

## ARRL - Fred Fish, W5FF Memorial Award

The ARRL awards the Fred Fish, W5FF Memorial Award to amateurs who submit confirmations for contacts with all 488 Maidenhead grid squares in the 48 contiguous United States on 6 Meters. The following listing contains the call signs and FFMA totals as recorded at ARRL HQ today (15 Jun 2025). Awards are NOT activated automatically; participants must apply to have the Fred Fish, W5FF Memorial Award activated when the qualifying number of credits is obtained.

See the [ARRL VUCC page](#) for details.

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| <b>488</b> | W5AFY      | <b>483</b> | <b>473</b> | <b>458</b> |
| AA0MZ      | W5AJ       | AC0RA      | N4TB       | K9NW       |
| AA5AM      | W5FF       | K1USA      | NQ7R       | KG5THG     |
| AA5C       | W5KI       | W0VTT      | WB0O       | N9BCA      |
| AA7A       | W5OZI      | W5TRL      |            |            |
| AI5I       | W7GJ       | XE2CQ      | <b>472</b> | <b>456</b> |
| K0GU       | W7JW       |            | AI1K       | N4JQQ      |
| K1TOL      | W7KNT      | <b>482</b> | KB7ME      |            |
| K4PI       | W7MEM      | AD6D       | N7ZO       | <b>455</b> |
| K4XO       | W9FF       | K7BG       | WD8JJA     | K4SO       |
| K5RK       | W9JN       | KM0T       |            |            |
| K5UR       | W9RM       | KX4R       | <b>470</b> | <b>453</b> |
| K5WE       | W9XX       |            | WO7R       | K4YMQ      |
| K7CW       | WD5K       | <b>481</b> |            | W3UR       |
| K7ULS      | WQ5S       | W9VHF      | <b>467</b> |            |
| K8SIX      | WS9V       |            | AD1C       | <b>452</b> |
| K9CT       |            | <b>480</b> | N5EKO      | N5BO       |
| KA9CFD     | <b>487</b> | K5GZR      | W5EME      |            |
| KA9FOX     | K7MAC      | WB0ULX     |            | <b>451</b> |
| KD5M       | K7TM       | XE2OR      | <b>466</b> | XE2K       |
| KG5CCI     | K9YY       |            | KA0JGH     |            |
| KM0A       | N0AKC      | <b>479</b> | KB6NAN     | <b>450</b> |
| KO9A       | N7CW       | N5WS       | ND4X       | AJ4F       |
| KR7O       | N7IR       | W5WVO      | WB9CIF     | N9BX       |
| KV5W       | N9ISN      | WA7HQD     | WX7M       |            |
| N0LL       | NA6L       |            |            | <b>449</b> |
| N0LWF      |            | <b>478</b> | <b>465</b> | KF6HI      |
| N0PB       | <b>486</b> | AE5B       | WE9R       | W8TN       |
| N0TB       | K0SIX      | AF5CC      |            |            |
| N1AV       | K1TO       |            | <b>464</b> | <b>448</b> |
| N3SL       | KY7M       | <b>477</b> | KB9OWD     | W5XC       |
| N3XX       | N0KE       | K0BJ       |            |            |
| N5DG       | WD5COV     | NC6K       | <b>463</b> | <b>447</b> |
| N5OMG      |            | W9RN       | VE3EK      | K4HB       |
| N6JV       | <b>485</b> |            |            | KS7S       |
| N7NW       | K0TPP      | <b>476</b> | <b>462</b> | N4SC       |
| N9LB       | K5ND       | KC7QY      | K6ZH       |            |
| N9UM       | K9MU       | KC7V       | N6ORB      | <b>446</b> |
| ND0B       | N0POH      |            |            | K6EID      |
| W0FY       | W3IP       | <b>475</b> | <b>461</b> | KB8VAO     |
| W0JW       |            | N4WW       | NA9RB      | N4QS       |
| W0LGQ      | <b>484</b> | N5KO       |            | NE1B       |
| W3CP       | N7KA       |            | <b>459</b> | NV4B       |
| W4UDH      | W5VY       | <b>474</b> | K4MY       |            |
| W5ADD      | W5ZN       | W6XK       |            |            |

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|-----------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|
| <b>445</b><br>K7PI<br>KU7Z<br>N5NA<br>N8OC<br>NY0V              | <b>433</b><br>NA6MG<br>W3LL<br>W9WO           | <b>420</b><br>KK4MA<br>VE3LYC                 | <b>403</b><br>NH6T/W4                         | <b>387</b><br>AA1ON<br>K2TER<br>KV4T<br>N4CH                  |
| <b>444</b><br>N7BAV<br>N9PGG<br>NI0G<br>W4DR                    | <b>432</b><br>K6G XO<br>N6KK                  | <b>419</b><br>K7NN<br>W0GN<br>W5AL            | <b>402</b><br>K3FM                            | <b>386</b><br>N7IJ<br>NN4R<br>W5TFW<br>W7AH<br>WE4S           |
| <b>443</b><br>AB4IQ<br>K4XP<br>N4MM                             | <b>431</b><br>K0TLM<br>K8ZM<br>WA1EAZ         | <b>416</b><br>K4RWP<br>K7ND<br>KO4MA          | <b>401</b><br>K4CKS<br>NJ6D                   | <b>385</b><br>NK1K<br>VE6MB<br>W4WTA                          |
| <b>442</b><br>KP4AJ<br>WB7CJO                                   | <b>430</b><br>K1TEO<br>KF8MY<br>N5SYV<br>N5TJ | <b>415</b><br>K5OMC<br>K7AWB<br>W0GJ          | <b>400</b><br>W0JRP<br>W0RH<br>W3UUM          | <b>384</b><br>AB4SF<br>K1GG<br>K8ROK                          |
| <b>441</b><br>K8TB<br>KD3CQ                                     | <b>429</b><br>N4QWZ<br>WA5JCI                 | <b>414</b><br>K0DEQ<br>K7KQA                  | <b>398</b><br>K7SMA<br>N8IEZ<br>W1NG<br>W5JAY | <b>397</b><br>K5RT                                            |
| <b>440</b><br>AG9S<br>KB9DAK<br>N4TL<br>W2IRT<br>W3LPL<br>W5THT | <b>428</b><br>K9APW<br>N2NL<br>XE2X           | <b>413</b><br>WA9LFO                          | <b>396</b><br>K6VHF<br>KB8U                   | <b>382</b><br>K5PI<br>VE3YXO                                  |
| <b>439</b><br>WA9DU<br>WB8ZBT                                   | <b>427</b><br>AH0U<br>N4LR<br>NM5U            | <b>411</b><br>K9MK<br>N9EAT                   | <b>395</b><br>AA5XE<br>K0AZ<br>K5WBM<br>KF7CQ | <b>381</b><br>W3VZ                                            |
| <b>438</b><br>K1HTV<br>K3SX<br>N2QT                             | <b>426</b><br>K4ZOT<br>K8ZR<br>N5OK           | <b>410</b><br>KE7SW<br>KE8KMX<br>KI8G<br>N4HN | <b>393</b><br>K7XC<br>W4TV                    | <b>380</b><br>K7MCX<br>NE6I<br>WA5LFD                         |
| <b>436</b><br>N9FN<br>W3TC<br>WB8ART                            | <b>425</b><br>K6ML                            | <b>408</b><br>W7BA<br>WW1L                    | <b>392</b><br>AF4HX<br>N4UFO<br>W6OMF         | <b>379</b><br>KZ2I<br>N8WNA<br>W6TMD                          |
| <b>435</b><br>K9KLD<br>KF6A                                     | <b>424</b><br>N4UFP<br>N9AKR<br>W3EP          | <b>407</b><br>W4AS<br>W5CIA                   | <b>391</b><br>N1EVK<br>W4AVY                  | <b>378</b><br>AG4W<br>WR7X                                    |
| <b>434</b><br>K1SIX<br>KF0M                                     | <b>423</b><br>AJ4A                            | <b>406</b><br>AK3E<br>K6FG<br>VE2XK 6M FN07P  | <b>389</b><br>K8JH<br>NE9U<br>W5PR            | <b>376</b><br>AA5JF<br>K8GI<br>K8V FV<br>N2WK<br>N3OC<br>W7FI |
|                                                                 | <b>422</b><br>VE6WQ<br>WB5JID                 | <b>405</b><br>AA4SC<br>K3FRK<br>K5CKS         | <b>388</b><br>AE5FM<br>K0IP<br>W4WRL          | <b>375</b><br>K6QG<br>WB4OQX                                  |
|                                                                 | <b>421</b><br>K8ROX<br>WB8BPU                 | <b>404</b><br>N2ZX<br>VE4EAR                  |                                               |                                                               |

