

## 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 (26 Sep 2026). 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> | N5OMG      | <b>486</b> | <b>479</b> | <b>470</b> | <b>460</b> |
| AA0MZ      | N6JV       | KY7M       | N7ZO       | K4SO       | K5OMC      |
| AA5AM      | N7NW       | N0KE       | W5WVO      | K5RT       | K8ZM       |
| AA5C       | N9LB       | N7KA       | W9RN       | WO7R       | KF0M       |
| AA7A       | N9UM       | W5ZN       | WB9CIF     |            |            |
| AI5I       | ND0B       | WD5COV     |            | <b>469</b> | <b>458</b> |
| K0GU       | W0FY       |            | <b>478</b> | AJ4F       | K9MK       |
| K0SIX      | W0JW       | <b>485</b> | AD1C       | K4MY       | K9NW       |
| K0TPP      | W0LGQ      | AD6D       | AE5B       | K7PI       | KG5THG     |
| K1TO       | W3CP       | K1USA      | K6ZH       |            | N9BCA      |
| K1TOL      | W4UDH      | K9MU       |            | <b>467</b> | NE1B       |
| K4PI       | W5ADD      | N0POH      | <b>477</b> | K3SX       |            |
| K4XO       | W5AFY      | N5WS       | N5KO       | KB9DAK     | <b>457</b> |
| K5ND       | W5AJ       | W5VY       | NC6K       | NY0V       | K4HB       |
| K5RK       | W5EME      |            | W6XK       | W5THT      | W9WO       |
| K5UR       | W5FF       | <b>484</b> |            |            |            |
| K5WE       | W5KI       | AF5CC      | <b>476</b> | <b>466</b> | <b>456</b> |
| K7BG       | W5OZI      | AI1K       | K5XI       | KA0JGH     | AJ4A       |
| K7CW       | W5TRL      | WQ0P       | N4SIX      | KB6NAN     |            |
| K7ULS      | W7GJ       |            |            | N4QS       | <b>455</b> |
| K8SIX      | W7JW       | <b>483</b> | <b>475</b> | NA6MG      | KF8MY      |
| K9CT       | W7KNT      | AC0RA      | ND4X       | WX7M       | WA9DU      |
| KA9CFD     | W7MEM      | W0VTT      |            |            | XE2X       |
| KA9FOX     | W9FF       | WA7HQQ     | <b>474</b> | <b>465</b> |            |
| KD5M       | W9JN       | WB0ULX     | K7KQA      | N4JQQ      | <b>454</b> |
| KG5CCI     | W9RM       |            |            | XE2K       | WB7CJO     |
| KM0A       | W9XX       | <b>482</b> | <b>473</b> |            |            |
| KM0T       | WD5K       | K0BJ       | NQ7R       | <b>464</b> | <b>453</b> |
| KO9A       | WQ5S       | N4WW       | VE3EK      | KB9OWD     | K4YMQ      |
| KR7O       | WS9V       | W9VHF      | WB0O       |            | K6EID      |
| KV5W       |            |            |            | <b>463</b> | N9FN       |
| KX4R       | <b>487</b> | <b>481</b> | <b>472</b> | KB8VAO     |            |
| N0LL       | K7MAC      | KC7QY      | KB7ME      | NI0G       | <b>452</b> |
| N0LWF      | K9YY       |            | N7BAV      | W5XC       | KK4MA      |
| N0PB       | N0AKC      | <b>480</b> | WD8JJA     |            | N5BO       |
| N0TB       | N7CW       | K5GZR      | WE9R       | <b>462</b> | N8YO       |
| N1AV       | N7IR       | KC7V       |            | N6ORB      | N9BX       |
| N3SL       | N9ISN      | N4TB       | <b>471</b> |            |            |
| N3XX       | NA6L       | N5EKO      | N9PGG      | <b>461</b> | <b>451</b> |
| N5DG       | W3IP       | XE2OR      | W0RH       | NA9RB      | K1HTV      |
| N5NA       | XE2CQ      |            |            | W3UR       | K5WBM      |

|                                                        |                                              |                                                                |                                                           |                                                        |                                                       |
|--------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|
| KD3CQ<br>WA1EAZ                                        | <b>439</b><br>K8ROX<br>N4QWZ<br>N5TJ<br>NM5U | <b>424</b><br>K6JJ<br>N4UFP<br>N9AKR<br>W3EP<br>W5PR<br>WB8BPU | <b>413</b><br>WA9LFO                                      | <b>403</b><br>K6VHF                                    | W6OMF                                                 |
| <b>450</b><br>NE9U<br>W0MU                             |                                              |                                                                | <b>412</b><br>KT8O<br>VE2XK 6M FN07PJ                     | <b>402</b><br>K3FM                                     | <b>391</b><br>W4AVY<br>W6TMD                          |
| <b>449</b><br>KF6HI<br>N8OC<br>W8TN                    | <b>436</b><br>NZ3M<br>W3TC<br>WB8ART         | <b>423</b><br>W4DR                                             | <b>411</b><br>N1EVK<br>N9EAT<br>WR7X                      | <b>401</b><br>K4CKS<br>KM3V                            | <b>390</b><br>WF7T                                    |
| <b>448</b><br>K4XP<br>KP4AJ<br>KV7N<br>W3LPL<br>WB8ZBT | <b>435</b><br>KF6A                           | <b>422</b><br>VE6WQ<br>WB5JID                                  | <b>410</b><br>K3UA<br>KB0V<br>KE7SW<br>K18G               | <b>400</b><br>W0JRP<br>W3UUM<br>W7FI                   | <b>389</b><br>W5MO                                    |
|                                                        | <b>434</b><br>AA1ON<br>K1SIX<br>VE3LYC       | <b>421</b><br>NP4EI/W7                                         |                                                           | <b>399</b><br>N3PS<br>NN4R                             | <b>388</b><br>K0IP<br>W4WRL                           |
| <b>447</b><br>AH0U<br>KS7S<br>N2NL<br>N4SC             | <b>433</b><br>AB9BH<br>KE8KMX<br>WW1L        | <b>420</b><br>AD5A                                             | <b>409</b><br>K5PI<br>N5SYV<br>N9JR<br>VE3DS              | <b>398</b><br>N8IEZ<br>W1NG                            | <b>387</b><br>KV4T<br>N0FJP<br>N4CH                   |
| <b>445</b><br>KG7CW<br>KU7Z<br>N4LR                    | <b>432</b><br>K3FRK<br>K6GXO<br>N6KK         | <b>419</b><br>K7NN<br>W0GN<br>W5AL                             | <b>408</b><br>K7SMA<br>KZ2I<br>NY1V<br>W7BA<br>WA1NLG     | <b>397</b><br>AB4EJ<br>KE4TH<br>KI0E<br>W8LMG          | <b>386</b><br>JA7QVI<br>N7IJ<br>W5TFW<br>W7AH<br>WE4S |
| <b>444</b><br>K4SSO<br>W3LL                            | <b>431</b><br>K0TLM                          | <b>418</b><br>N4UFO                                            |                                                           | <b>396</b><br>AB4SF<br>AG4W<br>KB8U<br>N3OC            | <b>385</b><br>K0JDD<br>NK1K<br>VE6MB<br>W4WTA         |
| <b>443</b><br>AB4IQ<br>N4MM                            | <b>430</b><br>K0DD<br>K1TEO                  | <b>417</b><br>AA5JF<br>N4HN                                    | <b>407</b><br>W4AS<br>W5CIA<br>W7YAQ                      | <b>395</b><br>AA5XE<br>K0AZ<br>K5XM<br>KF7CQ<br>WB4EVH | <b>384</b><br>K8ROK<br>N2WK<br>W8OP                   |
| <b>442</b><br>AG9S<br>K4ZOT<br>N2QT<br>N4TL<br>NJ6D    | <b>429</b><br>K5TA<br>K8ZR<br>WA5JCI         | <b>416</b><br>AC9DX<br>K4RWP<br>K7ND<br>KO4MA<br>NI0P          | <b>406</b><br>AK3E<br>K6FG<br>K8EB                        |                                                        | <b>382</b><br>N8LRG<br>VE3YXO                         |
