

## 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 Jul 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> | ND0B       | KX4R       | <b>479</b> | KB6NAN     | <b>456</b> |
| AA0MZ      | W0FY       | KY7M       | W5WVO      | WB9CIF     | AJ4A       |
| AA5AM      | W0JW       | N0KE       | W9RN       | WX7M       | N4QS       |
| AA5C       | W0LGQ      | N7KA       |            |            |            |
| AA7A       | W3CP       | W5ZN       | <b>478</b> | <b>465</b> | <b>455</b> |
| AI5I       | W4UDH      | WD5COV     | AD1C       | XE2K       | K9MK       |
| K0GU       | W5ADD      |            | AE5B       |            | WA9DU      |
| K1TO       | W5AFY      | <b>485</b> |            | <b>464</b> |            |
| K1TOL      | W5AJ       | K9MU       | <b>477</b> | AJ4F       | <b>453</b> |
| K4PI       | W5EME      | N0POH      | KC7V       | KB9OWD     | K3SX       |
| K4XO       | W5FF       | W5VY       | N5KO       |            | K4YMQ      |
| K5RK       | W5KI       |            | N7ZO       | <b>463</b> | K7PI       |
| K5UR       | W5OZI      | <b>484</b> | NC6K       | K4MY       | KB9DAK     |
| K5WE       | W7GJ       | AD6D       | W6XK       | W5XC       |            |
| K7CW       | W7JW       | AF5CC      |            |            | <b>452</b> |
| K7ULS      | W7KNT      | AI1K       | <b>474</b> | <b>462</b> | N5BO       |
| K8SIX      | W7MEM      | WQ0P       | K7KQA      | K6ZH       | N9BX       |
| K9CT       | W9FF       |            |            | N6ORB      | NE1B       |
| KA9CFD     | W9JN       | <b>483</b> | <b>473</b> | W5THT      |            |
| KA9FOX     | W9RM       | AC0RA      | NQ7R       |            | <b>451</b> |
| KD5M       | W9XX       | K1USA      | WB0O       | <b>461</b> | K5RT       |
| KG5CCI     | WD5K       | N5WS       |            | N4JQQ      | K5WBM      |
| KM0A       | WQ5S       | W0VTT      | <b>472</b> | NA9RB      | KD3CQ      |
| KM0T       | WS9V       | W5TRL      | KB7ME      |            |            |
| KO9A       |            | WB0ULX     | ND4X       | <b>460</b> | <b>450</b> |
| KR7O       | <b>487</b> |            | WD8JJA     | K5OMC      | K8ZM       |
| KV5W       | K0SIX      | <b>482</b> | WE9R       | KF0M       | KF8MY      |
| N0LL       | K0TPP      | K0BJ       |            | W3UR       |            |
| N0LWF      | K7MAC      |            | <b>470</b> |            | <b>449</b> |
| N0PB       | K9YY       | <b>481</b> | WO7R       | <b>458</b> | KF6HI      |
| N0TB       | N0AKC      | KC7QY      |            | K9NW       | N8OC       |
| N1AV       | N7CW       | N4WW       | <b>468</b> | KG5THG     | W8TN       |
| N3SL       | N7IR       | W9VHF      | N5EKO      | N9BCA      | WB7CJO     |
| N3XX       | N9ISN      | WA7HQD     | VE3EK      | NA6MG      |            |
| N5DG       | NA6L       |            |            |            | <b>448</b> |
| N5NA       | W3IP       | <b>480</b> | <b>467</b> | <b>457</b> | KP4AJ      |
| N5OMG      | XE2CQ      | K5GZR      | NY0V       | K4HB       | W3LPL      |
| N6JV       |            | N4TB       |            | N9PGG      |            |
| N7NW       | <b>486</b> | XE2OR      | <b>466</b> | NI0G       | <b>447</b> |
| N9LB       | K5ND       |            | K4SO       |            | AH0U       |
| N9UM       | K7BG       |            | KA0JGH     |            | KS7S       |

|                                                |                                                |                                                       |                                                       |                                                      |                                                    |
|------------------------------------------------|------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|
| N2NL<br>N4SC                                   | <b>435</b><br>KF6A                             | <b>418</b><br>NZ3M                                    | <b>406</b><br>AK3E<br>K6FG<br>K8EB<br>N4UFO           | KF7CQ<br>NP4EI/W7<br>WB4EVH                          | <b>384</b><br>K8ROK<br>N2WK                        |
| <b>446</b><br>K1HTV<br>K6EID<br>N8YO<br>WB8ZBT | <b>434</b><br>K1SIX<br>VE3LYC                  | <b>417</b><br>NJ6D                                    |                                                       | <b>394</b><br>AA5JF<br>K6RO                          | <b>382</b><br>K5PI<br>VE3YXO                       |
| <b>445</b><br>K4XP<br>KU7Z<br>N4LR<br>WA1EAZ   | <b>432</b><br>K6G XO<br>N6KK                   | <b>416</b><br>K4RWP<br>K7ND<br>KO4MA<br>NI0P          | <b>405</b><br>AA4SC<br>K3FRK<br>K5CKS<br>NE9U<br>W0MU | <b>393</b><br>K1GG<br>K7XC<br>KV7N<br>WR7X           | <b>381</b><br>AG4W<br>W3VZ                         |
| <b>444</b><br>N7BAV<br>W9WO                    | <b>431</b><br>K0TLM                            | <b>415</b><br>K7AWB<br>W0GJ                           | <b>404</b><br>N2ZX<br>VE4EAR<br>W5SUM                 | <b>392</b><br>AB4SF<br>AF4HX<br>W6OMF                | <b>380</b><br>K7MCX<br>NE6I<br>WA5LFD              |
| <b>443</b><br>AB4IQ<br>K5XI<br>N4MM            | <b>430</b><br>K1TEO                            | <b>414</b><br>AA1ON<br>K0DEQ<br>N0GZ<br>W4TV          | <b>403</b><br>NH6T/W4                                 | <b>391</b><br>AD5A<br>W4AVY<br>W6TMD                 | <b>379</b><br>AB9BH<br>N8WNA                       |
| <b>442</b><br>AG9S<br>N2QT<br>N4TL             | <b>429</b><br>K4ZOT<br>K8ZR<br>WA5JCI          | <b>413</b><br>AE5FM<br>WA9LFO                         | <b>402</b><br>K3FM                                    |                                                      | <b>378</b><br>AB4EJ<br>KR4BD                       |
| <b>441</b><br>K8TB<br>K9KLD                    | <b>428</b><br>K9APW                            | <b>412</b><br>VE2XK 6M FN07400                        | <b>401</b><br>K4CKS                                   | <b>390</b><br>KZ2I<br>W7FI                           | <b>377</b><br>AB1OC<br>NT9E                        |
| <b>440</b><br>W2IRT                            | <b>427</b><br>W0RH                             | <b>411</b><br>N9EAT                                   | <b>400</b><br>K2TER<br>KT8O<br>W0JRP<br>W3UUM         | <b>389</b><br>W5MO                                   | <b>376</b><br>K8GI<br>K8V FV<br>N3OC               |
| <b>439</b><br>K8ROX<br>N4QWZ<br>NM5U           | <b>426</b><br>N5OK<br>W5JAY                    | <b>410</b><br>KB0V<br>KE7SW<br>KE8KMX<br>K18G<br>N4HN | <b>399</b><br>NN4R                                    | <b>388</b><br>K0IP<br>W4WRL                          | <b>375</b><br>K6QG<br>WB4OQX                       |
| <b>438</b><br>N5TJ                             | <b>425</b><br>K6ML                             | <b>409</b><br>N1EVK<br>N5SYV                          | <b>398</b><br>N8IEZ<br>W1NG                           | <b>387</b><br>AC9DX<br>KV4T<br>N0FJP<br>N4CH         | <b>374</b><br>K0TT<br>KV7K<br>N6GP<br>N7DB<br>NY1V |
| <b>437</b><br>KK4MA<br>W3LL                    | <b>424</b><br>N4UFP<br>N9AKR<br>W3EP<br>WB8BPU | <b>408</b><br>K7SMA<br>W7BA                           | <b>397</b><br>KE4TH<br>KI0E                           | <b>386</b><br>KF9UG<br>N7IJ<br>W5TFW<br>W7AH<br>WE4S | <b>373</b><br>K4SSO                                |