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| <b>374</b><br>AB1OC<br>KV7K<br>N6GP<br>N7DB                  | WA5OLT                                                              | <b>346</b><br>W8LMG                                                      | <b>335</b><br>K5FUV<br>K5FZ<br>K9QVB<br>KB4MRX<br>N3PS<br>W9GKA               | <b>327</b><br>K6EME<br>KJ5RC<br>N0YO<br>W2JU                                     |
| <b>373</b><br>K4SSO                                          | <b>361</b><br>K7XB<br>K8BL<br>K9NR<br>N7MB<br>N8KOL<br>NG4C<br>NI0P | <b>345</b><br>W3XY<br>XE2YWH                                             |                                                                               | <b>326</b><br>K2ZD<br>K6LMN<br>K6TDI<br>KD5XB<br>NG7M<br>VE1JBC<br>W7JLC<br>WF7T |
| <b>372</b><br>W5MO                                           | <b>360</b><br>AA4FF<br>K6UM (CN85)                                  | <b>344</b><br>AC9DX<br>K6FW<br>KB0PE<br>KG8P<br>N9XG<br>W1OW             | <b>334</b><br>K0OOK<br>K3TRM<br>N4UFO (EM95)<br>N9DR<br>WB5TOI                |                                                                                  |
| <b>371</b><br>JA7QVI<br>WA6BYA                               | <b>358</b><br>K5RLA                                                 | <b>343</b><br>AB4EJ<br>K5EK<br>N3RC                                      | <b>333</b><br>KM4HI<br>KN4NN<br>N0IGZ<br>N6KZ<br>W3GQ                         | <b>325</b><br>WA2AEY<br>WB4KTF                                                   |
| <b>370</b><br>K5TN<br>KN4SM<br>KS4YT<br>N3MK<br>NT0V<br>NT9E | <b>357</b><br>K4LVV                                                 | <b>341</b><br>K5XI<br>KB1EFS<br>KD7DCR<br>NX7U<br>WA7YAZ                 | <b>332</b><br>AA7UN<br>N4JDB<br>N7KDT<br>VA3IKE<br>W9GM                       | <b>324</b><br>HC2FG<br>K9SH<br>KU4A<br>N2BJ<br>VE3TMG                            |
| <b>369</b><br>KF8UN<br>N2DPF                                 | <b>356</b><br>NY1V                                                  | <b>340</b><br>KE4TH<br>N0AN                                              | <b>331</b><br>K8WDA<br>KC0UDO<br>N4MW<br>VE7BV                                | <b>323</b><br>N8II<br>W4MAY<br>W8KEN                                             |
| <b>368</b><br>KB0V<br>W5RCI<br>W6GMT                         | <b>355</b><br>AB9BH                                                 | <b>339</b><br>KE4BKL<br>NK0S<br>VA7FC<br>W5VAS                           | <b>330</b><br>KB8MBC<br>KG6AY<br>W8PI                                         | <b>322</b><br>VA6SZ                                                              |
| <b>367</b><br>AA4ZZ<br>KC4HW<br>KI0E<br>KR4BD<br>W7YAQ       | <b>353</b><br>AF2K<br>K0CS<br>K8EB                                  | <b>338</b><br>VE3SXE<br>WA5KBH                                           |                                                                               | <b>321</b><br>NC7B<br>NS4C<br>W9VA                                               |
| <b>366</b><br>KI7JA                                          | <b>352</b><br>NZ3M<br>VE3DS<br>W0KKK<br>W1DYJ<br>WA9PWP<br>XE2ML    | <b>337</b><br>K0DD<br>K8ZES<br>NU6S<br>W9EWZ<br>WA5RT<br>WW0E            | <b>329</b><br>AA1QD<br>N2JJ<br>N8HRZ<br>W2OR<br>W8WG<br>W9DCT<br>W9XA<br>WX4G | <b>320</b><br>K0VG<br>N4DW                                                       |
| <b>365</b><br>K4JJW<br>KG7CW<br>WB4EVH                       | <b>351</b><br>AA4FL<br>K5DTC                                        |                                                                          |                                                                               | <b>319</b><br>N7US<br>W4ER                                                       |
| <b>364</b><br>AB5EB<br>N6QQ                                  | <b>350</b><br>N6VI<br>N8YO                                          | <b>336</b><br>FG8OJ<br>K5KDX<br>K7BV<br>K9QVB/9<br>VA2WA<br>W8OP<br>WO9S | <b>328</b><br>K6ME<br>N5PT<br>W2CNS<br>WB3LHD                                 | <b>318</b><br>N3ALN<br>W4HY                                                      |
| <b>363</b><br>W4NH                                           | <b>349</b><br>KA0BAD                                                |                                                                          |                                                                               | <b>317</b><br>KA8SYV<br>W1SKU<br>WA7PDC<br>WO2T                                  |
| <b>362</b><br>W1JR                                           | <b>348</b><br>AD5A                                                  |                                                                          |                                                                               |                                                                                  |
|                                                              | <b>347</b><br>KT8O                                                  |                                                                          |                                                                               |                                                                                  |

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| <b>316</b><br>K3FN<br>KA0ABA<br>N1KDO<br>W4UCK<br>W9BWR                | XE1AO                                                                            | N9LF                                                                             | N8CGY<br>WA8ZID                                                          | PV8DX                                                                           |
|                                                                        | <b>305</b><br>K6UM (CM88)<br>KF2T<br>KT1J<br>WA9M                                | <b>296</b><br>K4XR<br>K6YUI<br>KC7RW                                             | <b>285</b><br>K5CZD<br>K9UO<br>WA4HFN                                    | <b>276</b><br>K2CS<br>K5TWJ<br>K7TAB<br>W9OO                                    |
| <b>315</b><br>K5VH<br>NY2NY                                            | <b>304</b><br>K6IPF<br>W4FC<br>WA0GUD                                            | <b>295</b><br>JG1TSG<br>KE4P<br>N7NT<br>W2HRO                                    | <b>284</b><br>AB0RX<br>K0KP<br>K4DET<br>KX7L<br>NJ2F (EL96)              | <b>275</b><br>K1MAA<br>K2NJ<br>N4GG<br>W0FK                                     |
| <b>314</b><br>KU4XO                                                    | <b>303</b><br>EA8DBM<br>K8TGC<br>K8TL<br>N7LAN                                   | <b>294</b><br>K6JSV                                                              | <b>283</b><br>WA0FQK<br>WB0CQO                                           | <b>274</b><br>KB1DMX<br>N8LRG                                                   |
| <b>313</b><br>K0TC<br>N2ZZ<br>N6NR<br>NF4A<br>W4GLV<br>W5RKN<br>WA1NLG | <b>302</b><br>KB2TGU<br>N3KN<br>W3TI                                             | <b>293</b><br>K3AX<br>K4KJZ<br>KL7HBK<br>N4JJ<br>N4MI<br>W2GKR<br>W4VC<br>WA2IIE | <b>282</b><br>AA0ZP<br>K5TA<br>KE8Y<br>N0GZ<br>N8JCM<br>W4WM             | <b>273</b><br>K2BLA<br>KM4H<br>KV1J                                             |
| <b>312</b><br>AF6O<br>KA2GOJ                                           | <b>301</b><br>AK0MR<br>KF9UG<br>N0HJZ<br>W7IB<br>W9OBG<br>WB0TVY                 | <b>292</b><br>KJ6P<br>W1SSN                                                      | <b>281</b><br>K4OY<br>NL7CO<br>W2YE                                      | <b>272</b><br>K0PG                                                              |
| <b>311</b><br>AC9S<br>KM3T<br>KS4XQ<br>W2BZY<br>W5DB                   | <b>300</b><br>AA4V<br>K0PHP<br>K0SRL<br>KB6VFC<br>N1RR<br>WA2BAH<br>WX0Z<br>WX2S | <b>291</b><br>K1ST<br>KS4S<br>W1WHL<br>W2CCC                                     | <b>280</b><br>K2UU<br>N0KV<br>NM5Z                                       | <b>271</b><br>K7NII<br>KB7FUV<br>KM3V<br>N9JR<br>W3HHN                          |
| <b>310</b><br>AA8SW<br>N1NK<br>NJ7G<br>W9KVR<br>WO4DX                  |                                                                                  | <b>290</b><br>JE1BMJ<br>W3HDH<br>WA8EFK                                          | <b>279</b><br>AA8MA<br>N3JPU<br>W0VHF (EL87)<br>W8GJ<br>WA4NVM<br>XE1FAS | <b>270</b><br>K4SPD<br>KC9FQD<br>KV7N<br>N2LIV<br>W4QK<br>W5DNT<br>W7JY<br>WZ9B |
| <b>309</b><br>AA4LR<br>VE3XN                                           | <b>299</b><br>VE6WK<br>W1LE<br>W5SUM<br>W8UV<br>WB5GVY                           | <b>289</b><br>K1GJQ<br>K4MM<br>K9FA<br>N5BCA<br>NQ7G<br>W4LTJ                    |                                                                          | <b>269</b><br>K2IE<br>K3ZO<br>KD5R<br>N5EPA<br>N5WD<br>VA2CY                    |
| <b>307</b><br>KE5K<br>NA5Z<br>W3ATV<br>W9RPM                           | <b>298</b><br>AG1A<br>KD4WSC<br>N4IQ                                             | <b>288</b><br>K1NU<br>N6AR<br>W1DU<br>W4HLR                                      | <b>278</b><br>AA9D<br>AJ4W<br>K3JT<br>N0LNO<br>N8BJQ<br>NN1N             | <b>268</b><br>K6OJ<br>N9ZTS<br>W0KAN                                            |
| <b>306</b><br>K4QE<br>K6RO<br>N0LD<br>WB0OQV<br>WV9L                   | <b>297</b><br>DK8NE<br>N8YQX                                                     | <b>287</b><br>K8DP                                                               | <b>277</b><br>AC7JM<br>JR1LZK<br>NS4T                                    |                                                                                 |