| <b>441</b><br>K8TB<br>K9KLD                            | <b>428</b><br>K9APW                          | <b>415</b><br>K7AWB<br>K8JH<br>W0GJ                            | <b>405</b><br>AA4SC<br>K1GG<br>K5CKS                      | <b>394</b><br>K6RO                                     | <b>381</b><br>NK0S<br>W3VZ                            |
| <b>440</b><br>AE5FM<br>W2IRT                           | <b>426</b><br>N5OK<br>NE6I<br>W5JAY          | <b>414</b><br>K0DEQ<br>K2TER<br>KM8V<br>N0GZ<br>W4TV           | <b>404</b><br>KF9UG<br>N2ZX<br>NH6T/W4<br>VE4EAR<br>W5SUM | <b>393</b><br>K7XB<br>K7XC<br>KD5XB                    | <b>380</b><br>K7MCX<br>WA5LFD                         |
|                                                        | <b>425</b><br>K6ML                           |                                                                |                                                           | <b>392</b><br>AF4HX<br>K5HPT                           | <b>379</b><br>N8WNA                                   |

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| <b>378</b><br>KR4BD                                                          | K6EME<br>WA7PDC                                              | <b>353</b><br>AF2K<br>K0CS                     | NX7U<br>WA7YAZ                                                                   | WB5TOI                                                         | NG7M<br>W0PR<br>W3HDH<br>W7JLC                        |
| <b>377</b><br>AB1OC<br>NT9E                                                  | <b>364</b><br>AB5EB<br>K0RAR<br>K5KEW<br>N6QQ                | <b>352</b><br>K7LOL<br>VE3XN<br>W0KKK<br>XE2ML | <b>340</b><br>N0AN<br>WA9M                                                       | <b>333</b><br>AA4LR<br>K0TC<br>KM4HI<br>N0IGZ<br>W3GQ<br>XE1YY | <b>325</b><br>KF2T<br>WA2AEY<br>WX0Z                  |
| <b>376</b><br>K8GI<br>K8VFX                                                  | <b>363</b><br>VE7BV<br>W1JR<br>W4NH                          | <b>351</b><br>W7IMC                            | <b>339</b><br>KE4BKL<br>N2ZZ<br>VA7FC<br>W5VAS<br>WB0OQV                         | <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>375</b><br>K6QG<br>WB4OQX                                                 | <b>362</b><br>KB1EFS<br>WA5OLT                               | <b>350</b><br>N6VI<br>WB4KTF                   | <b>338</b><br>AI9L<br>NA5Z<br>VE3SXE<br>W4MAY<br>W9XA<br>WA5KBH                  | <b>331</b><br>K0SRL<br>K8WDA<br>KC0UDO<br>N4MW<br>W3TI         | <b>323</b><br>N8II<br>W8KEN<br>WO2T                   |
| <b>374</b><br>K0TT<br>KV7K<br>N6GP<br>N7DB                                   | <b>361</b><br>K8BL<br>K9NR<br>N1KDO<br>N8KOL<br>NG4C<br>W4ER | <b>349</b><br>K1GJQ<br>KA0BAD                  | <b>337</b><br>K8ZES<br>W9EWZ<br>WA5RT<br>WW0E                                    | <b>330</b><br>KB8MBC<br>KG6AY<br>W8PI                          | <b>322</b><br>JG1TSG<br>N3ALN<br>VA6SZ                |
| <b>371</b><br>AA4ZZ<br>WA6BYA                                                | <b>360</b><br>K6UM (CN85)<br>W0NOZ                           | <b>348</b><br>N1JFU<br>NJ7G                    | <b>336</b><br>FG8OJ<br>K5KDX<br>K7BV<br>K9QVB/9<br>VA2WA<br>WO9S                 | <b>329</b><br>AA1QD<br>N2JJ<br>W2OR<br>W8WG<br>W9DCT<br>WX4G   | <b>321</b><br>N0LD<br>N7RO<br>NC7B<br>NS4C<br>W9VA    |
| <b>370</b><br>K5TN<br>KG8P<br>KN4SM<br>KS4YT<br>N3MK<br>NN9X<br>NT0V<br>W4FC | <b>359</b><br>AA4FF<br>K0CAO                                 | <b>347</b><br>W2HRO                            | <b>335</b><br>AK0MR<br>K5FUV<br>K5FZ<br>K9QVB<br>KB4MRX<br>KN4NN<br>W9GKA        | <b>328</b><br>K6ME<br>N5PT<br>W2CNS<br>WB3LHD                  | <b>320</b><br>KG5EIU<br>N4DW                          |
| <b>369</b><br>K0VG<br>KF8UN<br>N2DPF                                         | <b>358</b><br>K5RLA                                          | <b>346</b><br>N9XG                             | <b>344</b><br>K6FW<br>KB0PE<br>W1OW                                              | <b>319</b><br>N7US                                             | <b>318</b><br>W4HY                                    |
| <b>368</b><br>N4JP<br>W5RCI<br>W6GMT                                         | <b>357</b><br>K4LVV<br>WA9PWP                                | <b>345</b><br>AA8SW<br>W3XY<br>XE2YWH          | <b>343</b><br>K1ST<br>K5EK<br>KK0DX<br>N3RC<br>N3YT<br>N6KZ<br>N8HRZ             | <b>327</b><br>KJ5RC<br>N0YO<br>W2JU<br>W7YA                    | <b>317</b><br>KA8SYV<br>W1SKU                         |
| <b>367</b><br>KC4HW                                                          | <b>356</b><br>K7PT                                           | <b>341</b><br>KD7DCR<br>N9LF                   | <b>334</b><br>AD7OV<br>K0OOK<br>K3TRM<br>N4UFO (EM95)<br>N9DR<br>VE1JBC<br>W3ATV | <b>326</b><br>K2ZD<br>K6LMN<br>K6TDI                           | <b>316</b><br>DK8NE<br>K3FN<br>KA0ABA<br>W4UCK        |
| <b>366</b><br>KI7JA                                                          | <b>355</b><br>AA4FL<br>N3AIU (DM45)<br>W1DYJ                 |                                                |                                                                                  |                                                                |                                                       |
| <b>365</b><br>K4JJW                                                          | <b>354</b><br>KE8Y<br>NP4EI<br>NU6S                          |                                                |                                                                                  |                                                                |                                                       |

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| W9BWR                                                           | WV9L                                                                      | <b>297</b><br>N8YQX                                                    | <b>287</b><br>K8DP<br>KC7MRQ<br>N8CGY<br>W7CT<br>WA4NVM              | W0VHF (EL87)<br>W8GJ<br>XE1FAS<br>YV1DIG                             | N2LIV<br>NI3K<br>W4QK<br>W5DNT<br>W7JY<br>WZ9B                                   |
| <b>315</b><br>K0PG<br>K5VH<br>KM3T<br>NY2NY<br>WA8ZID<br>XE1AO  | <b>305</b><br>K3VAT<br>K6UM (CM88)<br>KT1J<br>N4SV                        | <b>296</b><br>K4XR<br>K6YUI<br>KC7RW<br>XE1EE                          | <b>286</b><br>CT1IUA                                                 | <b>278</b><br>AA9D<br>AJ4W<br>K3JT<br>K3WA<br>N0LNO<br>N8BJQ<br>NN1N | <b>269</b><br>K2IE<br>K3ZO<br>KD5R<br>KF6XA<br>N5EPA<br>N5WD<br>VA2CY            |
| <b>314</b><br>KU4XO                                             | <b>304</b><br>K6IPF<br>NS4T<br>WA0GUD<br>WA8MCD                           | <b>295</b><br>KE4P<br>N6AR<br>N7NT                                     | <b>285</b><br>AB0S<br>K5CZD<br>K9UO<br>NS7K                          | <b>277</b><br>AC7JM<br>PV8DX                                         | <b>268</b><br>K6OJ<br>KI0HA<br>N9ZTS<br>W0KAN<br>WB9PNU                          |