| <b>436</b><br>N9FN<br>W3TC<br>WB8ART           | <b>423</b><br>W4DR                             | <b>407</b><br>K8JH<br>W4AS<br>W5CIA<br>W5PR           | <b>396</b><br>K6VHF<br>KB8U<br>WA1NLG                 | <b>385</b><br>K7XB<br>NK1K<br>VE6MB<br>W4WTA         | <b>372</b><br>JA7QVI                               |
|                                                | <b>422</b><br>VE6WQ<br>WB5JID<br>WW1L          |                                                       | <b>395</b><br>AA5XE<br>K0AZ<br>K5XM                   |                                                      | <b>371</b><br>AA4ZZ                                |
|                                                | <b>419</b><br>K7NN<br>W0GN<br>W5AL             |                                                       |                                                       |                                                      |                                                    |

|                                                              |                                                |                                                        |                                                                                                             |                                                                        |                                                                 |
|--------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------|
| N3PS<br>NK0S<br>WA6BYA                                       | <b>360</b><br>K6UM (CN85)<br>W0NOZ             | <b>346</b><br>N9XG<br>W8OP                             | VA2WA<br>VE3XN<br>WO9S                                                                                      | <b>329</b><br>AA1QD<br>N2JJ<br>W2OR<br>W8WG<br>W9DCT<br>WB4KTF<br>WX4G | VA6SZ<br><br><b>321</b><br>N0LD<br>NC7B<br>NS4C<br>W9VA         |
| <b>370</b><br>K5TN<br>KN4SM<br>KS4YT<br>N3MK<br>NT0V<br>W4FC | <b>359</b><br>AA4FF                            | <b>345</b><br>AA8SW<br>VE7BV<br>W3XY<br>XE2YWH         | <b>335</b><br>AK0MR<br>K0VG<br>K5FUV<br>K5FZ<br>K9QVB<br>KB4MRX<br>KM3V<br>KN4NN<br>W4ER<br>W9GKA<br>WA7PDC |                                                                        | <b>320</b><br>K7LOL<br>N4DW                                     |
| <b>369</b><br>KF8UN<br>N2DPF<br>W8LMG                        | <b>358</b><br>K5RLA<br>N8LRG                   | <b>344</b><br>K6FW<br>KB0PE<br>W1OW                    |                                                                                                             | <b>328</b><br>K6ME<br>N5PT<br>W2CNS<br>W7IMC<br>WB3LHD                 | <b>319</b><br>KF2T<br>N7US                                      |
|                                                              | <b>357</b><br>K4LVV                            |                                                        |                                                                                                             |                                                                        |                                                                 |
|                                                              | <b>356</b><br>K7PT                             | <b>343</b><br>K5EK<br>N3RC<br>N6KZ<br>N8HRZ            | <b>334</b><br>AD7OV<br>K0OOK<br>K3TRM<br>N4UFO (EM95)<br>N9DR<br>VE1JBC<br>WB5TOI                           | <b>327</b><br>KJ5RC<br>N0YO<br>N2ZZ<br>W2JU<br>W7YA                    | <b>318</b><br>W4HY                                              |
| <b>368</b><br>K0DD<br>W5RCI<br>W6GMT                         | <b>355</b><br>KD5XB<br>N3AIU (DM45)            |                                                        |                                                                                                             |                                                                        | <b>317</b><br>KA8SYV<br>W1SKU<br>W3HDH                          |
|                                                              | <b>354</b><br>NU6S                             | <b>341</b><br>KD7DCR<br>NX7U<br>WA7YAZ                 |                                                                                                             |                                                                        |                                                                 |
| <b>367</b><br>KC4HW<br>W7YAQ                                 | <b>353</b><br>AF2K<br>K0CS<br>WA9PWP           | <b>340</b><br>N0AN                                     | <b>333</b><br>AA4LR<br>K0TC<br>KK0DX<br>KM4HI<br>N0IGZ<br>W3GQ                                              | <b>326</b><br>K2ZD<br>K5KEW<br>K6LMN<br>K6TDI<br>NG7M<br>W7JLC<br>WF7T | <b>316</b><br>K3FN<br>KA0ABA<br>W4UCK<br>W9BWR                  |
| <b>366</b><br>KG8P<br>K17JA                                  |                                                | <b>339</b><br>KE4BKL<br>VA7FC<br>W5VAS<br>WB0OQV       |                                                                                                             |                                                                        |                                                                 |
| <b>365</b><br>K4JJW<br>KG7CW                                 | <b>352</b><br>VE3DS<br>W0KKK<br>W1DYJ<br>XE2ML |                                                        | <b>332</b><br>AA7UN<br>N4JDB<br>N7KDT<br>VA3IKE<br>W9GM                                                     | <b>325</b><br>WA2AEY<br>WX0Z                                           | <b>315</b><br>K5VH<br>NY2NY<br>XE1AO                            |
| <b>364</b><br>AB5EB<br>K0RAR<br>K6EME<br>N6QQ                | <b>351</b><br>AA4FL                            | <b>338</b><br>N9JR<br>NA5Z<br>VE3SXE<br>W9XA<br>WA5KBH |                                                                                                             |                                                                        | <b>314</b><br>KU4XO                                             |
|                                                              | <b>350</b><br>KB1EFS<br>N6VI                   |                                                        | <b>331</b><br>K1GJQ<br>K8WDA<br>KC0UDO<br>N4MW<br>W3TI                                                      | <b>324</b><br>HC2FG<br>K9SH<br>KU4A<br>N2BJ<br>VE3TMG<br>W4MAY         | <b>313</b><br>JE1BMJ<br>N6NR<br>N7UVH<br>NF4A<br>W4GLV<br>W5RKN |
| <b>363</b><br>W4NH                                           | <b>349</b><br>KA0BAD                           | <b>337</b><br>K8ZES<br>W9EWZ<br>WA5RT<br>WW0E          |                                                                                                             |                                                                        |                                                                 |
| <b>362</b><br>W1JR<br>WA5OLT                                 | <b>348</b><br>N1JFU<br>NJ7G                    |                                                        | <b>330</b><br>KB8MBC<br>KG6AY<br>W8PI                                                                       | <b>323</b><br>K1ST<br>N8II<br>W8KEN<br>WO2T                            | <b>312</b><br>AF6O<br>KA2GOJ                                    |
| <b>361</b><br>K8BL<br>K9NR<br>N1KDO<br>N8KOL<br>NG4C         | <b>347</b><br>W2HRO                            | <b>336</b><br>FG8OJ<br>K5KDX<br>K7BV<br>K9QVB/9        |                                                                                                             | <b>322</b><br>K0CAO<br>N3ALN                                           | <b>311</b><br>AC9S<br>DK8NE                                     |