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| <b>267</b><br>KG6EG<br>KX9N<br>N2AMC<br>N7UVH<br>N8EHW<br>W4FSO<br>W5WP<br>W9DRB | NS7K<br>NY1E<br>VE6BMX<br>WA4YA                                                    | HC1BI<br>K1NJ<br>KG7NV<br>NN4SS                                                           | <b>241</b><br>N6NU<br>W5LO                                                           | W9TD<br>XE1L                                                                     |
| <b>266</b><br>K1OA<br>K1WVX<br>TG9AJR<br>WB8EJN                                  | <b>258</b><br><br>K1BD<br>K2HAT<br>NA2NY<br>VE3MSC<br>WB7ECS                       | <b>250</b><br>AA9LC<br>NW6R                                                               | <b>240</b><br>AB5GU<br>KG5EIU<br>KI0HA<br>KK4ZUU<br>KO6LU<br>VA3HP<br>W1VT<br>WA2VJL | <b>232</b><br>AI9L<br>K5FO<br>N0FJP<br>N9NJY<br>W0PPA                            |
| <b>265</b><br>N5KS<br>W7CT<br>WA8MCD                                             | <b>257</b><br>K0CCM<br>K2KA<br>K5QE<br>KD4MYE<br>N5DTT<br>PY2XB<br>WA2HFI/O        | <b>249</b><br>CT1IUA<br>K8AO<br>KQ5U<br>N1GC                                              | <b>239</b><br>KF4LVF<br>W6RW<br>W9YOY/M<br>WA3SEE<br>WB1FLD                          | <b>231</b><br>K4MIJ<br>K5VR<br>K6HEW<br>KF6GYM<br>W9XT                           |
| <b>264</b><br>AC8L<br>K4JAF<br>N0TK<br>NF1O                                      | <b>256</b><br>K3WA<br>N8ZJN<br>W9TA<br>XE1YY                                       | <b>248</b><br>K1ZZ<br>W6VFA                                                               | <b>238</b><br>AA3GM<br>AE4WG<br>JP1LRT<br>MD0CCE                                     | <b>230</b><br>K1ZE<br>KO4MM<br>VA3XJ<br>WB0WAO/8                                 |
| <b>263</b><br>AK4PR<br>K3VAT<br>K9AAA<br>WB7QBS                                  | <b>255</b><br>JM1IGJ<br>K8MVZ<br>KG4JPL<br>W0NOZ<br>WA8KNE                         | <b>246</b><br>JA1UAV<br>K0DAS<br>KK8X<br>N5TIT<br>VE6TA (DO33)<br>W4FRA<br>WI7P           | <b>237</b><br>K3KO                                                                   | <b>229</b><br>K6RG<br>KB9RUG<br>KD5IKG<br>KE4UW<br>N4NX<br>NN5DX                 |
| <b>262</b><br>K3CWH<br>KD8JSP<br>N4ST<br>ND4DX<br>WA0KBZ                         | <b>254</b><br>KF8QL<br>N7QOZ<br>VE3OTL<br>WD5ITW                                   | <b>245</b><br>N1IA<br>N3XF<br>VA3CW                                                       | <b>236</b><br>K0SU<br>K4NK<br>KB1HY<br>KL0S<br>N3FTI<br>N9ATD<br>W5AJX               | <b>228</b><br>K5RUS<br>K7HSJ<br>KF2ZQ<br>N8AIA<br>W5HEZ                          |
| <b>261</b><br>AF2F<br>K3TWK<br>KB8UUZ<br>N3EW                                    | <b>253</b><br>KG4ERR<br>N2XQM                                                      | <b>244</b><br>AA9RR<br>K8DV<br>N3AIU (FM08)<br>N4JRY<br>VA3ZV<br>VE3VHB<br>W0VD<br>WD4IXD | <b>235</b><br>ND0C<br>NN9X<br>VO1GO<br>WB6RJH<br>WT2P<br>WZ9W                        | <b>227</b><br>K8ZT<br>K9TF<br>KS9A<br>W4KXY<br>W5LUA<br>XE1GLL                   |
| <b>260</b><br>K6JAD<br>N6HC<br>W0PR<br>W3SW<br>XE1YD                             | <b>252</b><br>AB5A<br>CT1EEB<br>F4BKV<br>K1ACL<br>K3NK<br>NN4RR<br>VE6NTT<br>VE6SH | <b>243</b><br>JA1QJI<br>K3TC<br>W4EJ<br>YV1DIG                                            | <b>234</b><br>KE6FCT                                                                 | <b>226</b><br>AF5WN<br>GD0TEP<br>JM1SZY<br>N7CNH<br>N8UR<br>NM5S<br>W0VX<br>WQ6Q |
| <b>259</b><br>KD4ADC<br>KG6I<br>KN5O                                             | <b>251</b><br>AD5JK                                                                | <b>242</b><br>K3WW<br>KA3TCC                                                              | <b>233</b><br>K1AFC<br>N3AIU (DM45)<br>N9NJS<br>VE7VZ<br>W3DF<br>W8PAT               |                                                                                  |

|                                                                             |                                                                            |                                                                                                  |                                                                  |                                                                                          |
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| <b>225</b><br>AC9O<br>K9QJ<br>KX9X (EN50)<br>N2WSY<br>N4SV<br>W8AKS<br>WN6W | ND4V<br>W4DEE                                                              | XE2N                                                                                             | WA1MKE<br>WA9ASZ                                                 | <b>192</b><br>N1LF<br>N2NB<br>N3CAL<br>N3NR<br>N4LXB<br>N4TV<br>W6MTR<br>W8FN            |
| <b>224</b><br>IT9IPQ<br>JA8ISU<br>K9MQ                                      | <b>216</b><br>K7RB<br>N0IS<br>NE1F<br>W5RWF                                | <b>208</b><br>AI2N<br>CO8DM<br>KD5HIO<br>PV8ABC                                                  | <b>200</b><br>4A2MAX<br>K4YJ<br>N5AO<br>N9AG<br>VA3VU<br>W1AW    | <b>191</b><br>K0ITC<br>K9CS<br>KK6OH<br>N9AMW<br>WA2BKN<br>WA5CAM<br>WD4JHD              |
| <b>223</b><br>K7UA<br>NI3K<br>NJ7A                                          | <b>215</b><br>AL7OC<br>K2SX<br>KI5FJ<br>N2YU<br>N5PA<br>N6KW               | <b>207</b><br>N1BCL<br>N8NJA                                                                     | <b>199</b><br>K4GHS<br>N3KFV<br>NJ8J<br>W4OEP<br>WB0YEA          | <b>190</b><br>K2WJ<br>K5DB<br>K5ER<br>KC2DLD<br>N5SMQ<br>N9UA<br>W1ATV<br>W2OO<br>WB0DBS |
| <b>222</b><br>K0YY<br>K2TV<br>K3AJ<br>KA1LMR<br>KD4K<br>WA2BOT              | <b>214</b><br>KB9PJL<br>PV8AZ<br>VE3SYK<br>WA7AJ                           | <b>206</b><br>AB0CT<br>AK4Y<br>CT3MD<br>K9YC (EN61)<br>KB0LYL<br>NA5Q<br>W0BNE<br>W4EJG<br>XE1J  | <b>198</b><br>AC8TO<br>JR2HCB<br>N0UK<br>N7EPD<br>NX0I<br>WA7KYM | <b>189</b><br>KC0MEA<br>W3SZ<br>WA5VKS                                                   |
| <b>221</b><br>K5WMH<br>K6CQR<br>N0PSJ<br>N4ION<br>N5UWY<br>W4IFI<br>W5JMW   | <b>213</b><br>K3DFL<br>KI6X<br>W0NBC<br>W8RD                               | <b>205</b><br>AF4OD<br>K8SD<br>KE4HOA<br>N5ITO<br>N9ATF<br>W8QID                                 | <b>197</b><br>K3EGE<br>N4BAF<br>W3TW<br>W5CTV                    | <b>188</b><br>AD7KI<br>KD4HLG<br>W4AZR<br>WA7VHF<br>WU9Q<br>WX9M                         |
| <b>220</b><br>K7BTW<br>N7XCZ                                                | <b>212</b><br>AB5C<br>JF8QNF<br>KF7NN<br>N2OA                              | <b>203</b><br>K0VSV<br>K5HYT<br>K5LOW<br>N0HF<br>N8SYF<br>NR0Q<br>W1RM<br>W7YA<br>W9GFB<br>W9VOB | <b>196</b><br>K0AIZ<br>K0NR<br>N5DUW<br>W2AMR<br>XE2ED<br>XE2W   | <b>187</b><br>K3EA<br>KD3HN<br>KQ0J                                                      |
| <b>219</b><br>K2RKJ<br>KE5RV<br>W6DPD<br>W7ZSL<br>WB2WIH (FN20)             | <b>211</b><br>JR3REX<br>K9FOH<br>NE8S<br>VE3SMA<br>W2ZDP<br>W5HNC<br>W6AER | <b>202</b><br>K1BZ<br>K5GJR<br>WC7X<br>WF8Z<br>WQ5W                                              | <b>195</b><br>AA4W<br>JA7MSQ<br>K6VDP<br>KC0VDY<br>KG6WIK        | <b>186</b><br>DJ5FI<br>K6ZZ<br>K8PT<br>K9SG<br>KN4PPD<br>KN7K<br>N0XLR<br>N6ZE           |
| <b>218</b><br>K1XH<br>K4IJQ<br>K8YC<br>KB8KVJ<br>NA5C                       | <b>210</b><br>K3MSB<br>K9YC<br>KL7NO<br>N1SV<br>N1TQ<br>N6UK<br>WQ9T       | <b>201</b><br>AA7WB<br>KC5FP<br>KO9V<br>KR0I<br>NN0K<br>NR2C                                     | <b>194</b><br>K2MRK<br>N3FA<br>N9NFT<br>WF1H<br>WK8A             |                                                                                          |
| <b>217</b><br>K3HPA<br>KK0DX                                                | <b>209</b><br>AA4IB<br>W5WGF<br>WA4NFO                                     |                                                                                                  | <b>193</b><br>K7PT<br>K9AB                                       |                                                                                          |