| <b>313</b><br>JE1BMJ<br>N6NR<br>N7UVH<br>NF4A<br>W4GLV<br>W5RKN | <b>303</b><br>EA8DBM<br>K8TGC<br>K8TL<br>N7LAN                            | <b>294</b><br>K6JSV                                                    | <b>284</b><br>AB0RX<br>AD4ES<br>K0KP<br>K4DET<br>KL0S<br>NJ2F (EL96) | <b>276</b><br>HC1BI<br>K2CS<br>K5TWJ<br>K7TAB<br>KD8JSP<br>W9OO      | <b>267</b><br>KB1HY<br>KG6EG<br>KX9N<br>N2AMC<br>N8EHW<br>W4FSO<br>W5WP<br>W9DRB |
| <b>312</b><br>AF6O<br>K4NNX<br>KA2GOJ<br>N3KN                   | <b>302</b><br>K2UU<br>KB2TGU                                              | <b>293</b><br>K3AX<br>K4KJZ<br>N4JJ<br>N4MI<br>W2GKR<br>W4VC<br>WA2IIE | <b>283</b><br>N5OHL<br>NA5DX<br>WA0FQK<br>WB0CQO                     | <b>275</b><br>K1MAA<br>K2NJ<br>N4GG<br>W0FK                          | <b>266</b><br>K1OA<br>K1WVX<br>K3HPA<br>TG9AJR<br>VE3MSC<br>WB8EJN               |
| <b>311</b><br>AC9S<br>KS4XQ<br>W2BZY<br>W5DB                    | <b>301</b><br>N0HJZ<br>W3SW<br>W7IB<br>W9OBG<br>WB0TVY                    | <b>292</b><br>KJ6P<br>N4ST<br>W1SSN                                    | <b>282</b><br>AA0ZP<br>K1DT<br>N8JCM<br>W4WM                         | <b>274</b><br>K8YC<br>KB1DMX                                         | <b>265</b><br>N5KS                                                               |
| <b>310</b><br>N1NK<br>W9KVR<br>WO4DX                            | <b>300</b><br>AA4V<br>CT1EEB<br>K0PHP<br>KB6VFC<br>N1RR<br>WA2BAH<br>WX2S | <b>291</b><br>W1WHL<br>W2CCC<br>WI7P                                   | <b>281</b><br>AA8MA<br>JR1LZK<br>K4OY<br>NL7CO<br>W2YE               | <b>273</b><br>KM4H<br>KV1J<br>VE6SH                                  | <b>264</b><br>AC8L<br>K4JAF<br>N0TK<br>N5AO<br>NF1O                              |
| <b>309</b><br>AA9RR                                             | <b>299</b><br>KX7L<br>VE6WK<br>W1LE<br>W8UV<br>WB5GVY                     | <b>290</b><br>AF2F<br>VE6TA (DO33)<br>WA8EFK                           | <b>280</b><br>N0KV<br>NM5Z<br>W1FKF                                  | <b>272</b><br>KF8QL<br>KO4PRE                                        | <b>263</b><br>AK4PR                                                              |
| <b>308</b><br>WA4HFN                                            | <b>298</b><br>K0MLD<br>KD4WSC<br>KK8MM<br>N4IQ<br>W0JM                    | <b>289</b><br>K2BLA<br>K4MM<br>K9FA<br>N5BCA<br>NQ7G<br>W4LTJ          | <b>279</b><br>N3JPU<br>N6PM<br>W0PPA                                 | <b>271</b><br>K7NII<br>KB7FUV<br>W3HHN                               |                                                                                  |
| <b>307</b><br>AG1A<br>KE5K<br>KS4S<br>W9RPM                     |                                                                           | <b>288</b><br>K1NU<br>W1DU<br>W4HLR                                    |                                                                      | <b>270</b><br>K4SPD<br>KC9FQD                                        |                                                                                  |
| <b>306</b><br>K4QE<br>KL7HBK                                    |                                                                           |                                                                        |                                                                      |                                                                      |                                                                                  |

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| K0NO<br>K7MDL<br>K9AAA<br>WB7QBS                                            | <b>256</b><br>JM1IGJ<br>KL7NW<br>KN4PPD<br>N8ZJN                                   | N5SMQ                                                                            | WA2VJL                                                                 | W9XT                                                                                          | <b>223</b><br>K7UA<br>N2ZA<br>NJ7A                                             |
| <b>262</b><br>K3CWH<br>K5VR<br>N5PA<br>ND4DX<br>WA0KBZ                      | <b>255</b><br>K8MVZ<br>KG4JPL<br>W4HFZ<br>WA8KNE                                   | <b>248</b><br>K1ZZ<br>W6VFA                                                      | <b>239</b><br>KF4LVF<br>MD0CCE<br>W6RW<br>W9YOY/M<br>WA3SEE<br>WB1FLD  | <b>230</b><br>K1ZE<br>KO4MM<br>VA3XJ<br>WB0WAO/8                                              | <b>222</b><br>K0YY<br>K2TV<br>K3AJ<br>KA1LMR<br>KD4K<br>WA2BOT                 |
| <b>261</b><br>K3TWK<br>KB8UUZ<br>N3EW<br>W6TCP<br>W9TA                      | <b>254</b><br>KG9Z<br>N4GBK<br>N5SIX<br>N7QOZ<br>NR0Q<br>VE3OTL<br>W8FIB<br>WD5ITW | <b>247</b><br>JA1UAV<br>N5DD<br>W3TEF                                            | <b>238</b><br>AA3GM<br>JP1LRT<br>W1MJC                                 | <b>229</b><br>GD0TEP<br>K6RG<br>KB9RUG<br>KC0VDY<br>KD5IKG<br>KE4UW<br>N4NX<br>NN5DX<br>W5LUA | <b>221</b><br>K5WMH<br>K6CQR<br>N0PSJ<br>N4ION<br>N5UWY<br>W4IFI<br>W5JMW      |
| <b>260</b><br>JM1SZY<br>K6JAD<br>K9MQ<br>N6HC<br>NT7C<br>W3DF<br>XE1YD      | <b>253</b><br>F4BKV<br>KG4ERR<br>N2XQM                                             | <b>246</b><br>K0DAS<br>KK8X<br>N5TIT<br>W4FRA                                    | <b>237</b><br>K3KO                                                     | <b>228</b><br>K5RUS<br>K7HSJ<br>KF2ZQ<br>N8AIA<br>W5HEZ                                       | <b>220</b><br>K7BTW<br>N7XCZ                                                   |
| <b>259</b><br>K1BD<br>KD4ADC<br>KG6I<br>KN5O<br>NY1E<br>VE6BMX<br>WA4YA     | <b>252</b><br>AB5A<br>K1ACL<br>K3NK<br>N9ATF<br>NN4RR<br>VE6NTT                    | <b>245</b><br>AE4M<br>N1IA<br>N3XF<br>VA3CW                                      | <b>236</b><br>K0SU<br>K4NK<br>N3FTI<br>N9ATD<br>W5AJX                  | <b>227</b><br>K8ZT<br>K9TF<br>KS9A<br>W4KXY<br>XE1GLL                                         | <b>219</b><br>K2RKJ<br>K6ZZ (EM78)<br>KE5RV<br>W6DPD<br>W7ZSL<br>WB2WIH (FN20) |
| <b>258</b><br>AB5GU<br>K1NJ<br>K2HAT<br>NA2NY<br>NA5C<br>WB7ECS             | <b>251</b><br>AD5JK<br>AE4WG<br>K9QJ<br>KG7NV<br>NN4SS<br>W2LV                     | <b>244</b><br>K8DV<br>N3AIU (FM08)<br>N4JRY<br>VA3ZV<br>VE3VHB<br>W0VD<br>WD4IXD | <b>235</b><br>ND0C<br>VO1GO<br>WB6RJH<br>WT2P<br>WZ9W                  | <b>226</b><br>AF5WN<br>N7CNH<br>N8UR<br>NM5S<br>W0VX<br>W8RD<br>WQ6Q                          | <b>218</b><br>K1XH<br>K4IJQ<br>KB8KVJ                                          |
| <b>257</b><br>K0CCM<br>K2KA<br>K5QE<br>KD4MYE<br>N5DTT<br>PY2XB<br>WA2HFI/0 | <b>250</b><br>AA9LC<br>KS9J<br>NW6R                                                | <b>243</b><br>JA1QJI<br>JA8ISU<br>K3TC<br>W4EJ                                   | <b>234</b><br>JR2HCB<br>KE6FCT                                         | <b>225</b><br>AC9O<br>KX9X (EN50)<br>N2WSY<br>PV8AZ<br>W8AKS<br>WN6W                          | <b>217</b><br>ND4V<br>W4DEE                                                    |