|                                                    |                                                                          |                                                                               |                                                                      |                                                                                 |                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------|
| KM3T<br>KS4XQ<br>W2BZY<br>W5DB                     | W9OBG<br>WB0TVY                                                          | WA2IIE                                                                        | <b>282</b><br>AA0ZP<br>K5TA<br>N8JCM<br>W4WM                         | <b>274</b><br>KB1DMX<br>WA8MCD                                                  | W9DRB                                                          |
| <b>310</b><br>N1NK<br>W9KVR<br>WO4DX               | <b>300</b><br>AA4V<br>K0PHP<br>K0SRL<br>KB6VFC<br>N1RR<br>WA2BAH<br>WX2S | <b>292</b><br>KJ6P<br>W1SSN                                                   | <b>281</b><br>AA8MA<br>JR1LZK<br>K4OY<br>NL7CO<br>W2YE               | <b>273</b><br>KM4H<br>KV1J<br>VE6SH                                             | <b>266</b><br>K1OA<br>K1WVX<br>TG9AJR<br>VE3MSC<br>WB8EJN      |
| <b>309</b><br>AA9RR<br>WA8ZID                      | <b>299</b><br>KX7L<br>VE6WK<br>W1LE<br>W8UV<br>WB5GVY                    | <b>291</b><br>KS4S<br>W1WHL<br>W2CCC                                          | <b>280</b><br>N0KV<br>NM5Z<br>W1FKF                                  | <b>272</b><br>KF8QL<br>KO4PRE<br>N4SV                                           | <b>265</b><br>N5KS                                             |
| <b>308</b><br>WA4HFN                               | <b>298</b><br>K0MLD<br>K0PG<br>KD4WSC<br>N4IQ                            | <b>289</b><br>K2BLA<br>K4MM<br>K9FA<br>N5BCA<br>N7RO<br>NQ7G<br>W3SW<br>W4LTJ | <b>279</b><br>N3JPU<br>W0VHF (EL87)<br>W8GJ<br>XE1FAS                | <b>271</b><br>K7NII<br>KB7FUV<br>KL0S<br>W3HHN                                  | <b>264</b><br>AC8L<br>K4JAF<br>N0TK<br>NF1O                    |
| <b>307</b><br>AG1A<br>KE5K<br>W3ATV<br>W9RPM       | <b>297</b><br>KG5EIU<br>N8YQX<br>N9LF                                    | <b>288</b><br>K1NU<br>W1DU<br>W4HLR                                           | <b>278</b><br>AA9D<br>AJ4W<br>K3JT<br>K3WA<br>N0LNO<br>N8BJQ<br>NN1N | <b>270</b><br>K4SPD<br>KC9FQD<br>N2LIV<br>NI3K<br>W4QK<br>W5DNT<br>W7JY<br>WZ9B | <b>263</b><br>AK4PR<br>K9AAA<br>WB7QBS                         |
| <b>306</b><br>K4QE<br>KE8Y<br>WV9L                 | <b>296</b><br>K4XR<br>K6YUI<br>KC7RW                                     | <b>287</b><br>K8DP<br>KC7MRQ<br>N8CGY<br>W7CT<br>WA4NVM                       | <b>277</b><br>AC7JM<br>PV8DX                                         | <b>269</b><br>K2IE<br>K3ZO<br>KD5R<br>N5EPA<br>N5WD<br>VA2CY                    | <b>262</b><br>K3CWH<br>K5VR<br>N4ST<br>ND4DX<br>WA0KBZ         |
| <b>305</b><br>K3VAT<br>K6UM (CM88)<br>KT1J<br>WA9M | <b>295</b><br>KE4P<br>N6AR<br>N7NT<br>XE1YY                              | <b>285</b><br>AB0S<br>K5CZD<br>K9UO<br>NS7K                                   | <b>276</b><br>HC1BI<br>K2CS<br>K5TWJ<br>K7TAB<br>KD8JSP<br>W9OO      | <b>268</b><br>K6OJ<br>KI0HA<br>N9ZTS<br>W0KAN<br>WB9PNU                         | <b>261</b><br>AF2F<br>K3TWK<br>KB8UUZ<br>N3EW<br>W6TCP<br>W9TA |
| <b>304</b><br>K6IPF<br>NS4T<br>WA0GUD              | <b>294</b><br>K2UU<br>K6JSV                                              | <b>284</b><br>AB0RX<br>K0KP<br>K4DET<br>NJ2F (EL96)                           | <b>275</b><br>K1MAA<br>K2NJ<br>N4GG<br>VE6TA (DO33)<br>W0FK          | <b>267</b><br>KB1HY<br>KG6EG<br>KX9N<br>N2AMC<br>N8EHW<br>W4FSO<br>W5WP         | <b>260</b><br>K6JAD<br>K9MQ<br>N6HC<br>NT7C<br>W3DF<br>XE1YD   |
| <b>303</b><br>EA8DBM<br>K8TGC<br>K8TL<br>N7LAN     | <b>293</b><br>K3AX<br>K4KJZ<br>KL7HBK<br>N4JJ<br>N4MI<br>W2GKR<br>W4VC   | <b>283</b><br>N5OHL<br>WA0FQK<br>WB0CQO                                       |                                                                      |                                                                                 | <b>259</b><br>K1BD<br>KD4ADC<br>KG6I<br>KN5O<br>NY1E<br>VE6BMX |
| <b>302</b><br>JG1TSG<br>KB2TGU<br>N3KN             |                                                                          |                                                                               |                                                                      |                                                                                 |                                                                |
| <b>301</b><br>N0HJZ<br>W7IB                        |                                                                          |                                                                               |                                                                      |                                                                                 |                                                                |

|                                                                                      |                                                                                  |                                                                       |                                                                           |                                                                                |                                                                         |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| WA4YA                                                                                | <b>251</b><br>AD5JK<br>K9QJ<br>KG7NV<br>NA5DX<br>NN4SS<br>W2LV                   | <b>243</b><br>JA1QJI<br>K3TC<br>W4EJ<br>YV1DIG                        | <b>234</b><br>KE6FCT                                                      | XE1GLL                                                                         | W6DPD<br>W7ZSL<br>WB2WIH (FN20)                                         |
| <b>258</b><br>AB5GU<br>K1NJ<br>K2HAT<br>NA2NY<br>WB7ECS                              | <b>250</b><br>AA9LC<br>KS9J<br>N5PA<br>NW6R                                      | <b>242</b><br>IT9IPQ<br>K3WW<br>KA3TCC<br>VE3SMA                      | <b>233</b><br>K1AFC<br>N9NJS<br>VE7VZ<br>W8PAT<br>W9TD<br>XE1L            | <b>226</b><br>AF5WN<br>GD0TEP<br>N7CNH<br>N8UR<br>NM5S<br>W0VX<br>W8RD<br>WQ6Q | <b>218</b><br>K1XH<br>K4IJQ<br>K5HPT<br>KB8KVJ<br>KC0VDY<br>NA5C        |
| <b>257</b><br>K0CCM<br>K2KA<br>K5QE<br>KD4MYE<br>N5DTT<br>PY2XB<br>W0PPA<br>WA2HFI/0 | <b>249</b><br>CT1IUA<br>K8AO<br>KQ5U<br>N1GC<br>N5SMQ                            | <b>241</b><br>N6NU<br>W5LO                                            | <b>232</b><br>K5FO<br>KK8MM<br>N9NJY<br>WA2OTC                            | <b>225</b><br>AC9O<br>KX9X (EN50)<br>N2WSY<br>PV8AZ<br>W8AKS<br>WN6W           | <b>217</b><br>ND4V<br>W4DEE                                             |
| <b>256</b><br>JM1IGJ<br>KL7NW<br>N8ZJN                                               | <b>248</b><br>K1ZZ<br>W6VFA                                                      | <b>240</b><br>KK4ZUU<br>KO6LU<br>VA3HP<br>W1VT<br>WA2VJL              | <b>231</b><br>AI9L<br>K4MIJ<br>K6HEW<br>KF6GYM<br>W9XT                    | <b>224</b><br>JA8ISU<br>NJ8J                                                   | <b>216</b><br>K7RB<br>N0IS<br>N6PM<br>NE1F<br>W1AW<br>W5RWF             |