|                                                                                                    |                                                                                                                |                                                                                      |                                                                                           |                                                                                                                              |
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| <b>185</b><br>AD6W<br>KD5BQT<br>KU4UC<br>NA2R<br>PY5CC<br>W3OU<br>W5BPT                            | VA3DPB<br>W8LHP<br>WA4QMQ                                                                                      | <b>172</b><br>AB9KZ<br>K5ZED<br>KI4PKW<br>KJ6HI<br>VE2PN<br>W4ABC                    | VA3WEB<br>WB4KXS                                                                          | <b>157</b><br>K4FX<br>KB8GC<br>KC2WUF<br>WA7NB                                                                               |
| <b>184</b><br>AF5Q<br>K0DEW<br>KR4M<br>N1IBM<br>N4BG                                               | <b>178</b><br>KA2AYR<br>KB0EO<br>KB1RZA<br>KG5RJ<br>KK8MM<br>N1ZUK<br>NQ2O<br>VE3NRT<br>W0ZY<br>W1MAD<br>WY7FD | <b>171</b><br>AA4PB<br>HP2AT<br>KC5GSK<br>KC5YCH<br>KI4TZ<br>NS3L<br>W1PX<br>WA2KBZ  | <b>165</b><br>K4DXT<br>KD5HPT<br>N1JFU<br>W0RIC                                           | <b>156</b><br>K2KJ<br>N3RN<br>N9KO<br>VE7V DX                                                                                |
| <b>183</b><br>K5RQ<br>N0UBL<br>W2UDT                                                               | <b>177</b><br>AG4ZE<br>K2QQ<br>KI4BWW<br>SM7FJE<br>W4HFZ<br>W5ZG<br>WA8UEG                                     | <b>170</b><br>K9TVG<br>N4GBK<br>N8CN<br>NA2U<br>W4IHI<br>W4JKC<br>WK3V               | <b>163</b><br>K2JF<br>K2YSY<br>N5XZ                                                       | <b>155</b><br>AE4M<br>K3TD<br>K6XN<br>N7AU<br>N9OBE<br>NY4I<br>TG9ANF<br>VA3NQ<br>WV8DX                                      |
| <b>182</b><br>4O3A<br>AJ6T<br>DF3CB<br>FP/KV1J<br>K5GMX<br>K8WK<br>XE1CL                           | <b>176</b><br>AD5ZA<br>EA5BY<br>K0DI<br>KX9X<br>N5QGH<br>NP4BM<br>W5AFD<br>WA5IPS<br>WW2R                      | <b>169</b><br>K6XC<br>KD5OMJ<br>N2BEG<br>N5XES<br>N7PHY<br>VE3HHT<br>W8KNO<br>WA3DRC | <b>162</b><br>AF4GK<br>K0QB<br>KA1R<br>KD4TDI<br>N5SIX<br>W9JJB<br>W9VS<br>WA1Z<br>WB0WAO | <b>154</b><br>AE4NT<br>KB9VMW<br>KD2NF<br>W3ZQN                                                                              |
| <b>181</b><br>AB9FN<br>K4CMS<br>K5HDE<br>KB8YKR<br>N3XJX<br>N4DTF<br>NY0A<br>W4RBO<br>W9BS<br>WJ1B | <b>175</b><br>K1DT<br>PV8BR                                                                                    | <b>168</b><br>KG5ZMQ<br>W8WEJ                                                        | <b>161</b><br>K4EA<br>KB3CWQ<br>N2YBB<br>V44KAI<br>VE3LC<br>W4HOG                         | <b>153</b><br>AA4NC<br>AB4GG<br>K7AD<br>K7LOL<br>K7ZD<br>KW0A<br>N1OFZ<br>N2ADV<br>N6DHZ<br>W3DQS<br>W5FI<br>W9ILY<br>WB5ZAM |
| <b>180</b><br>K0OST<br>K4LYN<br>KC1MMC<br>N1RK<br>N6PEQ<br>N6VH<br>WA5RR                           | <b>174</b><br>K3MD<br>K6WRL<br>KC6ZWT<br>KG7P<br>KU0A<br>N1MGO<br>NA2NY (ex-NA1VT)<br>NA6O<br>W3SO<br>WA2PNI   | <b>167</b><br>K4MQG<br>KB1YNT<br>KE5EP<br>LU4FW<br>N0NHW<br>NO0T<br>TG9ADQ<br>W1BAT  | <b>160</b><br>JA1AFR<br>K5IQ                                                              | <b>152</b><br>AA6I<br>N1NUM<br>N2WM<br>NU1T<br>UT7QF<br>W6IA<br>WO4G                                                         |
| <b>179</b><br>K1EP<br>KU4WD<br>N0LIE<br>N0MMA<br>NH7RO                                             | <b>173</b><br>K2ZZ<br>K5YPV<br>KE4SCY                                                                          | <b>166</b><br>JA1OVD<br>KC2GHT<br>KO4PRE<br>N5VU<br>NC4RY                            | <b>159</b><br>K4MZ<br>NS7B<br>W1EME<br>W4TTO<br>WB8NUT                                    | <b>151</b><br>KO0Z<br>W1ZT<br>W2DXE                                                                                          |