|                                                                             | <b>249</b><br>JR3REX<br>K8AO<br>KQ5U<br>N1GC                                       | <b>242</b><br>IT9IPQ<br>K3WW<br>KA3TCC<br>VE3SMA                                 | <b>233</b><br>K1AFC<br>K3EA<br>N9NJS<br>VE7VZ<br>W8PAT<br>W9TD<br>XE1L | <b>224</b><br>K2RET<br>NJ8J                                                                   | <b>216</b><br>K7RB<br>N0IS<br>NE1F<br>W1AW<br>W5RWF                            |
|                                                                             |                                                                                    | <b>241</b><br>N6NU<br>W5LO                                                       | <b>232</b><br>K5FO<br>N9NJY                                            |                                                                                               | <b>215</b><br>AL7OC<br>K2SX                                                    |
|                                                                             |                                                                                    | <b>240</b><br>KK4ZUU<br>KO6LU<br>VA3HP<br>W1VT                                   | <b>231</b><br>K4MIJ<br>K6HEW<br>KF6GYM                                 |                                                                                               |                                                                                |

|            |             |            |            |            |            |
|------------|-------------|------------|------------|------------|------------|
| K9OHI      | <b>207</b>  | KC5FP      | <b>194</b> | WX9M       | KB8YKR     |
| KI5FJ      | K6US        | KO9V       | K2MRK      |            | N3XJX      |
| N2YU       | N1BCL       | KR0I       | N3FA       | <b>187</b> | N9MSG      |
| N6KW       | N8NJA       | NN0K       | N9NFT      | AA8R       | NY0A       |
|            |             | NR2C       | WF1H       | KQ0J       | W4RBO      |
|            |             | WA1MKE     | WK8A       | N2WM       | W9BS       |
| <b>214</b> | <b>206</b>  | WA9ASZ     |            |            | WJ1B       |
| JA7MSQ     | AB0CT       |            | <b>193</b> | <b>186</b> |            |
| KB9PJJ     | AK4Y        |            | K9AB       | K8PT       | <b>180</b> |
| KC7OD      | CT3MD       | <b>200</b> | KC5N       | K9SG       | K0OST      |
| VE3SYK     | DJ5FI       | 4A2MAX     | KD2NF      | KN7K       | K4LYN      |
| WA7AJ      | K4GHS       | K4YJ       |            | N0XLR      | KC1MMC     |
|            | K9YC (EN61) | K5DB       | <b>192</b> | N6ZE       | N1RK       |
| <b>213</b> | KB0LYL      | K6ZZ       | AA6AA      |            | N6PEQ      |
| K3DFL      | NA5Q        | LU4FW      | N1LF       | <b>185</b> | N6VH       |
| KI6X       | W0BNE       | N7PHY      | N2NB       | AD6W       | W5HI       |
| W0NBC      | W4EJG       | N9AG       | N3CAL      | KD5BQT     |            |
|            | XE1J        | VA3VU      | N3NR       | KU4UC      | <b>179</b> |
| <b>212</b> | <b>205</b>  | WB2AA      | N4LXB      | N8XE       | K1EP       |
| AB5C       | AF4OD       |            | N4TV       | NA2R       | KU4WD      |
| JF8QNF     | K3LL        | <b>199</b> | W6MTR      | PY5CC      | N0LIE      |
| KF7NN      | K8SD        | N3KFV      | W8FN       | W3OU       | N0MMA      |
| N1SV       | KE4HOA      | W4OEP      |            | W5BPT      | NH7RO      |
| N2OA       | N5ITO       | WB0YEA     | <b>191</b> | XE1R       | VA3DPB     |
|            | W8QID       |            | K0ITC      |            | W8LHP      |
| <b>211</b> |             | <b>198</b> | K9CS       | <b>184</b> | WA4QMQ     |
| K9FOH      | <b>204</b>  | 4O3A       | KK6OH      | AF5Q       |            |
| KD3HN      | KO0Z        | AC8TO      | N9AMW      | K0DEW      | <b>178</b> |
| NE8S       | LU2DX       | N0UK       | WA2BKN     | KR4M       | HB9EFK     |
| PV8BR      | WA3DRC      | N7EPD      | WA5CAM     | N1IBM      | KA2AYR     |
| W2ZDP      |             | W8DM       | WD4JHD     | N3FX       | KB0EO      |
| W5HNK      | <b>203</b>  | WA7KYM     |            | N4BG       | KB1RZA     |
| W6AER      | K0VSV       |            | <b>190</b> | N4DTF      | KG5RJ      |
| W6KAP      | K5HYT       | <b>197</b> | K5ER       |            | N1ZUK      |
|            | K5LOW       | I0WTD      | KC2DLD     | <b>183</b> | NQ2O       |
| <b>210</b> | N0HF        | K3EGE      | N9UA       | K5RQ       | VE3NRT     |
| K3MSB      | N8SYF       | N4BAF      | W1ATV      | N0UBL      | W0ZY       |
| K9YC       | NX0I        | W3TW       | W2OO       | W2UDT      | W1MAD      |
| KL7NO      | W1RM        | W5CTV      | W4GE       | WC4H       | WY7FD      |
| N1TQ       | W3SZ        |            | W8SP       |            |            |
| N6UK       | W9GFB       | <b>196</b> | WB0DBS     | <b>182</b> | <b>177</b> |
| WQ9T       | W9VOB       | K0AIZ      |            | AJ6T CM87  | AG4ZE      |
|            | WA1KPD      | K0NR       | <b>189</b> | FP/KV1J    | K2QQ       |
| <b>209</b> |             | N5DUW      | AC0W       | K5GMX      | KI4BWW     |
| AA4IB      | <b>202</b>  | W2AMR      | KC0MEA     | K8WK       | NY4I       |
| W5WGF      | K1BZ        | XE2ED      | WA5VKS     | NZ1I       | SM7FJE     |
| WA4NFO     | K5GJR       | XE2W       |            | W9JJ       | W5ZG       |
| XE2N       | WC7X        |            | <b>188</b> | XE1CL      | WA8UEG     |
|            | WF8Z        | <b>195</b> | AD7KI      |            |            |
| <b>208</b> | WQ5W        | AA4W       | KD4HLG     | <b>181</b> | <b>176</b> |
| AI2N       |             | K2WJ       | W4AZR      | AB9FN      | AD5ZA      |
| CO8DM      | <b>201</b>  | K6VDP      | WA7VHF     | K4CMS      | EA5BY      |
| KD5HIO     | AA7WB       | KG6WIK     | WU9Q       | K5HDE      | JA1OVD     |
| PV8ABC     |             |            |            |            |            |

|                  |            |            |            |               |            |
|------------------|------------|------------|------------|---------------|------------|
| K0DI             | <b>170</b> | WK7G       | KC2WUF     | <b>150</b>    | <b>145</b> |
| KX9X             | K9TVG      | WQ7F       | WA7NB      | KW4BY         | KD7YZ      |
| N5QGH            | N8CN       |            |            | N9LAH         | V31MD      |
| N8URE (FM19)     | NA2U       | <b>163</b> | <b>156</b> | VE3OAT        | VA3TTX     |
| N9ARX            | W0PE       | K2JF       | K2KJ       | W7APM         | WA4JA      |
| NP4BM            | W4IHI      | K2YSY      | N3RN       |               |            |
| W5AFD            | W4JKC      | N5XZ       | N9KO       | <b>149</b>    | <b>144</b> |
| WA5IPS           | WK3V       | OE6IMD     | VE7VDX     | AB6CF         | K0TLG      |
| WW2R             |            |            |            | IK7EOT        | K5TDW      |
|                  | <b>169</b> | <b>162</b> | <b>155</b> | K4SAN         | K6JRA      |
| <b>175</b>       | K6XC       | AF4GK      | CT1BWU     | KK9H          | K8MN       |