| <b>255</b><br>K8MVZ<br>KG4JPL<br>W4HFZ<br>WA8KNE                                     | <b>247</b><br>JA1UAV<br>N5DD<br>W3TEF                                            | <b>239</b><br>KF4LVF<br>MD0CCE<br>W6RW<br>W9YOY/M<br>WA3SEE<br>WB1FLD | <b>230</b><br>JM1SZY<br>K1ZE<br>KO4MM<br>VA3XJ<br>WB0WAO/8                | <b>223</b><br>K7UA<br>NJ7A                                                     | <b>215</b><br>AL7OC<br>K2SX<br>KI5FJ<br>N2YU<br>N6KW                    |
| <b>254</b><br>KG9Z<br>N4GBK<br>N5SIX<br>N7QOZ<br>NR0Q<br>VE3OTL<br>WD5ITW            | <b>246</b><br>K0DAS<br>K8YC<br>KK8X<br>N5TIT<br>W4FRA<br>WI7P                    | <b>238</b><br>AA3GM<br>JP1LRT                                         | <b>229</b><br>K6RG<br>KB9RUG<br>KD5IKG<br>KE4UW<br>N4NX<br>NN5DX<br>W5LUA | <b>222</b><br>K0YY<br>K2TV<br>K3AJ<br>KA1LMR<br>KD4K<br>WA2BOT                 | <b>214</b><br>JA7MSQ<br>KB9PJL<br>KC7OD<br>VE3SYK<br>WA7AJ              |
| <b>253</b><br>F4BKV<br>KG4ERR<br>N2XQM                                               | <b>245</b><br>AE4WG<br>N1IA<br>N3XF<br>VA3CW                                     | <b>237</b><br>K3KO                                                    | <b>228</b><br>K5RUS<br>K7HSJ<br>KF2ZQ<br>N8AIA<br>W5HEZ                   | <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                                    |
| <b>252</b><br>AB5A<br>CT1EEB<br>K1ACL<br>K3NK<br>N9ATF<br>NN4RR<br>VE6NTT            | <b>244</b><br>K8DV<br>N3AIU (FM08)<br>N4JRY<br>VA3ZV<br>VE3VHB<br>W0VD<br>WD4IXD | <b>236</b><br>K0SU<br>K4NK<br>N3FTI<br>N9ATD<br>W5AJX                 | <b>235</b><br>ND0C<br>NN9X<br>VO1GO<br>WB6RJH<br>WT2P<br>WZ9W             | <b>220</b><br>K7BTW<br>N7XCZ                                                   | <b>212</b><br>AB5C<br>JF8QNF<br>JR3REX<br>K3EA<br>KF7NN<br>N1SV<br>N2OA |
|                                                                                      |                                                                                  |                                                                       |                                                                           | <b>219</b><br>K1DT<br>K2RKJ<br>KE5RV                                           |                                                                         |

|                                                                 |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>211</b><br>K9FOH<br>NE8S<br>W2ZDP<br>W5HNC<br>W6AER<br>W6KAP | W8QID<br><br><b>204</b><br>KO0Z<br>LU2DX<br>WA3DRC<br><br><b>203</b><br>K0VSV<br>K5HYT<br>K5LOW<br>N0HF<br>N8SYF<br>NX0I<br>W1RM<br>W3SZ<br>W9GFB<br>W9VOB<br>WA1KPD                                                               | <b>198</b><br>AC8TO<br>JR2HCB<br>N0UK<br>N7EPD<br>W8DM<br>WA7KYM<br><br><b>197</b><br>K3EGE<br>N4BAF<br>W3TW<br>W5CTV<br><br><b>196</b><br>K0AIZ<br>K0NR<br>KD3HN<br>N5DUW<br>W2AMR<br>XE2ED<br>XE2W                                               | <b>191</b><br>K0ITC<br>K9CS<br>KK6OH<br>N9AMW<br>WA2BKN<br>WA5CAM<br>WD4JHD<br><br><b>190</b><br>K5DB<br>K5ER<br>KC2DLD<br>KN4PPD<br>N9UA<br>W1ATV<br>W2OO<br>W4GE<br>WB0DBS<br><br><b>189</b><br>KC0MEA<br>WA5VKS<br><br><b>188</b><br>AD7KI<br>KD4HLG<br>W4AZR<br>WA7VHF<br>WU9Q<br>WX9M<br><br><b>187</b><br>AA8R<br>K0JDD<br>KC5N<br>KQ0J<br><br><b>186</b><br>K8PT<br>K9SG<br>KN7K<br>N0XLR<br>N6ZE<br><br><b>185</b><br>AD6W<br>KD5BQT<br>KU4UC<br>NA2R<br>PY5CC<br>W3OU<br>W5BPT | XE1R<br><br><b>184</b><br>AF5Q<br>I0WTD<br>K0DEW<br>KR4M<br>N1IBM<br>N3FX<br>N4BG<br><br><b>183</b><br>K5RQ<br>N0UBL<br>W2UDT<br>WC4H<br><br><b>182</b><br>AJ6T CM87<br>FP/KV1J<br>K5GMX<br>K8WK<br>NZ1I<br>W9JJ<br>XE1CL<br><br><b>181</b><br>AB9FN<br>K4CMS<br>K5HDE<br>KB8YKR<br>N3XJX<br>N4DTF<br>N9MSG<br>NY0A<br>W4RBO<br>W9BS<br>WJ1B<br><br><b>180</b><br>K0OST<br>K4LYN<br>KC1MMC<br>N1RK<br>N6PEQ<br>N6VH<br>W5HI<br><br><b>179</b><br>K1EP<br>KU4WD<br>N0LIE<br>N0MMA | NH7RO<br>VA3DPB<br>W8LHP<br>WA4QMQ<br><br><b>178</b><br>KA2AYR<br>KB0EO<br>KB1RZA<br>KG5RJ<br>N1ZUK<br>NQ2O<br>VE3NRT<br>W0ZY<br>W1MAD<br>WY7FD<br><br><b>177</b><br>AG4ZE<br>K2QQ<br>KI4BWW<br>N2ZA<br>NY4I<br>SM7FJE<br>W5ZG<br>WA8UEG<br><br><b>176</b><br>AD5ZA<br>EA5BY<br>K0DI<br>K6ZZ (EM78)<br>KX9X<br>N5QGH<br>N9ARX<br>NP4BM<br>W5AFD<br>WA5IPS<br>WW2R<br><br><b>175</b><br>PV8BR<br><br><b>174</b><br>K3MD<br>K6WRL<br>KC0IYT<br>KC6ZWT<br>KG7P<br>KU0A<br>N1MGO<br>NA2NY (ex-NA1VT)<br>NA6O |
| <b>210</b><br>K3MSB<br>K9YC<br>KL7NO<br>N1TQ<br>N6UK<br>WQ9T    | <b>202</b><br>K1BZ<br>K5GJR<br>WC7X<br>WF8Z<br>WQ5W<br><br><b>201</b><br>AA7WB<br>KC5FP<br>KO9V<br>KR0I<br>NN0K<br>NR2C<br>WA1MKE<br>WA9ASZ<br><br><b>200</b><br>4A2MAX<br>K4YJ<br>K6ZZ<br>LU4FW<br>N5AO<br>N7PHY<br>N9AG<br>VA3VU | <b>195</b><br>AA4W<br>K2WJ<br>K6VDP<br>KG6WIK<br><br><b>194</b><br>4O3A<br>K2MRK<br>N3FA<br>N9NFT<br>WF1H<br>WK8A<br><br><b>193</b><br>K9AB<br>KD2NF<br>KF6XA<br><br><b>192</b><br>N1LF<br>N2NB<br>N3CAL<br>N3NR<br>N4LXB<br>N4TV<br>W6MTR<br>W8FN | <b>205</b><br>AF4OD<br>K8SD<br>KE4HOA<br>N5ITO<br>W1MJC                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>209</b><br>AA4IB<br>W5WGF<br>WA4NFO<br>XE2N<br><br><b>208</b><br>AI2N<br>CO8DM<br>KD5HIO<br>PV8ABC<br><br><b>207</b><br>K6US<br>N1BCL<br>N8NJA                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|            |            |            |              |              |            |
|------------|------------|------------|--------------|--------------|------------|
| W3SO       | N0NHW      | WA1LAD     | <b>153</b>   | <b>147</b>   | <b>142</b> |
| WA2PNI     | N8XE       |            | AA4NC        | AF6AV        | NA2X       |
| <b>173</b> | NO0T       | <b>160</b> | AB4GG        | IZ1LBG       | NC4VA      |
| K2ZZ       | TG9ADQ     | AB1QB      | K7AD         | K6PSP        | W5SWV      |
| K5YPV      | W1BAT      | JA1AFR     | K7ZD         | KC1BUF       | WA5TKU     |
| KE4SCY     | <b>166</b> | K5IQ       | N1OFZ        | N8IK         | WS4V       |
|            | JA1OVD     | WL7OU      | N2ADV        | VE3CX        |            |
| <b>172</b> | KC2GHT     | <b>159</b> | N2WM         | W4YCC        | <b>141</b> |
| AB9KZ      | N5VU       | AA6AA      | N6DHz        | W5WOX        | JA6RJK     |
| K5ZED      | NC4RY      | G0OIL      | W3DQS        | WA0VPJ       | K4AR       |
| KI4PKW     | VA3WEB     | K4MZ       | W5FI         | WA3YGQ       | K9ATX      |
| KJ6HI      | WB4KXS     | NS7B       | W9DHI        |              | KT8TD      |
| VE2PN      | <b>165</b> | W1EME      | W9ILY        | <b>146</b>   | N9FIV      |
| W4ABC      | K4DXT      | W4TTO      | WB5ZAM       | AC0W         | NV4B       |
| <b>171</b> | KD5HPT     | WB8NUT     | <b>152</b>   | HB9EFK       | W4FS       |
| AA4PB      | W0RIC      | <b>158</b> | AA6I         | K2GW         | W4POT      |
| HP2AT      | <b>164</b> | K8CR       | N0RC         | K8YTO        | W6ZI       |
| KC5GSK     | K2SD       | KI0D       | N1NUM        | KB0YH        | WB9WHQ     |
| KC5YCH     | K5VWW      | N2CG       | NU1T         | KB5ZEA       | WR7AY      |
| KI4TZ      | KD0UHN     | <b>157</b> | UT7QF        | KC2TN        | <b>140</b> |
| NS3L       | KF9US      | K4FX       | WO4G         | KM5TY        | AC5DK      |
| W1PX       | W4CSW      | KB8GC      | <b>151</b>   | N4HID        | BA4SI      |