|                                                                                                            |                                                                                                                                                                                |                                                                                                                     |                                                                                                                                                              |                                                                                                                                                    |
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| <b>150</b><br>N9LAH<br>VE3OAT<br>W7APM                                                                     | N9DI<br>W5MPC<br>WO7GI                                                                                                                                                         | <b>139</b><br>IZ8FFA<br>KC7JPC<br>KU0G<br>N3FX<br>NA2AA<br>NZ6N<br>W2PD<br>W4OV<br>WB2JIL<br>WY0V                   | C6ABB<br>GM4UYE<br>HK3W<br>KE5FXE<br>N3AIU (DN70)<br>N8GOU<br>W4TKI<br>WA3WZR                                                                                | JA3LZS<br>JF4VZT<br>K0CAO<br>K0KD<br>K5QWO<br>KC8KSK<br>KF4NEF<br>KM5LY<br>KM5SC<br>N9WBR                                                          |
| <b>149</b><br>AB6CF<br>K4SAN<br>KK9H<br>WB4VHF                                                             | <b>143</b><br>K0KVR<br>K6JBH<br>K9QFR<br>KB8RJS<br>N8URE (FM19)<br>NA1VT<br>W0HNM<br>W0UHL<br>WB0MMC<br>WM5H                                                                   | <b>138</b><br>AC0XY<br>AI6O<br>JA6RJK<br>KD7WPJ<br>KE0A<br>KE3D<br>KE8RO<br>KQ4KX<br>N3XH                           | <b>133</b><br>KA5ETS<br>KC1RET<br>KE1VT<br>KM8V<br>N7T<br>W0RT<br>W4GE<br>WW7Q<br>XE2O                                                                       | <b>128</b><br>KC7QAG<br>KJ6SDF<br>KN4DMN<br>N1SFE<br>W0WT<br>W5ZO<br>W8FR<br>WB2WEO                                                                |
| <b>148</b><br>AC0DQ<br>AG0A<br>G0OIL<br>K0RU<br>K7IU<br>KB2YSI<br>N0TM<br>N5ZBI<br>W6VNIQ (CM88)<br>WB6RAB | <b>142</b><br>N2ZA<br>N5RMS<br>NA2X<br>NC4VA<br>W5SWV<br>WA5TKU<br>WS4V                                                                                                        | <b>137</b><br>N1SZ<br>N5JGK<br>SM7AED                                                                               | <b>132</b><br>AB3CV<br>IC8TEM<br>K5VG<br>KW4G<br>N4PPH<br>N7TP<br>N8IK<br>NE1I<br>VE3TM<br>WN6K                                                              | <b>127</b><br>AA9RK<br>JR2LJO<br>K3GYK<br>K7UV<br>K8AC<br>K8OS<br>KB3OZC<br>KB9TLV<br>KC0RQH<br>N6PM<br>N6UTC<br>NO8D<br>VE2JWH<br>W1FLD<br>WA6BIL |
| <b>147</b><br>AF6AV<br>IZ1LBG<br>K6PSP<br>KC1BUF<br>VE3CX<br>W4YCC<br>W5WOX<br>WA0VPJ<br>WA3YGQ            | <b>141</b><br>K4AR<br>K9ATX<br>KT8TD<br>N9FIV<br>W4FS<br>W4POT<br>W6ZI<br>WB9WHQ<br>WR7AY                                                                                      | <b>136</b><br>I0WTD<br>K0XXX<br>K4SX<br>KC5LK<br>KC9AXZ<br>KJ5RM<br>KV1E<br>NO1R<br>W2JCN<br>W4AVV<br>W7UV<br>XE2JS | <b>131</b><br>K3NAT<br>KG9R<br>N2CJ                                                                                                                          |                                                                                                                                                    |
| <b>146</b><br>K2GW<br>K8YTO<br>KB0YH<br>KB5ZEA<br>KC2TN<br>KM5TY<br>N4HID<br>VA2RC<br>VE1VOX               | <b>140</b><br>AC5DK<br>BA4SI<br>CO2WF<br>CT1BWU<br>K1UO<br>K7SAM<br>KC0MEZ<br>KC8TMU<br>KJ4KVC<br>N1EN<br>N3VOP<br>NJ0U<br>OE6IMD<br>PV8AJ<br>VE3KY<br>W4TUN<br>W6DQ<br>WA4KXY | <b>135</b><br>CU3EQ<br>K4MWB<br>K8ZIZ<br>LY3W<br>N4DB<br>N8XE<br>W6BXQ<br>WB8BZK<br>WW2DX<br>XE1H                   | <b>130</b><br>AB0X<br>AK8CW<br>JR1BAS<br>K0GUR<br>K4JKB<br>KC4NX<br>KE8RJU<br>NG9R<br>VE1DX<br>VE2TZT<br>W0PHX<br>W2LES<br>W3FEY<br>WA2SEI<br>WB4YDL<br>WW5W | <b>126</b><br>KJ7G<br>N0BDS<br>N7DGI<br>WB4HUC<br>YL2AO                                                                                            |
| <b>145</b><br>KD7YZ<br>V31MD<br>VA3TTX<br>WA4JA                                                            |                                                                                                                                                                                |                                                                                                                     |                                                                                                                                                              | <b>125</b><br>AA7DK<br>K3PU<br>KC5DRI<br>NT7C<br>W2AJM<br>W3UQH<br>W4DFU<br>WA6POZ<br>WB4OMM<br>WE1P                                               |
| <b>144</b><br>K0TLG<br>K5TDW<br>K6JRA<br>K8MN<br>K8WU                                                      |                                                                                                                                                                                | <b>134</b><br>AB1NS<br>AB4GE                                                                                        | <b>129</b><br>8P6ET                                                                                                                                          |                                                                                                                                                    |

|                                                                                                                                                  |                                                                                                                                                                  |                                                                                                                                                  |                                                                                                                                                                                                          |                                                                                                                                                                                                                      |
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| <b>124</b><br>K0DLW<br>K8VA<br>KB0HH (EM06)<br>KD5FTD<br>KM1C<br>KT5MR<br>N0SL<br>N9AZZ<br>PV8AAS<br>W0PE<br>W1TAM<br>W7YM<br>W9CDL              | <b>120</b><br>EA1YO<br>K2CYE<br>K4CGY<br>KD0R<br>KD4MZM<br>KD5BRF<br>KE4SCY (FM06)<br>N3YPJ<br>VE1JC<br>VE3XK<br>WA6RAY<br>WD4OHD                                | NU6V<br>W6WE<br>WA1TBV<br>XE2PXN                                                                                                                 | <b>112</b><br>K2MLS<br>K3GD<br>K5WTA<br>KA7T<br>N5HMH<br>W1TR<br>W5DQ<br>W6OAT<br>W7IV<br>W9PN<br>WA8TWM<br>WX3P<br>XE1GK                                                                                | <b>108</b><br>CF3VRQ<br>HB9BZA<br>JA9IPF<br>K5OPB<br>N3MWQ<br>N5DD<br>VE3SUB<br>VE7IG<br>VY2RU<br>W4AMP<br>W4CRN<br>W5AAJ<br>W8EH<br>W9VNE<br>XE1R                                                                   |
| <b>123</b><br>AC7AF<br>K9SM<br>KB0GT<br>KB0STN<br>KG6DHQ<br>VE3TG<br>W1HS<br>W3SE<br>W4PRZ<br>W5EWF<br>W7MHW<br>W8BI<br>W8KHP<br>WA8WV<br>WB2RVX | <b>119</b><br>AE5AU<br>K0AWU<br>K1ZN<br>K2SQS<br>K4MSG<br>K7JIZ<br>KF7PCL<br>KP3V<br>KT0P<br>KW7N<br>N4UPX<br>W0QC<br>W4SW<br>W5DM<br>W7QQ<br>WI4T<br>WM9M       | <b>115</b><br>K9MMS<br>KE6TVM<br>KF0QS<br>KF9AF<br>KM5FA<br>N7VGO<br>VK9DX<br>WA3BZT<br>WC7V                                                     | <b>111</b><br>N0SLT<br>PC3T<br>W8GBH<br>WZ8P                                                                                                                                                             | <b>107</b><br>JA3EGE<br>K5UIC<br>KF7PG<br>KI9A<br>KK4LUM<br>N3TTT<br>N9OI<br>NF0T<br>US0KW<br>W2ODH<br>W2TTT<br>WB4PPW                                                                                               |
| <b>122</b><br>K7AED<br>K7OGW<br>KA9JAC<br>KB4UF<br>KB5WFE<br>KC5UGX<br>N5HYV<br>VE6PY<br>VE7JAC<br>WD0GTY                                        | <b>118</b><br>J68AS<br>K4AZV<br>KA4LBD<br>KF6MXK<br>KI7BP<br>KT8X<br>KW4BY<br>N1QDQ<br>N3JNX<br>N5EIL<br>NZ1I<br>TF3JB<br>W2AC / WB2ABK<br>W2AC/WB2ABK<br>WB2KSK | <b>114</b><br>AC8HU<br>K2RET<br>K3RTU<br>K9AAN<br>KC4GCK<br>KG9Z<br>NF8M<br>VE1WOW<br>VE3IRR<br>W2JLK<br>W2ZQ<br>W4ALF<br>W4UFO<br>WO2C<br>WX4US | <b>110</b><br>K5KR<br>K7LD<br>KD5J<br>KI0F<br>KP4JRS<br>KQ4LA<br>KX5U<br>N5TIF<br>N5YM<br>W7JET<br>W7UP                                                                                                  | <b>106</b><br>EA4DEI<br>K0MEI<br>K5BJW<br>K7BWH<br>K7JE<br>KB0TIJ<br>KC7ICM<br>KE5JXC<br>KJ6MBW<br>KK2DOG<br>N0RQ<br>N1USB<br>N2IPH<br>N4CE<br>N5FPW<br>N5YHF<br>N8HM<br>N9XMU<br>VA3OKG<br>VE3AJY<br>WB6VYH<br>WQ9F |
| <b>121</b><br>AE1P<br>K0MFI<br>K4HBI<br>KB2WAL<br>KB5MH<br>KE4JFS<br>NE0P/9<br>UR0MC<br>W8DN<br>WB9TFH                                           | <b>117</b><br>AB5J<br>K4WS<br>N4USG<br>N5JEH*<br>N5LPT<br>NA7L                                                                                                   | <b>113</b><br>AB4PM<br>AD5MD<br>K3DQB<br>KD4BPZ<br>KD6VCD<br>KM5OL<br>N3JDQ<br>N4YCI<br>N5YK<br>W0BM<br>W8MSP<br>W8VW<br>WD0ENC                  | <b>109</b><br>AK6ZZ<br>G4BWP<br>IW1ARB<br>K2DSW<br>K2JGL<br>K2OO<br>K5DNL<br>K9GY<br>KE6GLA<br>KJ6CA<br>KZ7N<br>N8TMW<br>N9TTX<br>VE3AAQ<br>W0YJT<br>W1OP<br>W4ZRZ<br>W5MPC/1<br>W7RJR<br>WB6YIY<br>WB9W | <b>105</b><br>AC4Q                                                                                                                                                                                                   |