| IZ8FFA           | KD5OMJ     | K0QB       | K3TD       | W3UA          | K8WU       |
| K3MD             | N2BEG      | KA1R       | K6XN       | WB4VHF        | N9DI       |
| NE5TX            | N5XES      | KD4TDI     | N5RMS      |               | W5MPC      |
|                  | VE3HHT     | UW5ZM      | N7AU       | <b>148</b>    | WO7GI      |
| <b>174</b>       | W8KNO      | W9JJB      | N9OBE      | AC0DQ         | YV4NN      |
| K6WRL            |            | W9VS       | TG9ANF     | AG0A          |            |
| KC0IYT           | <b>168</b> | WA1Z       | VA3NQ      | K0RU          | <b>143</b> |
| KC6ZWT           | KG5ZMQ     | WB0WAO     | WV8DX      | K7IU          | K6JBH      |
| KG7P             | W2PD       |            |            | KB2YSI        | K9QFR      |
| KU0A             | W8WEJ      | <b>161</b> | <b>154</b> | N0TM          | KB8RJS     |
| N1MGO            | W9HT       | K0KVR      | AE4NT      | N1TOR         | W0HNM      |
| NA2NY (ex-NA1VT) |            | K4EA       | KB9VMW     | N5ZBI         | W0UHL      |
| NA6O             | <b>167</b> | KB3CWQ     | KW4OV      | PV8AJ         | WB0MMC     |
| W3SO             | K4MQG      | KK9M       | NZ6N       | W5DM          | WM5H       |
| WA2PNI           | KB1YNT     | N2YBB      | W3ZQN      | W6VNIQ (CM88) |            |
|                  | KB9REV     | V44KAI     | W4DWS      | WB6RAB        | <b>142</b> |
| <b>173</b>       | KE5EP      | VE3LC      |            |               | NA2X       |
| IC8TEM           | N0NHW      | W4HOG      | <b>153</b> | <b>147</b>    | NC4VA      |
| K2ZZ             | NO0T       | WA1LAD     | AA4NC      | AF6AV         | W5SWV      |
| K5YPV            | TG9ADQ     |            | AB4GG      | IZ1LBG        | WA5TKU     |
| KE4SCY           | W1BAT      | <b>160</b> | K7AD       | JR1BAS        | WS4V       |
|                  |            | AB1QB      | K7ZD       | K6PSP         |            |
| <b>172</b>       | <b>166</b> | JA1AFR     | N1OFZ      | KC1BUF        | <b>141</b> |
| AB9KZ            | JA3LZS     | K5IQ       | N2ADV      | N8IK          | K4AR       |
| K5ZED            | KC2GHT     | WL7OU      | N6DHZ      | VE3CX         | K9ATX      |
| KI4PKW           | N5VU       |            | W3DQS      | W4YCC         | KT8TD      |
| KJ6HI            | NA1VT      | <b>159</b> | W5FI       | W5WOX         | N9FIV      |
| VE2PN            | NC4RY      | G0OIL      | W9DHI      | WA0VPJ        | NV4B       |
| W4ABC            | VA3WEB     | K4MZ       | W9ILY      | WA3YGQ        | W4FS       |
|                  | WB4KXS     | NS7B       | WB5ZAM     |               | W4POT      |
| <b>171</b>       |            | W1EME      |            | <b>146</b>    | W6ZI       |
| AA4PB            | <b>165</b> | W4TTO      | <b>152</b> | K2GW          | WB9WHQ     |
| HP2AT            | K4DXT      | WB8NUT     | AA6I       | K8YTO         | WR7AY      |
| JA6RJK           | KD5HPT     |            | N0RC       | KB0YH         |            |
| KC5GSK           | W0RIC      | <b>158</b> | N1NUM      | KB5ZEA        | <b>140</b> |
| KC5YCH           |            | K8CR       | NU1T       | KC2TN         | AC5DK      |
| KI4TZ            | <b>164</b> | KI0D       | UT7QF      | KM5TY         | BA4SI      |
| NS3L             | K2SD       | N2CG       | WO4G       | N4HID         | CO2WF      |
| W1PX             | K5VWW      |            |            | VA2RC         | K7SAM      |
| W6IA             | KD0UHN     | <b>157</b> | <b>151</b> | VE1VOX        | KC0MEZ     |
| WA2KBZ           | KF9US      | K4FX       | W1ZT       |               | KC8TMU     |
|                  | W4CSW      | KB8GC      | W2DXE      |               | KJ4KVC     |

|            |              |            |              |               |               |
|------------|--------------|------------|--------------|---------------|---------------|
| N1EN       | LY3W         | NO8D       | <b>125</b>   | VE6PY         | KF6MXK        |
| N3VOP      | N4DB         | VE1DX      | AA7DK        | VE7JAC        | KI7BP         |
| NJ0U       | W6BXQ        | VE2TZT     | K3PU         | WD0GT         | KT8X          |
| VA3FLF     | WB8BZK       | W0PHX      | KC5DRI       |               | N1QDQ         |
| VE3KY      | WW2DX        | W2LES      | W2AJM        | <b>121</b>    | N3JNX         |
| W4GPM      | XE1H         | W3FEY      | W3UQH        | AE1P          | N5EIL         |
| W4TUN      |              | WA2SEI     | W4DFU        | K0MFI         | W2AC / WB2ABK |
| W6DQ       | <b>134</b>   | WB4YDL     | WA6POZ       | K4HBI         | W2AC/WB2ABK   |
| WA4KXY     | AB1NS        | WW5W       | WB4OMM       | KB2WAL        | WB2KSK        |
|            | AB4GE        |            | WE1P         | KB5MH         |               |
| <b>139</b> | C6ABB        | <b>129</b> |              | KE4JFS        | <b>117</b>    |
| KC7JPC     | GM4UYE       | 8P6ET      | <b>124</b>   | NE0P/9        | AB5J          |
| KM2O       | HK3W         | JF4VZT     | K0DLW        | UR0MC         | K4WS          |
| KU0G       | KE5FXE       | K0KD       | KB0HH (EM06) | W8DN          | N4USG         |
| N7T        | KF6UFO       | K5QWO      | KD5FTD       | WB9TFH        | N5JEH*        |
| NA2AA      | N3AIU (DN70) | KC8KSK     | KM1C         |               | N5LPT         |
| TF3JB      | N8GOU        | KF4NEF     | KT5MR        | <b>120</b>    | NA7L          |
| W4OV       | W4TKI        | KM5LY      | N0SL         | EA1YO         | NU6V          |
| WB2JIL     | WA3WZR       | KM5SC      | N8MR         | K2CYE         | W6WE          |
| WY0V       |              | N9WBR      | N9AZZ        | K4AU          | WA1TBV        |
|            | <b>133</b>   |            | PV8AAS       | K4CGY         | XE2PXN        |
| <b>138</b> | KA5ETS       | <b>128</b> | W1TAM        | KD0R          |               |
| AC0XY      | KC1RET       | JR2LJO     | W3KN         | KD4MZM        | <b>116</b>    |
| AI6O       | KE1VT        | KC7QAG     | W6SCQ        | KD5BRF        | EA4DEI        |
| KD7WPJ     | W0RT         | KJ6SDF     | W7YM         | KE4SCY (FM06) | K4RGN         |
| KE0A       | WI5D         | KN4DMN     | W9CDL        | N3YPJ         | KI6QDH        |
| KE3D       | WW7Q         | N1SFE      |              | VE1JC         | KU5B          |
| KE8RO      | XE2O         | NR1R       | <b>123</b>   | VE3XK         | N0VR          |
| KQ4KX      |              | W0WT       | AC7AF        | WA6RAY        | NO0B          |
| N3XH       | <b>132</b>   | W5ZO       | K9SM         | WD4OHD        | W0DHB         |
|            | AB3CV        | W8FR       | KB0GT        |               |               |
| <b>137</b> | K5VG         | WB2WEO     | KB0STN       | <b>119</b>    | <b>115</b>    |
| N1SZ       | KW4G         |            | KG6DHQ       | AE5AU         | K9AAN         |
| N5JGK      | N4PPH        | <b>127</b> | VE3TG        | K0AWU         | K9MMS         |
| SM7AED     | N7TP         | AA9RK      | W1HS         | K1ZN          | KE6TVM        |
|            | NE1I         | K3GYK      | W3DIY        | K2SQS         | KF0QS         |
| <b>136</b> | VE3TM        | K7UV       | W3SE         | K4MSG         | KF9AF         |