| W6IA       | WK7G       | KC2WUF     | W1ZT         | VA2RC        | CO2WF      |
| WA2KBZ     | WQ7F       | WA7NB      | W2DXE        | VE1VOX       | K7SAM      |
| <b>170</b> | <b>163</b> | <b>156</b> | <b>150</b>   | <b>145</b>   | KC0MEZ     |
| K9TVG      | K2JF       | IZ8FFA     | KW4BY        | KD7YZ        | KC8TMU     |
| N8CN       | K2YSY      | K2KJ       | N9LAH        | V31MD        | KJ4KVC     |
| NA2U       | N5XZ       | K9OHI      | VE3OAT       | VA3TTX       | N1EN       |
| W4IHI      | <b>162</b> | N3RN       | W7APM        | WA4JA        | N3VOP      |
| W4JKC      | AF4GK      | N9KO       | <b>149</b>   | <b>144</b>   | NJ0U       |
| WK3V       | K0QB       | VE7VDX     | AB6CF        | K0TLG        | VA3FLF     |
| <b>169</b> | KA1R       | <b>155</b> | K4SAN        | K5TDW        | VE3KY      |
| K6XC       | KD4TDI     | CT1BWU     | KK9H         | K6JRA        | W4GPM      |
| KD5OMJ     | OE6IMD     | K3TD       | W3UA         | K8MN         | W4TUN      |
| N2BEG      | W9JJB      | K6XN       | WB4VHF       | K8WU         | W6DQ       |
| N5XES      | W9VS       | N5RMS      | <b>148</b>   | N9DI         | WA4KXY     |
| VE3HHT     | WA1Z       | N7AU       | AC0DQ        | W5MPC        | <b>139</b> |
| W8KNO      | WB0WAO     | N9OBE      | AG0A         | WO7GI        | KC7JPC     |
| <b>168</b> | <b>161</b> | TG9ANF     | K0RU         | YV4NN        | KM2O       |
| KG5ZMQ     | K0KVR      | VA3NQ      | K7IU         | <b>143</b>   | KU0G       |
| W2PD       | K4EA       | WV8DX      | KB2YSI       | K6JBH        | N7T        |
| W8WEJ      | KB3CWQ     | <b>154</b> | N0TM         | K9QFR        | NA2AA      |
| <b>167</b> | KK9M       | AE4NT      | N1TOR        | KB8RJS       | TF3JB      |
| K4MQG      | N2YBB      | KB9VMW     | N5ZBI        | N8URE (FM19) | W4OV       |
| KB1YNT     | V44KAI     | KW4OV      | PV8AJ        | NA1VT        | WB2JIL     |
| KB9REV     | VE3LC      | NZ6N       | W5DM         | W0HNM        | WY0V       |
| KE5EP      | W4HOG      | W3ZQN      | W6VNQ (CM88) | W0UHL        | <b>138</b> |
|            |            |            | WB6RAB       | WB0MMC       | AC0XY      |
|            |            |            |              | WM5H         | AI6O       |
|            |            |            |              |              | KD7WPJ     |

|              |            |              |            |               |            |
|--------------|------------|--------------|------------|---------------|------------|
| KE0A         | W0RT       | <b>128</b>   | W1TAM      | KD0R          | <b>116</b> |
| KE3D         | WI5D       | JR2LJO       | W3KN       | KD4MZM        | IK7EOT     |
| KE8RO        | WW7Q       | KC7QAG       | W6SCQ      | KD5BRF        | K4RGN      |
| KQ4KX        | XE2O       | KJ6SDF       | W7YM       | KE4SCY (FM06) | KI6QDH     |
| N3XH         |            | KN4DMN       | W9CDL      | N3YPJ         | KU5B       |
|              | <b>132</b> | N1SFE        |            | VE1JC         | N0VR       |
| <b>137</b>   | AB3CV      | W0WT         | <b>123</b> | VE3XK         | NO0B       |
| N1SZ         | IC8TEM     | W5ZO         | AC7AF      | WA6RAY        | W0DHB      |
| N5JGK        | K5VG       | W8FR         | K9SM       | WD4OHD        |            |
| SM7AED       | KW4G       | WB2WEO       | KB0GT      |               | <b>115</b> |
|              | N4PPH      |              | KB0STN     | <b>119</b>    | K9AAN      |
| <b>136</b>   | N7TP       | <b>127</b>   | KG6DHQ     | AE5AU         | K9MMS      |
| K0XXX        | NE1I       | AA9RK        | VE3TG      | K0AWU         | KE6TVM     |
| K4SX         | VE3TM      | K3GYK        | W1HS       | K1ZN          | KF0QS      |
| KC5LK        | WN6K       | K7UV         | W3DIY      | K2SQS         | KF9AF      |
| KC9AXZ       |            | K8AC         | W3SE       | K4MSG         | KM5FA      |
| KJ5RM        | <b>131</b> | K8OS         | W4PRZ      | K7JIZ         | N7VGO      |
| KV1E         | JA3LZS     | KB3OZC       | W5EWF      | KF7PCL        | UW5ZM      |
| NO1R         | JR1BAS     | KB9TLV       | W7MHW      | KP3V          | VK9DX      |
| W2JCN        | K3NAT      | KC0RQH       | W8BI       | KT0P          | WA3BZT     |
| W4AVV        | KG9R       | N6UTC        | W8KHP      | KW7N          | WC7V       |
| W7UV         | KT3X       | VE2JWH       | WA8WV      | N4UPX         |            |
| XE2JS        | N2CJ       | W1FLD        | WB2RVX     | W0QC          | <b>114</b> |
|              |            | WA6BIL       |            | W4SW          | AC8HU      |
| <b>135</b>   | <b>130</b> |              | <b>122</b> | W7QQ          | K2RET      |
| CU3EQ        | AB0X       | <b>126</b>   | K7AED      | WI4T          | K3RTU      |
| K4MWB        | K0GUR      | KJ7G         | K7OGW      | WM9M          | KC4GCK     |
| K8ZIZ        | K4JKB      | N0BDS        | KA9JAC     |               | NF8M       |
| LY3W         | K8LG       | N7DGI        | KB4UF      | <b>118</b>    | VE1WOW     |
| N4DB         | KC4NX      | WB4HUC       | KB5WFE     | J68AS         | VE3IRR     |
| W6BXQ        | NG9R       | YL2AO        | KC5UGX     | K4AZV         | W2JLK      |
| WB8BZK       | NO8D       |              | N5HYV      | KA4LBD        | W2ZZQ      |
| WW2DX        | VE1DX      | <b>125</b>   | VE6PY      | KF6MXK        | W4ALF      |
| XE1H         | VE2TZT     | AA7DK        | VE7JAC     | KI7BP         | W4UFO      |
|              | W0PHX      | K3PU         | WD0GTY     | KT8X          | W5DWA      |
| <b>134</b>   | W2LES      | KC5DRI       |            | N1QDQ         | WO2C       |
| AB1NS        | W3FEY      | W2AJM        | <b>121</b> | N3JNX         | WX4US      |
| AB4GE        | W4DWS      | W3UQH        | AE1P       | N5EIL         |            |
| AD4TT        | WA2SEI     | W4DFU        | K0MFI      | W2AC / WB2ABK | <b>113</b> |
| C6ABB        | WB4YDL     | WA6POZ       | K4HBI      | W2AC/WB2ABK   | AB4PM      |
| GM4UYE       | WW5W       | WB4OMM       | KB2WAL     | WB2KSK        | AD5MD      |
| KE5FXE       |            | WE1P         | KB5MH      |               | HB9BZA     |
| KF6UFO       | <b>129</b> |              | KE4JFS     | <b>117</b>    | K3DQB      |
| N3AIU (DN70) | 8P6ET      | <b>124</b>   | NE0P/9     | AB5J          | KD4BPZ     |
| N8GOU        | JF4VZT     | K0DLW        | UR0MC      | K4WS          | KD6VCD     |
| W4TKI        | K0KD       | KB0HH (EM06) | W8DN       | N4USG         | KM5OL      |
| WA3WZR       | K5QWO      | KD5FTD       | WB9TFH     | N5JEH*        | N3JDQ      |
|              | KC8KSK     | KM1C         |            | N5LPT         | N4YCI      |
| <b>133</b>   | KF4NEF     | KT5MR        | <b>120</b> | NA7L          | N5YK       |
| KA5ETS       | KM5LY      | N0SL         | EA1YO      | NU6V          | W0BM       |
| KC1RET       | KM5SC      | N9AZZ        | K2CYE      | W6WE          | W8MSP      |
| KE1VT        | N9WBR      | PV8AAS       | K4AU       | WA1TBV        | W8VW       |
| KM8V         |            | W0PE         | K4CGY      | XE2PXN        | WD0ENC     |

|            |            |            |            |            |             |
|------------|------------|------------|------------|------------|-------------|
| <b>112</b> | W4ZRZ      | VA3OKG     | WB8BZK/VE3 | <b>101</b> | N5XTR       |
| EA4DEI     | W5MPC/1    | VE3AJY     |            | AE7V       | N7EME       |