|            |            |            |             |              |
|------------|------------|------------|-------------|--------------|
| K4SJA      | KB2SGX     | N4AOE      | K9ZZE       | W6TE         |
| K9MAL      | KC9FFV     | N8VEA      | KA0ZEE      | WA2FGK       |
| KB3JGS     | KF0AIJ     | N9DVS      | KC2IEB      | WA3TLT       |
| KC0JYT     | KF4DVG     | ON9CMR/W0  | KC6X        | WB1GQR       |
| KC4KK      | KR4NO      | VA2LGQ     | KD4MWO      | WB2YDS       |
| KF4DGS     | N0YXE      | W4LLP      | KD6RUH      | WD0E         |
| KJ7TH      | N1JIF      | W5KBD      | KR4UA       | WH6LR        |
| N4NQY      | VE7DXG     | W7ISG      | M5MYH       | WT5H         |
| N5SAN      | W0TF       | W9JJ       | N4FV        | WV5Y         |
| N7YY       | W3LEO      | WB8IMY     | N5OHL       |              |
| NE9O       | W6IT       | WD5IYT     | N7HRT       | <b>97</b>    |
| PU4JOE     | W6XU       |            | N7JPF       | AB8M         |
| VE3VRQ     |            | <b>100</b> | N7TE        | AJ9C         |
| W8MIL      | <b>102</b> | AC0FT      | N8GHZ       | K0HB         |
| W9RVG      | AA9MY      | AI2S       | N8YV        | K0JQZ        |
| WA4MYO     | AB8JH      | AI9U       | N9MKC       | K0QEI        |
|            | AD6KH      | K2UA       | NB5R        | K0SH         |
| <b>104</b> | K0HAQ      | K4UQC      | NH6CJ       | K0YQ         |
| AB9YC      | K3HW       | K5GM       | NI5W        | K3HZO (FN20) |
| AC5K       | K9AM       | K5KV       | NS2P        | K4GTR        |
| AC5RN      | K9OHI      | K8IJ       | VE2HAY      | K4JQU        |
| AC9QR      | KA3ZLS     | K9CC       | W2HOG       | K8XF         |
| IK4DRY     | KB8CR      | KB9ZLB     | W2VU        | KA2BSK       |
| K5PPP      | KC6WFS     | KC2HLI     | W5JLC       | KA7EII       |
| KB9RNO     | KC8DMN     | KC8CC      | W6TJU       | KC0YBM       |
| KC2TR      | KD8NYO     | KC9CMT     | WA1LAD      | KD5CKP       |
| KD9GKL     | KE1AU      | KD3SW      | WA5TRX      | KF4KSN       |
| KJ7OG      | KJ4M       | KE5CVM     | WB5NHX      | KM4NYI       |
| KM6WXB     | KR5V       | KF0Q       | WB7VVD      | KT5WB        |
| KO4LZ      | N1HOQ      | KG5X       | WK5X        | N1VMJ        |
| N0STP      | VE7ZD      | KJ5OA      | WW2R (EL09) | N3UMA        |
| N1LDY      | W4RVZ      | N3TBB      |             | N4BH         |
| N2FBQ      | W5DPT      | N4NIA      | <b>98</b>   | N5OTY        |
| N3UPS      | W5OV       | N5RZK      | AC2RL       | N6MA         |
| N7AGF      | W7UT       | N5XTR      | AD8Y        | N9APK        |
| NJ1H       | W9NFL      | N7EME      | K0KC        | N9IO         |
| VE2PIJ     | WA8EQP     | N8COP      | K0UD        | N9KY         |
| W1TE       | WB5FDP     | N8XS       | K3IXD       | NK7C         |
| W1ZE       |            | VP2MRM     | K3QIA       | NU0Y         |
| W4KVS      | <b>101</b> | W2CH       | K4OP        | VA3FIN       |
| W6ZQ       | AE7V       | W4/KL7GLL  | K5HOB       | W3QT         |
| W9EBK      | K0RAR      | W4OZK      | KA1EKR      | W4CWA        |
| W9MDB      | K0SBV      | W8BZY      | KE4LGL      | W4DAS        |
| WB2VUO     | K0WJ       | W9DQ       | KG4YOU      | W4ID         |
| WB8BZK/VE3 | K2NUD      | WA5TLP     | KG7E        | W7DN         |
| WG3K       | K5DWI      | WV9E       | KJ2G        | WA6OSX       |
|            | K5HX       |            | KK0CQ       | WA9LEY       |
| <b>103</b> | K7SYS      | <b>99</b>  | KY0Q        | WB8RVK       |
| AA5CK      | KB4KBS     | AB0SD      | N0JJQ       | WB8ZTV       |
| AB0YM      | KC6AWX     | AB3TM      | N1JHJ       | WB9PNU       |
| AB5SS      | KC8CSD     | K0YO       | N3LRP       | WE8L         |
| K2OY       | KG8WB      | K4KEW      | N5TEY       |              |
| K4MVL      | KG9IL      | K4WQ       | N8AID       | <b>96</b>    |
| K6USY      | KL2R       | K4ZO       | NO5X        | AD5OW        |
| K8ZEE      | KR4WM      | K5VPQ      | NO8R        | AE4TQ        |
| KA1W       | KR7LD      | K7DD       | VA3VF       | AK4F         |
| KB0FHP     | N1IX       | K7PAP      | W2KRP       | K2CK         |

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| K2UF      | N5BLY     | N5ZMP     | VA7QI     | K6YK      |
| K2UNK     | N5ENU     | N6HY      | VE3WMD    | K7HPN     |
| K4EQH     | N5KI      | N6MXU     | W0MHK     | K8OI      |
| K5CRJ     | N9IV      | N7NH      | W2VTV     | KB2YWU    |
| K8EMR     | N9LJX     | N7UN      | W3ZGD     | KB3IAI    |
| K9OT      | VA3KS     | N8WWM     | W4GPM     | KB3NDS    |
| KA2NDX    | VA3PZ     | N9DD      | W5DMT     | KB7AZ     |
| KA3HED    | VE3KZ     | N9UNX     | W7EIR     | KC5POV    |
| KB5GI     | VE3SPW    | VA3MA     | W7TRX     | KC8LGL    |
| KB8PNS    | W3UA      | VE3RX     | W9IFW     | KE1IU     |
| KC0HBP    | W4YZJ     | VE5MX     | W9NED     | KG4QWC    |
| KD6PY     | W5ADA     | VE7AB     | W9WI      | KI3O      |
| KI5TE     | W5CBF     | W2GR      | WA5ICA    | KI5BLU    |
| KM2O      | W5RCQ     | W3IPA     | WB5CON    | KM7N      |
| KM5NU     | W7JWC     | W3TA      |           | KM9I      |
| KS4V      | W9SX      | W4LNG     | <b>92</b> | KQ6K      |
| KT5RR     | WA2ONK    | W5ODD     | K1EY      | N3PPH     |
| N0WVU     | WA3I      | W5PUF     | K5GDX     | N3WCM     |
| N2LID     | WA4WR     | WA7LHZ    | K5TDA     | N7CZ      |
| N2VHZ     | WB2SIH    | WA9BXB    | K7FU      | N8DEZ     |
| N2XK      | WD8DOT    | WT9U      | K7HKR     | NR4J      |
| N8PAQ     | WS4S      | WV7S      | K7UWR     | NU4N      |
| N8YBY     | XE2AT     |           | KB0PQP    | OE9KFV    |
| NT2A      |           | <b>93</b> | KC4JNW    | VA2BBW    |
| NW5Q      | <b>94</b> | AG2A      | KD4QMY    | W2SUB     |
| NY2Z      | AA4RP     | AG6CV     | KE4WBO    | W4MLN     |
| VE2DCP    | AB4VT     | AI8F      | KG4URP    | W5KDA     |
| W1HMM     | AD1DX     | K0IW      | KR7X      | WB0NRV    |
| W4KK      | HK4SAN    | K1PTF     | N0RC      | WB7X      |
| W4TMR     | IK8YTA    | K1ZK      | N2SG      | WC4V      |
| W7JHS     | K0ARM     | K2AK      | N3GH      | XE1GZU    |
| W8DM      | K3BEE     | K2MTS     | N4VN      |           |
| WA3EEC    | K3TUF     | K4DAM     | N5QO      | <b>90</b> |
| WB0M      | K4JRK     | K5TRI     | N6FD      | AA0LM     |
| WB5KJE    | K4LDC     | K6RM      | N6RPM     | AB4WL     |
| WP4LNY    | K4NNX     | K7IP      | N7DED     | AB9DU     |
|           | K8GT      | K7TRK     | NS6E      | AF5BG     |
| <b>95</b> | K9DOG     | KB0USF    | UT5JAJ    | DL1SMA    |
| AB9AI     | K9SUL     | KC5TGT    | W1PV      | JH4JNG    |
| AE0G      | KA2F      | KC5TT     | W2ACY     | K1HC      |
| AE5EO     | KA9UVY    | KC9TTR    | W2CVW     | K1KA      |
| K1PNQ     | KB7AK     | KC9UL     | W3ACO     | K3CWF     |
| K4ED      | KC0AUY    | KD0QG     | W3HZU     | K3UAL     |
| K8KFJ     | KC3AK     | KE6AZX    | W4BP      | K4AAP     |
| K8ME      | KD4VRZ    | KE6UMW    | W4LIA     | K4FTP     |
| K8VD      | KE3WM     | KE8RPJ    | W6NS      | K4XZ      |
| KD7WH     | KF0LA     | KI0J      | W8JV      | K8EAB     |
| KD8DR     | KG4NLZ    | N2BX      | WA3JKB    | KA5TJI    |
| KD9ZR     | KU4JZ     | N2YTF     | WA4EEZ    | KB5FHK    |
| KF6XA     | KV3W      | N3AO      | WM3O      | KB7BSA    |
| KI0SK     | N0LNE     | N3ZBK     |           | KK4DZP    |
| KW9U      | N0LP      | N4GOA     | <b>91</b> | KW3DX     |
| N1XK      | N1TOR     | N4YHC     | AA0CW     | N2ULL     |
| N2SLO     | N2SU      | N7EGY     | AD3Y      | N4BRF     |
| N2WLS     | N3JBH     | N7JI      | CO2WZ     | N5BA      |
| N3WAV     | N3XBG     | N7KSI     | K1UR      | N9JJ      |
| N4ET      | N3YUG     | NA9D      | K4SPA     | N9MSG     |