| K0XXX      | WN6K         | K8AC       | W4PRZ        | K7JIZ         | KM5FA         |
| K4SX       |              | K8OS       | W5EWF        | KF7PCL        | N7VGO         |
| KC5LK      | <b>131</b>   | KB3OZC     | W7MHW        | KP3V          | VK9DX         |
| KC9AXZ     | K3NAT        | KB9TLV     | W8BI         | KT0P          | WA3BZT        |
| KJ5RM      | KG9R         | KC0RQH     | W8KHP        | KW7N          | WC7V          |
| KV1E       | KT3X         | N6UTC      | WA8WV        | N4UPX         |               |
| NO1R       | N2CJ         | VE2JWH     | WB2RVX       | W0QC          | <b>114</b>    |
| W2JCN      |              | W1FLD      |              | W4SW          | AC8HU         |
| W4AVV      | <b>130</b>   | WA6BIL     | <b>122</b>   | W7QQ          | K3RTU         |
| W7UV       | AB0X         |            | K7AED        | WI4T          | KC4GCK        |
| XE2JS      | G4BWP        | <b>126</b> | K7OGW        | WM9M          | NF8M          |
|            | K0GUR        | KJ7G       | KA9JAC       |               | VE1WOW        |
| <b>135</b> | K4JKB        | N0BDS      | KB4UF        | <b>118</b>    | VE3IRR        |
| CU3EQ      | K8LG         | N7DGI      | KB5WFE       | J68AS         | W2JLK         |
| K4MWB      | KC4NX        | WB4HUC     | KC5UGX       | K4AZV         | W2ZQ          |
| K8ZIZ      | NG9R         | YL2AO      | N5HYV        | KA4LBD        | W4ALF         |

|            |            |            |            |            |           |
|------------|------------|------------|------------|------------|-----------|
| W4UFO      | N5TIF      | WB4PPW     | KC1LXO     | K9AM       | AI2S      |
| W5DWA      | N5YM       |            | KC2TR      | KA3ZLS     | AI9U      |
| WO2C       | W7JET      | <b>106</b> | KD9GKL     | KB8CR      | K2UA      |
| WX4US      | W7UP       | K0MEI      | KJ7OG      | KC6WFS     | K4UQC     |
| <b>113</b> | <b>109</b> | K5BJW      | KM6WXB     | KC8DMN     | K5GM      |
| AB4PM      | AK6ZZ      | K7BWH      | KO4LZ      | KD8NYO     | K5KV      |
| AD5MD      | IW1ARB     | K7JE       | N0STP      | KE1AU      | K8IJ      |
| HB9BZA     | K2DSW      | KB0TIJ     | N1LDY      | KJ4M       | K9CC      |
| K3DQB      | K2JGL      | KC7ICM     | N2FBQ      | KR5V       | KB9ZLB    |
| KD4BPZ     | K2OO       | KE5JXC     | N3UPS      | N1HOQ      | KC2HLI    |
| KD6VCD     | K5DNL      | KJ6MBW     | N7AGF      | VE7ZD      | KC8CC     |
| KM5OL      | K9GY       | KK2DOG     | NJ1H       | W4RVZ      | KC9CMT    |
| N3JDQ      | KE6GLA     | N0RQ       | VE2PIJ     | W5DPT      | KD3SW     |
| N4YCI      | KJ6CA      | N1USB      | W1TE       | W5OV       | KE5CVM    |
| N5YK       | KZ7N       | N2IPH      | W1ZE       | W7UT       | KF0Q      |
| W0BM       | N8TMW      | N4CE       | W4KVS      | W9NFL      | KG5X      |
| W8MSP      | N9TTX      | N5FPW      | W6ZQ       | WA4IOB     | KJ5OA     |
| W8VW       | VE3AAQ     | N5YHF      | W9EBK      | WA8EQP     | N3TBB     |
| WD0ENC     | W0YJT      | N8HM       | W9MDB      | WB5FDP     | N4NIA     |
| WU3U       | W1OP       | N9XMU      | WB2VUO     | <b>101</b> | N5RZK     |
|            | W4ZRZ      | VA3OKG     | WB8BZK/VE3 | AE7V       | N5XTR     |
| <b>112</b> | W5MPC/1    | VE3AJY     | <b>103</b> | AI5WW      | N7EME     |
| K2MLS      | W7RJR      | WB6VYH     | AA5CK      | K0IN       | N8COP     |
| K3GD       | WB6YIY     | WQ9F       | AB0YM      | K0SBV      | N8XS      |
| K5WTA      | WB9W       | <b>105</b> | AB5SS      | K0WJ       | VP2MRM    |
| KA7T       |            | AC4Q       | K2OY       | K2NUD      | W2CH      |
| N5HMH      | <b>108</b> | DS4EOI     | K4MVL      | K5DWI      | W4/KL7GLL |
| W1TR       | CF3VRQ     | K4SJA      | K8ZEE      | K5HX       | W4OZK     |
| W5DQ       | JA9IPF     | K9MAL      | KA1W       | K7SYS      | W8BZY     |
| W6OAT      | JP7EIP     | KB3JGS     | KB0FHP     | KB1JDX     | W9DQ      |
| W7IV       | K5OPB      | KC0JYT     | KB2SGX     | KB4KBS     | WA5TLP    |
| W9PN       | N3MWQ      | KC4KK      | KC9FFV     | KC6AWX     | WV9E      |
| WA8TWM     | VE3SUB     | KF4DGS     | KF0AIJ     | KC8CSD     | <b>99</b> |
| WG3K       | VE7IG      | KJ7TH      | KF4DVG     | KG8WB      | AB0SD     |
| WX3P       | VY2RU      | N4NQY      | KR4NO      | KG9IL      | AB3TM     |
| XE1GK      | W4AMP      | N5SAN      | N0YXE      | KL2R       | G4FKA     |
| <b>111</b> | W4CRN      | N7YY       | N1JIF      | KR4WM      | K0YO      |
| K8BB       | W5AAJ      | NE9O       | NF6P       | KR7LD      | K4KEW     |
| N0SLT      | W8EH       | PU4JOE     | NN2D       | N1IX       | K4WQ      |
| PC3T       | W9VNE      | VE3VRQ     | VE7DXG     | N4AOE      | K4ZO      |
| W8GBH      | <b>107</b> | W8MIL      | W0TF       | N8VEA      | K5VPQ     |
| WZ8P       | JA3EGE     | W9RVG      | W3LEO      | N9DVS      | K7DD      |
| <b>110</b> | K5UIC      | WA4MYO     | W6IT       | ON9CMR/WO  | K7PAP     |
| K5KR       | KF7PG      | <b>104</b> | W6XU       | VA2LGQ     | K9ZZE     |
| K7LD       | KI9A       | AB9YC      | XE1RBV     | W4LLP      | KA0ZEE    |
| KD5J       | KK4LUM     | AC5K       | <b>102</b> | W5KBD      | KC2IEB    |
| KI0F       | N3TTT      | AC5RN      | AA9MY      | W7ISG      | KC6X      |
| KP4JRS     | N9OI       | AC9QR      | AB8JH      | WB8IMY     | KD4MWO    |
| KQ4LA      | NF0T       | IK4DRY     | AD6KH      | WD5IYT     | KD6RUH    |
| KX5U       | US0KW      | K5PPP      | K0HAQ      | <b>100</b> | KG9AP     |
|            | W2TTT      | KB9RNO     | K3HW       | AC0FT      | KR4UA     |
|            |            |            |            |            | M5MYH     |

|             |              |           |           |           |           |
|-------------|--------------|-----------|-----------|-----------|-----------|
| N4FV        | WD0E         | K4EQH     | N3WAV     | N0LNE     | KE6AZX    |
| N7HRT       | WH6LR        | K5CRJ     | N4ET      | N0LP      | KE6UMW    |
| N7JPF       | WT5H         | K8EMR     | N5BLY     | N2SU      | KE8RPJ    |
| N7TE        | WV5Y         | K9OT      | N5ENU     | N3JBH     | KI0J      |
| N8GHZ       |              | KA2NDX    | N5KI      | N3XBG     | KK7MNC    |
| N8YV        | <b>97</b>    | KA3HED    | N9IV      | N3YUG     | N2BX      |
| N9MKC       | AB8M         | KB5GI     | N9LJX     | N5ZMP     | N2YTF     |
| NB5R        | AJ9C         | KB8PNS    | OE9KFV    | N6HY      | N3AO      |
| NH6CJ       | K0HB         | KC0HBP    | PY2KP     | N6MXU     | N3ZBK     |
| NI5W        | K0JQZ        | KD6PY     | VA3KS     | N7NH      | N4GOA     |
| NS2P        | K0QEI        | KI5TE     | VA3PZ     | N7UN      | N4YHC     |
| VE2HAY      | K0SH         | KM5NU     | VE3KZ     | N8WWM     | N7EGY     |
| W2HOG       | K0YQ         | KR4EE     | VE3SPW    | N9DD      | N7JI      |
| W2VU        | K3HZO (FN20) | KS4V      | W4YZJ     | N9UNX     | N7KSI     |
| W5JLC       | K4GTR        | KT5RR     | W5ADA     | VA3MA     | NA9D      |
| W6TJU       | K4JQU        | N0WVU     | W5CBF     | VE3RX     | VA3JFF    |