| K2MLS      | W7RJR      | WB6VYH     | <b>103</b> | AI5WW      | N8COP       |
| K3GD       | WB6YIY     | WQ9F       | AA5CK      | K0IN       | N8XS        |
| K5WTA      | WB9W       |            | AB0YM      | K0SBV      | VP2MRM      |
| KA7T       |            | <b>105</b> | AB5SS      | K0WJ       | W2CH        |
| N5HMH      | <b>108</b> | AC4Q       | K2OY       | K2NUD      | W4/KL7GLL   |
| W1TR       | CF3VRQ     | DS4EOI     | K4MVL      | K5DWI      | W4OZK       |
| W5DQ       | JA9IPF     | K4SJA      | K8ZEE      | K5HX       | W8BZY       |
| W6OAT      | JP7EIP     | K9MAL      | KA1W       | K7SYS      | W9DQ        |
| W7IV       | K5OPB      | KB3JGS     | KB0FHP     | KB1JDX     | WA5TLP      |
| W9PN       | K7MDL      | KC0JYT     | KB2SGX     | KB4KBS     | WV9E        |
| WA8TWM     | N3MWQ      | KC4KK      | KC9FFV     | KC6AWX     |             |
| WG3K       | VE3SUB     | KF4DGS     | KF0AIJ     | KC8CSD     | <b>99</b>   |
| WX3P       | VE7IG      | KJ7TH      | KF4DVG     | KG8WB      | AB0SD       |
| XE1GK      | VY2RU      | N4NQY      | KR4NO      | KG9IL      | AB3TM       |
|            | W4AMP      | N5SAN      | N0YXE      | KL2R       | K0YO        |
| <b>111</b> | W4CRN      | N7YY       | N1JIF      | KR4WM      | K4KEW       |
| N0SLT      | W5AAJ      | NE9O       | NF6P       | KR7LD      | K4WQ        |
| PC3T       | W8EH       | PU4JOE     | NN2D       | N1IX       | K4ZO        |
| W8GBH      | W9VNE      | VE3VRQ     | VE7DXG     | N4AOE      | K5VPQ       |
| WZ8P       |            | W8MIL      | W0TF       | N8VEA      | K7DD        |
|            | <b>107</b> | W9RVG      | W3LEO      | N9DVS      | K7PAP       |
| <b>110</b> | JA3EGE     | WA4MYO     | W6IT       | ON9CMR/WO  | K9ZZE       |
| G4BWP      | K5UIC      |            | W6XU       | VA2LGQ     | KA0ZEE      |
| K5KR       | KF7PG      | <b>104</b> | XE1RBV     | W4LLP      | KC2IEB      |
| K7LD       | KI9A       | AB9YC      |            | W5KBD      | KC6X        |
| KD5J       | KK4LUM     | AC5K       | <b>102</b> | W7ISG      | KD4MWO      |
| KI0F       | N3TTT      | AC5RN      | AA9MY      | WB8IMY     | KD6RUH      |
| KP4JRS     | N9OI       | AC9QR      | AB8JH      | WD5IYT     | KG9AP       |
| KQ4LA      | NF0T       | IK4DRY     | AD6KH      |            | KR4UA       |
| KX5U       | US0KW      | K5PPP      | K0HAQ      | <b>100</b> | M5MYH       |
| N5TIF      | W2TTT      | KB9RNO     | K3HW       | AC0FT      | N4FV        |
| N5YM       | WB4PPW     | KC1LXO     | K9AM       | AI2S       | N7HRT       |
| W7JET      |            | KC2TR      | KA3ZLS     | AI9U       | N7JPF       |
| W7UP       | <b>106</b> | KD9GKL     | KB8CR      | K2UA       | N7TE        |
|            | K0MEI      | KJ7OG      | KC6WFS     | K4UQC      | N8GHZ       |
| <b>109</b> | K5BJW      | KM6WXB     | KC8DMN     | K5GM       | N8YV        |
| AK6ZZ      | K7BWH      | KO4LZ      | KD8NYO     | K5KV       | N9MKC       |
| IW1ARB     | K7JE       | N0STP      | KE1AU      | K8IJ       | NB5R        |
| K2DSW      | KB0TIJ     | N1LDY      | KJ4M       | K9CC       | NH6CJ       |
| K2JGL      | KC7ICM     | N2FBQ      | KR5V       | KB9ZLB     | NI5W        |
| K2OO       | KE5JXC     | N3UPS      | N1HOQ      | KC2HLI     | NS2P        |
| K5DNL      | KJ6MBW     | N7AGF      | VE7ZD      | KC8CC      | VE2HAY      |
| K9GY       | KK2DOG     | NJ1H       | W4RVZ      | KC9CMT     | W2HOG       |
| KE6GLA     | N0RQ       | VE2PIJ     | W5DPT      | KD3SW      | W2VU        |
| KJ6CA      | N1USB      | W1TE       | W5OV       | KE5CVM     | W5JLC       |
| KZ7N       | N2IPH      | W1ZE       | W7UT       | KF0Q       | W6TJU       |
| N8TMW      | N4CE       | W4KVS      | W9NFL      | KG5X       | WA5TRX      |
| N9TTX      | N5FPW      | W6ZQ       | WA4IOB     | KJ5OA      | WB5NHX      |
| VE3AAQ     | N5YHF      | W9EBK      | WA8EQP     | N3TBB      | WB7VVD      |
| W0YJT      | N8HM       | W9MDB      | WB5FDP     | N4NIA      | WK5X        |
| W1OP       | N9XMU      | WB2VUO     |            | N5RZK      | WW2R (EL09) |

|              |           |           |           |           |           |
|--------------|-----------|-----------|-----------|-----------|-----------|
| <b>98</b>    | KM4NYI    | NW5Q      | WA4WR     | W3TA      | W4VG      |
| AC2RL        | KT5WB     | NY2Z      | WB2SIH    | W4LNG     | W5DMT     |
| AD8Y         | N1VMJ     | VE2DCP    | WD8DOT    | W5ODD     | W7EIR     |
| K0KC         | N3UMA     | W1HMM     | WS4S      | W5PUF     | W7TRX     |
| K0UD         | N4BH      | W3VHF     | XE2AT     | W7NX      | W9IFW     |
| K3IXD        | N6MA      | W4KK      |           | WA7LHZ    | W9NED     |
| K3QIA        | N9APK     | W4TMR     | <b>94</b> | WA9BXB    | W9WI      |
| K4OP         | N9IO      | W7JHS     | AA4RP     | WT9U      | WA5ICA    |
| K5HOB        | N9KY      | WA3EEC    | AB4VT     | WV7S      | WB5CON    |
| KA1EKR       | NK7C      | WB0M      | AD1DX     |           |           |
| KE4LGL       | NU0Y      | WB5KJE    | AK8CW     | <b>93</b> | <b>92</b> |
| KG4YOU       | NV3K      | WP4LNY    | HK4SAN    | AG2A      | K1EY      |
| KG7E         | VA3FIN    |           | K0ARM     | AG6CV     | K5GDX     |
| KJ2G         | W3QT      | <b>95</b> | K3BEE     | AI8F      | K5TDA     |
| KK0CQ        | W4CWA     | AB9AI     | K3TUF     | K0IW      | K7FU      |
| KY0Q         | W4DAS     | AE0G      | K4JRK     | K1PTF     | K7HKR     |
| N0JJQ        | W4ID      | AE5EO     | K4LDC     | K1ZK      | K7UWR     |
| N1JHJ        | W7DN      | IK8YTA    | K4NNX     | K2AK      | KB0PQP    |
| N3LRP        | WA6OSX    | K1PNQ     | K8GT      | K2MTS     | KC4JNW    |
| N5TEY        | WA9LEY    | K4ED      | K9DOG     | K4DAM     | KD4QMY    |
| N8AID        | WB8RVK    | K8BB      | K9SUL     | K5TRI     | KE4WBO    |
| NO5X         | WB8ZTV    | K8KFJ     | KA2F      | K6RM      | KG4URP    |
| NO8R         | WE8L      | K8ME      | KA9UVY    | K7IP      | KR7X      |
| VA3VF        |           | K8VD      | KB4YKC    | K7TRK     | N2SG      |
| VE4XTZ       | <b>96</b> | KD7WH     | KB7AK     | KB0USF    | N3GH      |
| W2KRP        | AD5OW     | KD8DR     | KC0AUY    | KC5TGT    | N4VN      |
| W6TE         | AE4TQ     | KD9ZR     | KC3AK     | KC5TT     | N5QO      |
| WA2FGK       | AK4F      | KI0SK     | KD4VRZ    | KC9TTR    | N6FD      |
| WA3TLT       | K2CK      | KW9U      | KE3WM     | KC9UL     | N6RPM     |
| WB1GQR       | K2UF      | N1XK      | KF0LA     | KD0QG     | N7DED     |
| WB2YDS       | K2UNK     | N2SLO     | KG4NLZ    | KE6AZX    | NS6E      |
| WD0E         | K4EQH     | N2WLS     | KU4JZ     | KE6UMW    | UT5JAJ    |
| WH6LR        | K5CRJ     | N3WAV     | KV3W      | KE8RPJ    | W1PV      |
| WT5H         | K8EMR     | N4ET      | N0LNE     | KE9V      | W2ACY     |
| WV5Y         | K9OT      | N5BLY     | N0LP      | KI0J      | W2CVW     |
|              | KA2NDX    | N5ENU     | N2SU      | KK7MNC    | W3ACO     |
| <b>97</b>    | KA3HED    | N5KI      | N3JBH     | N2BX      | W3GP      |
| AB8M         | KB5GI     | N9IV      | N3XBG     | N2YTF     | W3HZU     |
| AJ9C         | KB8PNS    | N9LJX     | N3YUG     | N3AO      | W4BP      |
| K0HB         | KC0HBP    | OE9KFV    | N5ZMP     | N3ZBK     | W4LIA     |
| K0JQZ        | KD6PY     | PY2KP     | N6HY      | N4GOA     | W6NS      |
| K0QEI        | KI5TE     | VA3KS     | N6MXU     | N4YHC     | W8JV      |