|                 |           |           |           |           |
|-----------------|-----------|-----------|-----------|-----------|
| VA3XOV          | K3TN      | XE1RBV    | ZS6NK     | W6TCP     |
| W9CPV           | K4XD      |           |           | W7AM      |
| W9CSY           | K7CTV     | <b>86</b> | <b>83</b> | <b>79</b> |
| W9HBH           | K7WV      | AG1T      | AA6E      | K4RW      |
| WA2BEV          | K7ZYV     | K7FB      | DL5XJ     | K5JBT     |
| WA8OJR          | K9JF      | KA9OKH    | K1LH      | KP4N      |
| WD9HCF          | KB2KIR    | KB7JJG    | K4SQC     | N2COP     |
| WE7H            | KC1GWX    | KI6HQT    | K6JJ      | N5YJZ     |
| WEST SEATTLE AM | KC3MLC    | KN4MMH    | K8SIA     | N9RC      |
| WH6LE           | KE7RTB    | KP4TB     | KB3HHA    | VE3CFK    |
| WT4C            | KE8UM     | KT1R      | KB9LIE    | W2GW      |
| XE3/K5ENS       | KI2D      | N2NF      | KC1UYZ    | W2SKI     |
|                 | KI4RFM    | N3MVF     | KK7BV     | WN0L      |
| <b>89</b>       | KJ4KW     | N8TFD     | KU4WW     |           |
| AB1TZ           | N1CEO     | NZ3O      | TG9AKH    | <b>78</b> |
| AG2AA           | N2MKT     | VA3MDB    | W7USB     | K2QPN     |
| AG7NR           | N2ZN      | VA7LM     | WD6T      | TG9AWS    |
| G4NBS           | N4CAG     | W8IW      | WD9IOK    | W4NE      |
| JQ1TIV          | N4GN      | WA1PMA    | WI6Z      |           |
| K4BMM           | N4KIN     | WA4USA    | XE1MM     | <b>77</b> |
| K5CX            | N4UC      | WB4GCS    |           | K1IFJ     |
| K5JAZ           | N5VBK     | XE2AU     | <b>82</b> | MI0AYR    |
| KA0MWA          | NS3X      |           | AD4IE     |           |
| KF4TVL          | NT4TN     | <b>85</b> | CB0ZA     | <b>76</b> |
| KI0G            | VE2VLJ    | EI3IO     | K3RJK     | K0WYN     |
| KI4FW           | W2BZR     | K1UU      | K4JMX     | K6MAA     |
| KI4US           | W3YX      | K4LRP     | KA5WSS    | KI4CYB    |
| KR4U            | W4DL      | KB3MXK    | KC5YKX    | KI7WXP    |
| KT3X            | W4RXR     | KC0V      | KG4KVZ    | N1GNB     |
| N2GZ            | W7HDD     | KE4DRF    | N1SF      | N2MH/4    |
| N5KAE           | WA2BTR    | KK4AND    | PU8TEP    |           |
| N8YSZ           | WA5MD     | N2RJ      | W5DAS     | <b>75</b> |
| N9RG            | WK3N      | N4LS      | W7YOZ     | G4RGK     |
| N9UDX           | WV8O      | NJ1Q      | W8GG      | K3PP      |
| NE2U            | XE1SOV    | VE3GFN    | WA2ONG    | K8QM      |
| VE3VCF          |           | VE7DAY    |           | N5GH      |
| W0HRO           | <b>87</b> | W1WV      | <b>81</b> | NP3YL     |
| W1HY            | AC0A      | W3STU     | AB4I      | W4LVH     |
| W2JEK           | AG4I      | W4IT      | KE4DZU    | W5UC      |
| W2OK            | K4JC      | W4RA      | N6MM      | WP4NEG    |
| W4ZMM           | K5UZ      | W6ST      | N7NEV     | ZL3AAU    |
| W6VNO           | K5WO      | W7SIR     | NI4Y      |           |
| W9HT            | K6UIP     | W8DQ      | W3MC      | <b>74</b> |
| WA7SDI          | KB1VUN    | W9QY      | WA4ZXV    | AK8B      |
| WB3IAL          | KC8NAH    | WA4WKL    | WA8ZNC    | CX4AAJ    |
| WM6Y            | KE6WOX    | WD4LSS    | XE1EE     | KF2TI     |
| WQ5C            | KI6RRD    | WF4R      |           | LU4FPZ    |
| WR5AY           | N0ELA     |           | <b>80</b> | TI2CDA    |
| XE2NL           | N2CJN     | <b>84</b> | AC6BW     | VE6SO     |
| XE3DX           | NA5DX     | CT3FT     | K7FR      | VK4CZ     |
|                 | NE5S      | K4EZY     | KE4PT     | WC6DX     |
| <b>88</b>       | NI5F      | KE6NDG    | KR4Q      |           |
| AA4QE           | NN7RM     | N1KI      | KW1DX     | <b>73</b> |
| AE0DX           | W8GOC     | N2NWS     | N2NS      | G4FKA     |
| AE4OF           | WB3IGR    | VE2WBK    | UW5ZM     | JF1IRW    |
| AF4MI           | WB8JAY    | W8PU      | VY2HF     | N6DW      |
| K1RS            | WF4W      | W8SGR     | W5TTY     |           |