| WA5TRX      | K8XF         | N2LID     | W5RCQ     | VE5MX     | VA7QI     |
| WB5NHX      | KA2BSK       | N2VHZ     | W7JWC     | VE7AB     | VE3WMD    |
| WB7VVD      | KA7EII       | N2XK      | W9SX      | W2GR      | VK5PJ     |
| WK5X        | KC0YBM       | N8PAQ     | WA2ONK    | W3IPA     | W0MHK     |
| WW2R (EL09) | KD5CKP       | N8YBY     | WA3I      | W3TA      | W2VTV     |
|             | KF4KSN       | NT2A      | WA4WR     | W4LNG     | W3ZGD     |
| <b>98</b>   | KM4NYI       | NW5Q      | WB2SIH    | W5ODD     | W4VG      |
| AC2RL       | KT5WB        | NY2Z      | WD8DOT    | W5PUF     | W5DMT     |
| AD8Y        | N1VMJ        | VE2DCP    | WS4S      | W7NX      | W7EIR     |
| K0KC        | N3UMA        | VE6RGU    | XE2AT     | WA7LHZ    | W7TRX     |
| K0UD        | N4BH         | W1HMM     |           | WA9BXB    | W9IFW     |
| K3IXD       | N6MA         | W3VHF     | <b>94</b> | WT9U      | W9NED     |
| K3QIA       | N9APK        | W4KK      | AA4RP     | WV2I      | W9WI      |
| K4OP        | N9IO         | W4TMR     | AB4VT     | WV7S      | WA5ICA    |
| K5HOB       | N9KY         | W7JHS     | AD1DX     |           | WB5CON    |
| KA1EKR      | NK7C         | WA3EEC    | AK8CW     | <b>93</b> |           |
| KE4LGL      | NU0Y         | WB5KJE    | HK4SAN    | AG2A      | <b>92</b> |
| KG4YOU      | NV3K         | WP4LNY    | K0ARM     | AG6CV     | K1EY      |
| KG7E        | VA3FIN       |           | K3BEE     | AI8F      | K5GDX     |
| KJ2G        | W3QT         | <b>95</b> | K3TUF     | IZ4DPV    | K5TDA     |
| KK0CQ       | W4CWA        | AB9AI     | K4JRK     | K0IW      | K7FU      |
| KY0Q        | W4DAS        | AE0G      | K4LDC     | K0RM      | K7HKR     |
| N0JJQ       | W4ID         | AE5EO     | K8GT      | K1PTF     | K7UWR     |
| N1JHJ       | W7DN         | IK8YTA    | K9DOG     | K1ZK      | KB0PQP    |
| N3LRP       | WA6OSX       | K1PNQ     | K9SUL     | K2AK      | KC4JNW    |
| N5TEY       | WA9LEY       | K4ED      | KA2F      | K2MTS     | KD4QMY    |
| N8AID       | WB8RVK       | K8KFJ     | KA9UVY    | K4DAM     | KE4WBO    |
| NO5X        | WB8ZTV       | K8ME      | KB4YKC    | K5TRI     | KG4URP    |
| NO8R        | WE8L         | K8VD      | KB7AK     | K6RM      | KR7X      |
| VA3VF       |              | KD7WH     | KC0AU     | K7IP      | N2SG      |
| VE4XTZ      | <b>96</b>    | KD8DR     | KC3AK     | K7TRK     | N3GH      |
| W2KRP       | AD5OW        | KD9ZR     | KD4VRZ    | KB0USF    | N4VN      |
| W6TE        | AE4TQ        | KI0SK     | KE3WM     | KC5TGT    | N5QO      |
| WA2FGK      | AK4F         | KW9U      | KF0LA     | KC5TT     | N6FD      |
| WA3TLT      | K2CK         | N1XK      | KG4NLZ    | KC9TTR    | N6RPM     |
| WB1GQR      | K2UF         | N2SLO     | KU4JZ     | KC9UL     | N7DED     |
| WB2YDS      | K2UNK        | N2WLS     | KV3W      | KD0QG     | NS6E      |

|           |              |           |           |           |           |
|-----------|--------------|-----------|-----------|-----------|-----------|
| UT5JAJ    | WB0NRV       | KF4TVL    | N4KIN     | VA7LM     | K8SIA     |
| W1PV      | WB7X         | KI0G      | N4UC      | VE7IRU    | KB3HHA    |
| W2ACY     | WC4V         | KI4FW     | N5VBK     | W8IW      | KB9LIE    |
| W2CVW     | XE1GZU       | KI4US     | NS3X      | WA1PMA    | KK7BV     |
| W3ACO     |              | KR4U      | NT4TN     | WB4GCS    | KU4WW     |
| W3GP      | <b>90</b>    | N2GZ      | VE2VLJ    | XE2AU     | N5PD      |
| W3HZU     | AA0LM        | N5KAE     | W2BZR     |           | N6KTH     |
| W4BP      | AB4WL        | N8YSZ     | W3YX      | <b>85</b> | SV2AEL    |
| W4LIA     | AB9DU        | N9RG      | W4DL      | AC3KE     | TG9AKH    |
| W6NS      | AF5BG        | N9UDX     | W4RXR     | AC9GK     | W7USB     |
| W8JV      | DL1SMA       | NE2U      | W7HDD     | EI3IO     | WD6T      |
| W9HBH     | JH4JNG       | VE3VCF    | WA2BTR    | K1UU      | WD9IOK    |
| WA3JKB    | K1HC         | W0HRO     | WA5MD     | K4LRP     | WI6Z      |
| WA4EEZ    | K1KA         | W1HY      | WK3N      | K5MJP     | XE1MM     |
| WG8E      | K3CWF        | W2JEK     | WV8O      | KB3MXK    |           |
| WM3O      | K3UAL        | W2OK      | XE1SOV    | KC0V      | <b>82</b> |
|           | K4AAP        | W4ZMM     |           | KE4DRF    | AD4IE     |
| <b>91</b> | K4FTP        | W6VNQ     | <b>87</b> | KK4AND    | CB0ZA     |
| AA0CW     | K4XZ         | WA7SDI    | AC0A      | N2RJ      | K3RJK     |
| AD3Y      | K6UIP        | WB3IAL    | AG4I      | N4LS      | K4JMX     |
| CO2WZ     | K8EAB        | WM6Y      | K4JC      | NJ1Q      | KA5WSS    |
| HB9ALO    | KA5TJI       | WQ5C      | K5UZ      | NM4SH     | KC5YKX    |
| K0CFI     | KB5FHK       | WR5AY     | K5WO      | VE3GFN    | KG4KVZ    |
| K1UR      | KB7BSA       | XE2NL     | KB1VUN    | VE7DAY    | N1SF      |
| K4SPA     | KK4DZP       | XE3DX     | KC8NAH    | W1WV      | PU8TEP    |
| K6YK      | KW3DX        |           | KE6WOX    | W3STU     | W5DAS     |
| K7HPN     | N2ULL        | <b>88</b> | KI6RRD    | W4IT      | W7YOZ     |
| K8OI      | N4BRF        | AA4QE     | N0ELA     | W4RA      | W8GG      |
| KB2YWU    | N5BA         | AE0DX     | N2CJN     | W6ST      | WA2ONG    |
| KB3IAI    | N9JJ         | AE4OF     | NE5S      | W7SIR     |           |
| KB3NDS    | VA3XOV       | AF4MI     | NI5F      | W8DQ      | <b>81</b> |
| KB7AZ     | W9CPV        | K1RS      | NN7RM     | W9QY      | AB4I      |
| KC5POV    | W9CSY        | K3TN      | W8GOC     | WA4WKL    | DF3CB     |
| KC8LGL    | WA2BEV       | K4XD      | WB3IGR    | WD4LSS    | KE4DZU    |
| KE1IU     | WA8OJR       | K7CTV     | WB8JAY    | WF4R      | N6MM      |
| KE7RTB    | WD9HCF       | K7WV      | WF4W      |           | N7NEV     |
| KG4QWC    | WE7H         | K7ZYV     |           | <b>84</b> | NI4Y      |
| KI3O      | WEST SEATTLE | K9MA TEUR | <b>86</b> | CT3FT     | W3MC      |
| KI5BLU    | WH6LE        | KB2KIR    | AG1T      | DS2JJV    | WA4ZXV    |
| KM7N      | WM7C         | KC1GWX    | K7FB      | K4EZY     | WA8ZNC    |
| KM9I      | WT4C         | KC3MLC    | KA9OKH    | KE6NDG    |           |
| KQ6K      | XE3/K5ENS    | KE8UM     | KB7JJG    | N1KI      | <b>80</b> |
| N3PPH     |              | KI2D      | KI6HQT    | N2NWS     | AC6BW     |
| N3WCM     | <b>89</b>    | KI4RFM    | KN4MMH    | VE2WBK    | K7FR      |
| N6DW      | AB1TZ        | KJ4KW     | KP4TB     | W8PU      | KE4PT     |
| N7CZ      | AG2AA        | KQ4AJI    | KT1R      | W8SGR     | KR4Q      |
| N8DEZ     | AG7NR        | KU4S      | N2NF      | ZS6NK     | KW1DX     |
| NR4J      | G4NBS        | N0OK      | N3MVF     |           | N2NS      |
| NU4N      | JQ1TIV       | N1CEO     | N8TFD     | <b>83</b> | VY2HF     |
| VA2BBW    | K4BMM        | N2MKT     | NZ3O      | AA6E      | W2DEN     |
| W2SUB     | K5CX         | N2ZN      | SV1RK     | DL5XJ     | W5TTY     |
| W4MLN     | K5JAZ        | N4CAG     | UT9FJ     | K1LH      | W7AM      |
| W5KDA     | KA0MWA       | N4GN      | VA3MDB    | K4SQC     |           |