| K0SH         | KM5NU     | VA3PZ     | N7NH      | N7EGY     | W9HBH     |
| K0YQ         | KR4EE     | VE3KZ     | N7UN      | N7JI      | WA3JKB    |
| K3HZO (FN20) | KS4V      | VE3SPW    | N8WWM     | N7KSI     | WA4EEZ    |
| K4GTR        | KT5RR     | W4YZJ     | N9DD      | NA9D      | WM3O      |
| K4JQU        | N0WVU     | W5ADA     | N9UNX     | VA3JFF    |           |
| K8XF         | N2LID     | W5CBF     | VA3MA     | VA7QI     | <b>91</b> |
| KA2BSK       | N2VHZ     | W5RCQ     | VE3RX     | VE3WMD    | AA0CW     |
| KA7EII       | N2XK      | W7JWC     | VE5MX     | VK5PJ     | AD3Y      |
| KC0YBM       | N8PAQ     | W9SX      | VE7AB     | W0MHK     | CO2WZ     |
| KD5CKP       | N8YBY     | WA2ONK    | W2GR      | W2VTV     | K1UR      |
| KF4KSN       | NT2A      | WA3I      | W3IPA     | W3ZGD     | K4SPA     |

|           |              |                  |           |           |           |
|-----------|--------------|------------------|-----------|-----------|-----------|
| K6YK      | KW3DX        | XE3DX            | KE6WOX    | W4RA      | W8GG      |
| K7HPN     | N2ULL        |                  | KI6RRD    | W6ST      | WA2ONG    |
| K8OI      | N4BRF        | <b>88</b>        | N0ELA     | W7SIR     |           |
| KB2YWU    | N5BA         | AA4QE            | N2CJN     | W8DQ      | <b>81</b> |
| KB3IAI    | N9JJ         | AE0DX            | NE5S      | W9QY      | AB4I      |
| KB3NDS    | VA3XOV       | AE4OF            | N15F      | WA4WKL    | DF3CB     |
| KB7AZ     | W9CPV        | AF4MI            | NN7RM     | WD4LSS    | KE4DZU    |
| KC5POV    | W9CSY        | K1RS             | W8GOC     | WF4R      | N6MM      |
| KC8LGL    | WA2BEV       | K3TN             | WB3IGR    |           | N7NEV     |
| KE1IU     | WA8OJR       | K4XD             | WB8JAY    | <b>84</b> | N14Y      |
| KE7RTB    | WD9HCF       | K7CTV            | WF4W      | CT3FT     | W3MC      |
| KG4QWC    | WE7H         | K7WV             |           | K4EZY     | WA4ZXV    |
| KI3O      | WEST SEATTLE | <del>K7ZTV</del> | <b>86</b> | KE6NDG    | WA8ZNC    |
| KI5BLU    | WH6LE        | K9JF             | AG1T      | N1KI      | XE1EE     |
| KM7N      | WM7C         | KB2KIR           | K7FB      | N2NWS     |           |
| KM9I      | WT4C         | KC1GWX           | KA9OKH    | VE2WBK    | <b>80</b> |
| KQ6K      | XE3/K5ENS    | KC3MLC           | KB7JJG    | W8PU      | AC6BW     |
| N3PPH     |              | KE8UM            | KI6HQT    | W8SGR     | G4FKA     |
| N3WCM     | <b>89</b>    | KI2D             | KN4MMH    | ZS6NK     | K7FR      |
| N6DW      | AB1TZ        | KI4RFM           | KP4TB     |           | KE4PT     |
| N7CZ      | AG2AA        | KJ4KW            | KT1R      | <b>83</b> | KR4Q      |
| N8DEZ     | AG7NR        | KU4S             | N2NF      | AA6E      | KW1DX     |
| NR4J      | G4NBS        | N0OK             | N3MVF     | DL5XJ     | N2NS      |
| NU4N      | JQ1TIV       | N1CEO            | N8TFD     | K1LH      | VY2HF     |
| VA2BBW    | K4BMM        | N2MKT            | NZ3O      | K4SQC     | W2DEN     |
| W2SUB     | K5CX         | N2ZN             | SV1RK     | K6JJ      | W5TTY     |
| W4MLN     | K5JAZ        | N4CAG            | VA3MDB    | K8SIA     | W7AM      |
| W5KDA     | KA0MWA       | N4GN             | VA7LM     | KB3HHA    |           |
| WB0NRV    | KF4TVL       | N4KIN            | VE7IRU    | KB9LIE    | <b>79</b> |
| WB7X      | KI0G         | N4UC             | W8IW      | KK7BV     | K4RW      |
| WC4V      | KI4FW        | N5VBK            | WA1PMA    | KU4WW     | K5JBT     |
| XE1GZU    | KI4US        | NS3X             | WB4GCS    | N5PD      | KB4DSL    |
|           | KR4U         | NT4TN            | XE2AU     | N6KTH     | KP4N      |
| <b>90</b> | N2GZ         | VE2VLJ           |           | SV2AEL    | N2COP     |
| AA0LM     | N5KAE        | W2BZR            | <b>85</b> | TG9AKH    | N5YJZ     |
| AB4WL     | N8YSZ        | W3YX             | AC3KE     | W7USB     | N9RC      |
| AB9DU     | N9RG         | W4DL             | AC9GK     | WD6T      | VE3CFK    |
| AF5BG     | N9UDX        | W4R XR           | EI3IO     | WD9IOK    | W2GW      |
| DL1SMA    | NE2U         | W7HDD            | K1UU      | WI6Z      | W2SKI     |
| JH4JNG    | VE3VCF       | WA2BTR           | K4LRP     | XE1MM     | WN0L      |
| K1HC      | W0HRO        | WA5MD            | K5MJP     |           |           |
| K1KA      | W1HY         | WK3N             | KB3MXK    | <b>82</b> | <b>78</b> |
| K3CWF     | W2JEK        | WV8O             | KC0V      | AD4IE     | IZ8EDJ    |
| K3UAL     | W2OK         | XE1SOV           | KE4DRF    | CB0ZA     | K2QPN     |
| K4AAP     | W4ZMM        |                  | KK4AND    | K3RJK     | SP5QWB    |
| K4FTP     | W6VNQ        | <b>87</b>        | N2RJ      | K4JMX     | TG9AWS    |
| K4XZ      | W9HT         | AC0A             | N4LS      | KA5WSS    | W4NE      |
| K6UIP     | WA7SDI       | AG4I             | NJ1Q      | KC5YKX    |           |
| K8EAB     | WB3IAL       | K4JC             | VE3GFN    | KG4KVZ    | <b>77</b> |
| KA5TJI    | WM6Y         | K5UZ             | VE7DAY    | N1SF      | K1IFJ     |
| KB5FHK    | WQ5C         | K5WO             | W1WV      | PU8TEP    | MI0AYR    |
| KB7BSA    | WR5AY        | KB1VUN           | W3STU     | W5DAS     |           |
| KK4DZP    | XE2NL        | KC8NAH           | W4IT      | W7YOZ     |           |

|                                                                                                       |                                                                |                                                                              |                                                            |                                                    |                                                                                   |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>76</b><br>K0WYN<br>K6MAA<br>KI4CYB<br>KI7WXP<br>N1GNB<br>N2MH/4                                    | W2QO<br>W4GP                                                   | <b>60</b><br>HB9BIN<br>IZ4DPV<br>KP4JFR<br>S55DX<br>UR9QQ                    | YL3HA                                                      | <b>36</b><br>JA1WSK                                | <b>24</b><br>EI2JD<br>F1RAF<br>F4BDG<br>HB9G<br>KS4YX<br>ON6AB<br>PA7TWO          |
| <b>75</b><br>G4RGK<br>K3PP<br>K6VHF/HR9<br>K8QM<br>N5GH<br>NP3YL<br>W4LVH<br>W5UC<br>WP4NEG<br>ZL3AAU | <b>69</b><br>K3WGR<br>W1YM<br>WD4LBR<br>YL2JZ                  | <b>58</b><br>KC6NBI<br>SV8CS<br>WA2MUA                                       | <b>47</b><br>HB9RYZ<br>JE1VTZ<br>N6PAZ<br>XE2X             | <b>35</b><br>GI4OWA<br>LU9DO<br>UR5WA              |                                                                                   |
|                                                                                                       | <b>68</b><br>AA4S<br>EH7CD<br>K6CF<br>KJ7TEA                   | <b>57</b><br>IK1ZOF<br>JL1UXH<br>JL3MCM<br>N5LJL<br>WD5GRW                   | <b>46</b><br>HB9RUZ                                        | <b>34</b><br>G4SEU<br>JL3LSF<br>LA2QM              | <b>23</b><br>GM4ILS<br>K4SLC<br>KP4EIT<br>W8MK                                    |