|                                                                                |                                                           |                                                                   |                                                    |                                                                                                      |
|--------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------|
| SV1RK<br>VP2MJD<br>W4WT                                                        | <b>63</b><br>EA1DR<br>KB0RFY                              | <b>49</b><br>N8MR                                                 | JA9APS<br>JH9DRL                                   | <b>24</b><br>EI2JD<br>F1RAF<br>F4BDG<br>KS4YX<br>LA6OP<br>ON6AB<br>PA7TWO                            |
| <b>72</b><br>AB1QB<br>N4II<br>PV8ADI                                           | <b>62</b><br>HL2EIZ<br>IZ8EDJ<br>K4DXA<br>N6ZDH<br>SP5QWB | <b>48</b><br>G8BQX<br>JA9KRO<br>KI5KC<br>N6DBF<br>NP3IR<br>YY4DNN | <b>36</b><br>JA1WSK<br>OH4UI                       |                                                                                                      |
| <b>71</b><br>HB9EFK<br>K0GW<br>K4GK<br>K5WPN<br>NP4TT<br>W2YR<br>W3FGP<br>WC5M | <b>61</b><br>CU3AN<br>N0GVK<br>UX1UA                      | <b>47</b><br>HB9RYZ<br>HL2IFR<br>JE1VTZ                           | <b>35</b><br>GI4OWA<br>HA5PT<br>LU9DO              | <b>23</b><br>GM4ILS<br>HB9G<br>K4SLC<br>KP4EIT<br>W8MK                                               |
| <b>70</b><br>GI4SJQ<br>K4BNC<br>KC0ZRX<br>W2LV<br>W2QO<br>W4GP                 | <b>60</b><br>IZ4DPV<br>KP4JFR<br>S55DX<br>UR9QQ           | <b>46</b><br>LU2DX                                                | <b>34</b><br>G4SEU<br>HB9ALO<br>LA2QM<br>UR5WA     | <b>22</b><br>9H1SP<br>IZ3ENH                                                                         |
| <b>69</b><br>K3WGR<br>WD4LBR                                                   | <b>58</b><br>HB9BIN<br>KC6NBI<br>SV8CS<br>WA2MUA          | <b>45</b><br>JA6WJL<br>K4TXJ                                      | <b>33</b><br>W8GC<br>WB4SON<br>WB8TGY (EN72)       | <b>21</b><br>EA1YN                                                                                   |
| <b>68</b><br>AA4S<br>EH7CD<br>K6CF<br>KJ7TEA<br>KW4OV                          | <b>57</b><br>IK1ZOF<br>JL1UXH<br>N5LJL<br>WD5GRW          | <b>44</b><br>WO3T<br>XE2YWH/1                                     | <b>32</b><br>N3LRH<br>SM6WET<br>ZL3TE              | <b>20</b><br>CX1FK<br>DM2RM<br>HL4CJG<br>I1FQH<br>JM1KVV<br>N1WC<br>OE3SGU<br>PY5EW<br>W8LR<br>YL3HA |
| <b>67</b><br>W7YED                                                             | <b>56</b><br>KI5WA<br>LU8ADX<br>NI6T<br>US5WE             | <b>43</b><br>8P6SH<br>CT1EEN<br>HB9RUZ<br>K4ZIN<br>SV2AEL         | <b>30</b><br>E72X<br>JL3LSF<br>JO7WXN<br>WA6DNR    | <b>19</b><br>DL1TS<br>EA6BB<br>JI4WAO<br>JR3UIC<br>PY2HN<br>SP8NR<br>VE6TA (DO31)                    |
| <b>66</b><br>K6KLY<br>KK4YEL                                                   | <b>55</b><br>JL3MCM<br>LA3MHA<br>WA2EMF                   | <b>41</b><br>K0BBC/R<br>KB4YKC<br>N6PAZ                           | <b>29</b><br>HL2WA<br>OE4VIE<br>SP5APW             |                                                                                                      |
| <b>65</b><br>JA1XEC<br>K5EJ<br>N7UJJ<br>OK1MP<br>W4CCS                         | <b>54</b><br>AG4KI                                        | <b>40</b><br>E75AA<br>JF1LMB<br>JR0QFA<br>WB8TGY                  | <b>28</b><br>CT8/K0RUI<br>JA6CRP<br>K0FMI<br>OH3DP | <b>18</b><br>AJ6V<br>KJ4EU<br>W0HBH                                                                  |
| <b>64</b><br>JG2TSL<br>K3BQ<br>WD5GRW (EM13QO)                                 | <b>53</b><br>K0BBC<br>PP1CZ                               | <b>39</b><br>AA5PK<br>YL2JZ                                       | <b>27</b><br>E70A<br>KC9ELU<br>WP4NIX              | <b>17</b><br>G3LZQ<br>PY2XAT<br>W0JM                                                                 |
|                                                                                | <b>51</b><br>CT1ETE<br>N8OFS<br>OE9FCP                    | <b>38</b><br>DD3KF<br>DU1EV<br>K8YSE<br>VK5PJ                     | <b>26</b><br>WB7QXU                                | <b>16</b><br>N6VHF                                                                                   |
|                                                                                |                                                           | <b>37</b><br>BA7NQ                                                | <b>25</b><br>EA4/K1WE                              |                                                                                                      |

|                                                                                                                   |                                                                                                                                                                         |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>15</b><br>9K2BM<br>EI2GLB<br>HB9HIT<br>HL4GAV<br>LU5FF<br>PY2RN<br>SV8CKM<br>UT3UA<br>UX0DL<br>WC2C            | <b>9</b><br>DL7BA<br>EB1EWE<br>EC7ZK<br>G6BFP<br>IK3ITB<br>JA1MZL<br>JA2FGL<br>JE1LFX<br>KD3UY                                                                          | W2ZF<br>YL2CZ                                                                                                                                                                                                                                                      | F5TMJ<br>G0THY<br>G4DDL<br>G8GNI<br>GI4ONL<br>IK1IYU<br>IK2GOQ<br>IZ8XQC<br>JA6AVT<br>JA6SZV<br>JA9FAI<br>JH3MHI<br>JP1HDK<br>K7LY<br>KEN IN NEBRASKA<br>LA2CQ<br>OH3KAV<br>SV1XV<br>SV3FUO<br>YB2DX<br>YL2KF                                                                                                                                     | ON6NA<br>OZ1IKY<br>PU5SVE<br>SM3GBA<br>SM6LPG<br>SP7EXY<br>SQ5NRY<br>UN8G<br>UR5EDX<br>VR2VGM<br>WB7VUF<br>YO8WW |
| <b>14</b><br>HB9FMN<br>JA2XCR<br>KB8DVT<br>PA7RA<br>PV8RR<br>PY2OC<br>W9TTY                                       | <b>8</b><br>DK2LO<br>JA1CPU<br>JE3PCP<br>N8RO<br>OH8LXT                                                                                                                 | <b>4</b><br>CT7/RC2A<br>EK/RX3DPK<br>F1DFR<br>IV3GOW<br>JG1JPE<br>JH7IMX<br>JH7IPR<br>JK6DXD<br>S51NM<br>UT5EL<br>VK4ZP<br>XE1SAX                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                  |
| <b>13</b><br>K4WY<br>PY2MC<br>W4PWF                                                                               | <b>7</b><br>DH0GSU<br>G8APB<br>HB9GWJ<br>IZ0INX<br>JA2NDQ<br>JI2UDK<br>JJ2NWI<br>LA3DV<br>N5ORT<br>NJ4Y<br>ZS4TX                                                        | <b>3</b><br>DF1ZN<br>DJ5AV<br>DL2KQ<br>EA1AR<br>EA4D<br>G3LHJ<br>GM4CFS<br>GM4KHE<br>HA9PP<br>HL2ZN<br>IK0WRB<br>IK8EPC<br>IW3GJF<br>JI1CHH<br>JM1GHT<br>JN1BPM<br>JR6IQI<br>KC0Y<br>PY5IP<br>SA7CJO<br>SV1VN<br>W1CBY<br>WD9EWK (DM43)<br>YB1TJ<br>YL2CA<br>YL2MU | <b>1</b><br>3A2MW<br>9A2EY<br>BD4UJ<br>CT1AHU<br>DH8BQA<br>DJ3ZF<br>DL2DCX<br>DL4ZAB<br>EA3WD<br>EA4GQS<br>G4VSS<br>G6MXL<br>G7SQS<br>G8TTI<br>IK5BSC<br>IW0AFS<br>IZ0BTV<br>IZ2CSX<br>IZ3DBA<br>IZ5FSA<br>JA1GZK<br>JA7DPC<br>JA7VXB<br>JH8XVT<br>JI1HNC<br>JJ1PFC<br>JL2ULM<br>JN3ONX<br>KC3KJQ<br>KG4JSZ<br>KH6WI<br>KP4DER<br>MM0INH<br>OK1UU |                                                                                                                  |
| <b>12</b><br>EA3GP<br>F4ESV<br>HB9DDZ<br>IK2RPE<br>JE2UFF<br>JK1UNZ<br>JN1RQV<br>N1IW<br>ZS6WB                    | <b>6</b><br>CT2FEY<br>DL1TRK<br>DU0A<br>EA8MT<br>EI2JC<br>JA7NGE<br>PY2VA                                                                                               |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                  |
| <b>11</b><br>A65BR<br>DL2OE<br>EA4DAU<br>EA4ZK<br>G4CTY<br>IZ4GWE<br>JA2KVB<br>JA6QHJ<br>PY2DV<br>PY2GM<br>SP5XMU | <b>5</b><br>DL5LH<br>EA1AAA<br>EA7ZY<br>IK8GYS<br>JI5USJ<br>JJ1IDW<br>KB8VAO EN91KT<br>M1VPN<br>MU0GSY<br>OK1IN<br>ON5UE<br>PP2RON<br>SK6QA<br>VE2NGH<br>VR2XMT<br>W1ZR | <b>2</b><br>5B4ALJ<br>6K5XZE<br>7J1ADJ<br>9A2GA<br>9K2NO<br>BV6CC<br>CO6CBF<br>DF8FT<br>DK1CO<br>EH4BPJ<br>ES8JX                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                  |
| <b>10</b><br>DL4CF<br>HB9BOS<br>PA5KT<br>SV2DCD<br>TF3Y<br>UR7DWW                                                 |                                                                                                                                                                         |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                  |