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>79</b><br>JF1LMB<br>K4RW<br>K5JBT<br>KB4DSL<br>KP4N<br>N2COP<br>N5YJZ<br>N9RC<br>VE3CFK<br>W2GW<br>W2SKI<br>WN0L | WC6DX<br><br><b>73</b><br>JF1IRW<br>VP2MJD<br>W4WT<br><br><b>72</b><br>N4II<br>PV8ADI<br><br><b>71</b><br>K0GW<br>K4GK<br>K5WPN<br>NP4TT<br>W2YR<br>W3FGP<br>WC5M<br><br><b>70</b><br>GI4SJQ<br>K4BNC<br>KC0ZRX<br>N6GEO<br>W2QO<br>W4GP<br><br><b>69</b><br>K3WGR<br>W1YM<br>WD4LBR<br>YL2JZ<br><br><b>68</b><br>AA4S<br>EH7CD<br>K6CF<br>KJ7TEA<br><br><b>67</b><br>JG2TSL<br>KF4JHG<br>KK4YEL<br>W7YED<br><br><b>66</b><br>K6KLY<br>UX1UA<br><br><b>65</b><br>JA1XEC<br>K4IM | K5EJ<br>N7UJJ<br>OK1MP<br>W4CCS<br><br><b>64</b><br>K3BQ<br>WD5GRW (EM13QC)<br><br><b>63</b><br>EA1DR<br>HL2EIZ<br>KB0RFY<br><br><b>62</b><br>K4DXA<br>N6ZDH<br><br><b>61</b><br>CU3AN<br>K4MLB<br>N0GVK<br><br><b>60</b><br>HB9BIN<br>KP4JFR<br>S55DX<br>UR9QQ<br><br><b>58</b><br>KC6NBI<br>SV8CS<br>WA2MUA<br><br><b>57</b><br>IK1ZOF<br>JL1UXH<br>JL3MCM<br>N5LJL<br>WD5GRW<br><br><b>56</b><br>HB9HIT<br>KI5WA<br>LU8ADX<br>NI6T<br><br><b>55</b><br>LA3MHA<br>SP5APW<br>WA2EMF | <b>54</b><br>AG4KI<br>JR2SQZ<br><br><b>53</b><br>K0BBC<br>PP1CZ<br><br><b>51</b><br>CT1ETE<br>N8OFS<br>OH4UI<br>VE9FCP<br><br><b>49</b><br>HB9RUZ<br><br><b>48</b><br>G8BQX<br>HL2IFR<br>JA9KRO<br>K0BBC/R<br>KI5KC<br>N6DBF<br>NP3IR<br>YL3HA<br><br><b>47</b><br>HB9RYZ<br>JE1VTZ<br>N6PAZ<br><br><b>45</b><br>JA6WJL<br>K4TXJ<br><br><b>44</b><br>DM2RM<br>WO3T<br>XE2YWH/1<br><br><b>43</b><br>8P6SH<br>CT1EEN<br>HB9AOF<br>K4ZIN<br>LA6OP<br><br><b>42</b><br>HA5PT<br><br><b>41</b><br>E75AA | <b>40</b><br>JR0QFA<br>WB8TGY<br><br><b>39</b><br>AA5PK<br><br><b>38</b><br>DD3KF<br>DG7RO<br>DU1EV<br>HL4GAV<br>K8YSE<br><br><b>37</b><br>BA7NQ<br>DS4AOW<br>HL4CJG<br>JA9APS<br>JH9DRL<br>OE3SGU<br><br><b>36</b><br>JA1WSK<br><br><b>35</b><br>GI4OWA<br>LU9DO<br>UR5WA<br><br><b>34</b><br>G4SEU<br>JL3LSF<br>LA2QM<br><br><b>33</b><br>W8GC<br>WB4SON<br>WB8TGY (EN72)<br><br><b>32</b><br>N3LRH<br>SM6WET<br>ZL3TE<br><br><b>31</b><br>K7TM<br><br><b>30</b><br>E72X<br>JO7WXN<br>WA6DNR | <b>29</b><br>HL2WA<br>OE4VIE<br><br><b>28</b><br>CT8/K0RUI<br>E70A<br>JA6CRP<br>JR7ILA<br>K0FMI<br>OH3DP<br><br><b>27</b><br>KC9ELU<br>WP4NIX<br><br><b>26</b><br>WB7QXU<br><br><b>25</b><br>EA4/K1WE<br><br><b>24</b><br>EI2JD<br>F1RAF<br>F4BDG<br>HB9G<br>KS4YX<br>ON6AB<br>PA7TWO<br><br><b>23</b><br>GM4ILS<br>K4SLC<br>KP4EIT<br>W8MK<br><br><b>22</b><br>9H1SP<br>IZ3ENH<br><br><b>21</b><br>EA1YN<br><br><b>20</b><br>CX1FK<br>I1FQH<br>JM1KVVW<br>N1WC<br>PY5EW<br>W8LR |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|              |           |           |               |                 |        |
|--------------|-----------|-----------|---------------|-----------------|--------|
| <b>19</b>    | F4ESV     | JJ2NWI    | VK4ZP         | K4KZM           | PU5SVE |
| DL1TS        | HB9DDZ    | N8RO      | XE1SAX        | K7LY            | SM3GBA |
| EA6BB        | IK2RPE    | OH8LXT    |               | KEN IN NEBRASKA | SM6LPG |
| JE2UFF       | JK1UNZ    |           | <b>3</b>      | LA2CQ           | SP7EXY |
| JJ4WAO       | JN1RQV    | <b>7</b>  | DJ5AV         | OH3KAV          | SQ5NRY |
| JR3UIC       | N1IW      | DL1TRK    | DL2KQ         | SV1XV           | UN8G   |
| PY2HN        | ZS6WB     | G8APB     | EA1AR         | SV3FUO          | UR5EDX |
| SP8NR        |           | GM4KHE    | EA4D          | YB2DX           | VR2VGM |
| VE6TA (DO31) | <b>11</b> | IZ0INX    | G3LHJ         | YL2KF           | WB7VUF |
|              | A65BR     | JA2NDQ    | G4DDL         |                 | YO8WW  |
| <b>18</b>    | DL2OE     | LA3DV     | HA9PP         | <b>1</b>        |        |
| AJ6V         | EA4DAU    | N5ORT     | HL2ZN         | 3A2MW           |        |
| KJ4EU        | EA4ZK     | NJ4Y      | IK0WRB        | 9A2EY           |        |
| W0HBH        | G4CTY     | UR5FEO    | IK8EPC        | AJ6T (EM66)     |        |
|              | IZ4GWE    | ZS4TX     | JJ1CHH        | BD4UJ           |        |
| <b>17</b>    | JA2KVB    |           | JM1GHT        | CT1AHU          |        |
| G3LZQ        | JA6QHJ    | <b>6</b>  | JN1BPM        | DH8BQA          |        |
| PY2XAT       | KA5WRG    | CT2FEY    | JR6IQI        | DJ3ZF           |        |
| SP5XMU       | PY2DV     | DU0A      | KC0Y          | DL2DCX          |        |
| SV8CKM       | PY2GM     | EI2JC     | PY5IP         | DL4ZAB          |        |
|              |           | JA7NGE    | SA7CJO        | DL8GAM          |        |
| <b>16</b>    | <b>10</b> | PY2VA     | SV1VN         | DS5DNO          |        |
| N6VHF        | DL4CF     |           | US0YA         | DS5TOS          |        |
| TI2CDA       | HB9BOS    | <b>5</b>  | W1CBY         | EA2AA           |        |
|              | JH7IMX    | DL5LH     | WD9EWK (DM43) | EA3WD           |        |
| <b>15</b>    | JH8RZJ    | EA1AAA    | YB1TJ         | EA4GQS          |        |
| 9K2BM        | JJ2UDK    | EA7ZY     | YL2CA         | F1VEV           |        |
| EI2GLB       | PA5KT     | G6MXL     | YL2MU         | G4CFS           |        |
| HB9FMN       | SV2DCD    | IK8GYS    |               | G4VSS           |        |
| LU5FF        | TF3Y      | JJ5USJ    | <b>2</b>      | G7SQS           |        |
| PY2RN        | UR7DWW    | JJ1IDW    | 5B4ALJ        | G8TTI           |        |
| UT3UA        |           | M1VPN     | 6K5XZE        | IK5BSC          |        |
| WC2C         | <b>9</b>  | MU0GSY    | 9A2GA         | IW0AFS          |        |
|              | DL7BA     | OK1IN     | 9K2NO         | IZ0BTV          |        |
| <b>14</b>    | EB1EWE    | ON5UE     | BV6CC         | IZ2CSX          |        |
| EA8MT        | EC7ZK     | PP2RON    | CO6CBF        | IZ3DBA          |        |
| IW3GJF       | G6BFP     | SK6QA     | DF3VG         | IZ5FSA          |        |
| JA2XCR       | HB9GWJ    | VE2NGH    | DF8FT         | JA1GZK          |        |
| KB8DVT       | IK3ITB    | VR2XMT    | DK1CO         | JA7DPC          |        |
| PA7RA        | JA1MZL    | W1ZR      | EH4BPJ        | JA7VXB          |        |
| PV8RR        | JA2FGL    | W2ZF      | ES8JX         | JH8XVT          |        |
| PY2OC        | JE1LFX    | YL2CZ     | F5TMJ         | JJ1HNC          |        |
| W9TTY        | KD3UY     |           | G0THY         | JJ1PFC          |        |
|              | S51NM     | <b>4</b>  | G8GNI         | JL2ULM          |        |
| <b>13</b>    |           | CT7/RC2A  | G4ONL         | JN3ONX          |        |
| JA2LWD       | <b>8</b>  | DD6UAH    | IK1IYU        | KC3KJQ          |        |
| K4AKX        | DF1ZN     | EK/RX3DPK | IK2GOQ        | KG4JSZ          |        |
| K4WY         | DH0GSU    | F1DFR     | IZ8XQC        | KH6WI           |        |
| PY2MC        | DK2LO     | GM4CFS    | JA6AVT        | KP4DER          |        |
| W4PWF        | G1VDP     | IV3GOW    | JA6SZV        | MM0INH          |        |
|              | JA1CPU    | JH7IPR    | JA9FAI        | OK1UU           |        |
| <b>12</b>    | JE3PCP    | JK6DXD    | JH3MHI        | ON6NA           |        |
| EA3GP        | JG1JPE    | UT5EL     | JP1HDK        | OZ1IKY          |        |