|                                                                                                       | <b>67</b><br>JG2TSL<br>KF4JHG<br>W7YED                         |                                                                              | <b>45</b><br>JA6WJL<br>K4TXJ                               | <b>33</b><br>W8GC<br>WB4SON<br>WB8TGY (EN72)       | <b>22</b><br>9H1SP<br>IZ3ENH                                                      |
| <b>74</b><br>AK8B<br>CX4AAJ<br>HB9ALO<br>KF2TI<br>LU4FPZ<br>VE6SO<br>VK4CZ<br>WC6DX                   | <b>66</b><br>K6KLY<br>KK4YEL<br>UX1UA                          | <b>56</b><br>KI5WA<br>LU8ADX<br>NI6T                                         | <b>43</b><br>8P6SH<br>CT1EEN<br>K4ZIN                      | <b>32</b><br>DM2RM<br>N3LRH<br>SM6WET<br>ZL3TE     | <b>21</b><br>EA1YN                                                                |
|                                                                                                       | <b>65</b><br>JA1XEC<br>K4IM<br>K5EJ<br>N7UJJ<br>OK1MP<br>W4CCS | <b>55</b><br>LA3MHA<br>SP5APW<br>WA2EMF                                      | <b>42</b><br>W0PR                                          | <b>31</b><br>K7TM                                  | <b>20</b><br>CX1FK<br>I1FQH<br>JM1KVV<br>N1WC<br>PY5EW<br>W8LR                    |
| <b>73</b><br>JF1IRW<br>VP2MJD<br>W4WT                                                                 | <b>64</b><br>K3BQ<br>WD5GRW (EM13QC)                           | <b>54</b><br>AG4KI                                                           | <b>41</b><br>E75AA<br>LA6OP                                | <b>30</b><br>E72X<br>JO7WXN<br>WA6DNR              | <b>19</b><br>DL1TS<br>EA6BB<br>JI4WAO<br>JR3UIC<br>PY2HN<br>SP8NR<br>VE6TA (DO31) |
| <b>72</b><br>N4II<br>PV8ADI                                                                           | <b>63</b><br>EA1DR<br>HL2EIZ<br>KB0RFY                         | <b>53</b><br>K0BBC<br>PP1CZ                                                  | <b>40</b><br>HA5PT<br>JF1LMB<br>JR0QFA<br>WB8TGY           | <b>29</b><br>HL2WA<br>OE4VIE                       |                                                                                   |
|                                                                                                       |                                                                | <b>51</b><br>CT1ETE<br>N8OFS<br>OH4UI<br>VE9FCP                              | <b>39</b><br>AA5PK                                         | <b>28</b><br>CT8/K0RUI<br>JA6CRP<br>K0FMI<br>OH3DP | <b>18</b><br>AJ6V<br>HL4GAV<br>KJ4EU<br>W0HBH                                     |
| <b>71</b><br>K0GW<br>K4GK<br>K5WPN<br>NP4TT<br>W2YR<br>W3FGP<br>WC5M                                  | <b>62</b><br>K4DXA<br>N6ZDH                                    | <b>50</b><br>N8MR                                                            | <b>38</b><br>DD3KF<br>DG7RO<br>DU1EV<br>K8YSE              | <b>27</b><br>E70A<br>KC9ELU<br>WP4NIX              | <b>17</b><br>G3LZQ<br>PY2XAT<br>SP5XMU<br>SV8CKM<br>W0JM                          |
| <b>70</b><br>GI4SJQ<br>K4BNC<br>KC0ZRX<br>N6GEO                                                       | <b>61</b><br>CU3AN<br>K4MLB<br>N0GVK<br>US5WE                  | <b>48</b><br>G8BQX<br>HL2IFR<br>JA9KRO<br>K0BBC/R<br>KI5KC<br>N6DBF<br>NP3IR | <b>37</b><br>BA7NQ<br>HL4CJG<br>JA9APS<br>JH9DRL<br>OE3SGU | <b>26</b><br>DS4AOW<br>WB7QXU                      |                                                                                   |
|                                                                                                       |                                                                |                                                                              |                                                            | <b>25</b><br>EA4/K1WE                              |                                                                                   |

|                                                                                                         |                                                                                                                   |                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>16</b><br>N6VHF<br>TI2CDA                                                                            | <b>10</b><br>DL4CF<br>HB9BOS<br>JH8RZJ<br>JI2UDK<br>KA5WRG<br>PA5KT<br>SV2DCD<br>TF3Y<br>UR7DWW                   | <b>5</b><br>DL5LH<br>EA1AAA<br>EA7ZY<br>G6MXL<br>IK8GYS<br>JI5USJ<br>JJ1IDW<br>KB8VAO<br>M1VPN<br>MU0GSY<br>OK1IN<br>ON5UE<br>PP2RON<br>SK6QA<br>VE2NGH<br>VR2XMT<br>W1ZR<br>W2ZF<br>YL2CZ | SA7CJO<br>SV1VN<br>US0YA<br>W1CBY<br>WD9EWK (DM43)<br>YB1TJ<br>YL2CA<br>YL2MU                                                                                                                                                                                                     | DL4ZAB<br>DL8GAM<br>DS5DNO<br>DS5TOS<br>EA3WD<br>EA4GQS<br>F1VEV<br>G4CFS<br>G4VSS<br>G7SQS<br>G8TTI<br>IK5BSC<br>IW0AFS<br>IZ0BT<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<br>ON6NA<br>OZ1IKY<br>PU5SVE<br>SM3GBA<br>SM6LPG<br>SQ7EXY<br>SQ5NRY<br>UN8G<br>UR5EDX<br>VR2VGM<br>WB7VUF<br>YO8WW |
| <b>15</b><br>9K2BM<br>EI2GLB<br>HB9FMN<br>HB9HIT<br>JE2UFF<br>LU5FF<br>PY2RN<br>UT3UA<br>WC2C           | <b>9</b><br>DL7BA<br>EB1EWE<br>EC7ZK<br>G6BFP<br>HB9GWJ<br>IK3ITB<br>JA1MZL<br>JA2FGL<br>JE1LFX<br>KD3UY<br>S51NM | <b>4</b><br>CT7/RC2A<br>DD6UAH<br>EK/RX3DPK<br>F1DFR<br>GM4CFS<br>GM4KHE<br>IV3GOW<br>JH7IMX<br>JH7IPR<br>JK6DXD<br>UT5EL<br>VK4ZP<br>XE1SAX                                               | <b>2</b><br>5B4ALJ<br>6K5XZE<br>9A2GA<br>9K2NO<br>BV6CC<br>CO6CBF<br>DF3VG<br>DF8FT<br>DK1CO<br>EH4BPJ<br>ES8JX<br>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>K4KZM<br>K7LY<br>KEN IN NEBRASKA |                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>14</b><br>EA8MT<br>IW3GJF<br>JA2XCR<br>KB8DVT<br>PA7RA<br>PV8RR<br>PY2OC<br>W9TTY                    | <b>8</b><br>DK2LO<br>G1VDP<br>JA1CPU<br>JE3PCP<br>JJ2NWI<br>N8RO<br>OH8LXT                                        | <b>3</b><br>DF1ZN<br>DJ5AV<br>DL2KQ<br>EA1AR<br>EA4D<br>G3LHJ<br>HA9PP<br>HL2ZN<br>IK0WRB<br>IK8EPC<br>JI1CHH<br>JM1GHT<br>JN1BPM<br>JR6IQI<br>KC0Y<br>PY5IP                               |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>13</b><br>K4AKX<br>K4WY<br>PY2MC<br>W4PWF                                                            | <b>7</b><br>DH0GSU<br>G8APB<br>IZ0INX<br>JA2NDQ<br>LA3DV<br>N5ORT<br>NJ4Y<br>UR5FEO<br>ZS4TX                      |                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>12</b><br>EA3GP<br>F4ESV<br>HB9DDZ<br>IK2RPE<br>JK1UNZ<br>JN1RQV<br>N1IW<br>ZS6WB                    |                                                                                                                   |                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>11</b><br>A65BR<br>DL2OE<br>EA4DAU<br>EA4ZK<br>G4CTY<br>IZ4GWE<br>JA2KVB<br>JA6QHJ<br>PY2DV<br>PY2GM | <b>6</b><br>CT2FEY<br>DL1TRK<br>DU0A<br>EI2JC<br>JA7NGE<br>JG1JPE<br>PY2VA                                        |                                                                                                                                                                                            | <b>1</b><br>3A2MW<br>9A2EY<br>AJ6T (EM66)<br>BD4UJ<br>CT1AHU<br>DH8BQA<br>DJ3ZF<br>DL2DCX                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                               |