL  |
| UA9MR      | K6AAW  | W2SF       | K0SRL  | OK1DXD  |
| UA9UCO     | K6XJ   | W3WH       | K0XM   | OK2PAZ  |
| UW7CN      | K7AR   | W4BUE      | K1NA   | ON4ANN  |
| VE2FYR     | K7IA   | W4PM       | K1NZ   | ON7EH   |
| W0JMP      | K8BN   | W7AV       | K2CBI  | ON7GB   |
| W1AW       | K8YYY  | W7CB       | K2CYE  | ON9CC   |
| W1PV       | K9JU   | W7QC*      | K3TZV  | OT1A    |
| W2LW       | K9PG   | W8GB       | K4FT   | OZ1ZD   |
| W2TX       | KC4PX  | W9MAF      | K4KGG  | PA0INA  |
| W3EKT      | KD3UY  | W9ZCL      | K4KSY  | PA7RA   |
| W4ALF      | KE1VT  | WA3EKL     | K4QS   | R3PJN   |
| W4KK       | KE4S   | WB3HLH     | K4UQC  | R9JX    |
| W5TO       | KF7NN  | WC4H       | K7VIC  | RA3SD   |
| W7IUV      | KN6J   | WK9U       | K8BZ   | RA4LW   |
| WA0IDK     | KQ1F   | WR2G       | K8CR   | RA6XB   |
| WA1SXX     | KS4XQ  | YO2OXD     | K8CS   | RC2A    |
| WD8DSB     | LA2GV  | YO6BHN     | K8LE   | RN1A    |
| WS4Y       | LZ1XZ  | YV4DYJ     | K9NZ   | RT5A    |
| YO2IS      | N0STL  | ZS1J       | KB0EL  | RU3GF   |
|            | N2AJ   |            | KC0V   | S53MJ   |
| <b>101</b> | N5AQ   | <b>100</b> | KC4D   | S59SV   |
| AA4NU      | N8AG   | 9M6YBG     | KC4NX  | SM5AHK* |
| AC2AC      | N9JCS  | A41ZZ      | KC5LT  | SV1FJP  |
| AC5O       | NX2X   | AA4AK      | KD8BZY | SV1VJ   |
| CT1JGA     | NZ9Z*  | AB4VV      | KN9N   | SV2DSJ  |
| D44BC      | OA4TT  | AC4VM      | KP4N   | TI5CDA  |
| DH2FW      | OE3WQB | AI2S       | LA8W   | UA3AKI  |
| DK9WI      | OH3TY  | DH0GSU     | LU5OM  | UA4PAY  |
| DL1KS      | OK1PGF | DJ6OI      | LU5YF  | UA6CEY  |
| DL3ANK     | OK2BOB | DK8MM      | MM0SJH | UN2G    |
| DL5JS      | OK3EY  | DL1MEV     | N0AH   | UN6P    |
| DM3ML      | OK4MM  | DL1TPY     | N0ATQ  | UR4CW   |
| EA1WX      | ON4LG  | DU7ET      | N1GFV  | UR4LRG  |
| EU1TT      | PA4WM  | EA2AAZ     | N1KI   | UR8IDX  |
| G3ZFC      | RA3AH  | EA3ALD     | N1MD   | VE1RGB  |
| G4FJK      | RA4P   | EA8AXT     | N2CJ   | VE3OAT  |
| GM3WTA     | RA4SD  | EC5A       | N2SG   | VE7JKZ  |
| HB9NL      | RB7GG  | EI3ISB     | N2XQM  | VP2VA   |
| IK5ZUK     | RK9F   | ES5NC      | N2ZA   | VR2PX   |
| IV3GOW     | RY6M   | FM5GU      | N3AF   | W0GYH   |
| IV3KCB     | SM2DMU | G0VXE      | N4CRI  | W0MU    |
| IZ6ERS     | SM7NDX | G4CGG      | N4RWG  | W1AN    |
| JA1VVX     | SP9DH* | GM3ZSP     | N4ZR   | W1YRC   |
| JA2VMU     | SV1PL  | I2VGW      | N5QS   | W2CCC   |
| JA6TMU     | UA0FDX | IK0HFO     | N6PM   | W3BBO   |
| JE1PHH     | UG6GAW | IK4MSV     | N7TK   | W4HHN   |
| JF1RPZ     | UR5WIF | IS0/YO3RA  | N8IL   | W4OEP   |
| JH3HGH     | UR7CQ  | IT9CVO     | N8NB   | W4OV    |
| JH3PRR     | UT1CC  | IW0BYL     | N8OQ   | W6WA    |
| JH7BKN     | UT4IS  | JA1BRK     | N9ADG  | W7BA    |
| JI3KDH     | UT7HA  | JA1CPU     | NA6O   | W7DT    |
| K0LW       | VE2OJ  | JA1ILA     | NB3R   | W8CNL   |

W8FN  
W8GDQ  
WB4SON  
WB8TGY  
WK4Y\*  
YB1TJ  
YL2SM  
YO9FLD  
ZP9MCE