

## ARRL - Fred Fish, W5FF Memorial Award

The ARRL awards the Fred Fish, W5FF Memorial Award to amateurs who submit confirmations for contacts with all 488 Maidenhead grid squares in the 48 contiguous United States on 6 Meters. The following listing contains the call signs and FFMA totals as recorded at ARRL HQ today (15 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> | N9UM       | <b>485</b> | <b>477</b> | WX7M       |
| AA0MZ      | ND0B       | K1USA      | N5KO       |            |
| AA5AM      | W0FY       | K9MU       | N7ZO       | <b>465</b> |
| AA5C       | W0JW       | N0POH      | NC6K       | N4JQQ      |
| AA7A       | W0LGQ      | N5WS       | W6XK       | XE2K       |
| AI5I       | W3CP       | W5VY       |            |            |
| K0GU       | W4UDH      |            | <b>474</b> | <b>464</b> |
| K0SIX      | W5ADD      | <b>484</b> | K7KQA      | KB9OWD     |
| K0TPP      | W5AFY      | AD6D       | ND4X       |            |
| K1TO       | W5AJ       | AF5CC      |            | <b>463</b> |
| K1TOL      | W5EME      | AI1K       | <b>473</b> | KB8VAO     |
| K4PI       | W5FF       | WQ0P       | NQ7R       | NI0G       |
| K4XO       | W5KI       |            | VE3EK      | W5XC       |
| K5ND       | W5OZI      | <b>483</b> | WB0O       |            |
| K5RK       | W5TRL      | AC0RA      |            | <b>462</b> |
| K5UR       | W7GJ       | W0VTT      | <b>472</b> | N6ORB      |
| K5WE       | W7JW       | WA7HQD     | KB7ME      |            |
| K7BG       | W7KNT      | WB0ULX     | WD8JJA     | <b>461</b> |
| K7CW       | W7MEM      |            | WE9R       | NA9RB      |
| K7ULS      | W9FF       | <b>482</b> |            | W3UR       |
| K8SIX      | W9JN       | K0BJ       | <b>471</b> |            |
| K9CT       | W9RM       | N4WW       | N9PGG      | <b>460</b> |
| KA9CFD     | W9XX       |            | W0RH       | K5OMC      |
| KA9FOX     | WD5K       | <b>481</b> |            | K8ZM       |
| KD5M       | WQ5S       | KC7QY      | <b>470</b> | KF0M       |
| KG5CCI     | WS9V       | W9VHF      | K4SO       |            |
| KM0A       |            |            | K5RT       | <b>458</b> |
| KM0T       | <b>487</b> | <b>480</b> | N4SIX      | K9NW       |
| KO9A       | K7MAC      | K5GZR      | W07R       | KG5THG     |
| KR7O       | K9YY       | KC7V       |            | N9BCA      |
| KV5W       | N0AKC      | N4TB       | <b>469</b> | NE1B       |
| KX4R       | N7CW       | N5EKO      | AJ4F       |            |
| N0LL       | N7IR       | XE2OR      | K4MY       | <b>457</b> |
| N0LWF      | N9ISN      |            | K7PI       | K4HB       |
| N0PB       | NA6L       | <b>479</b> | N7BAV      | W9WO       |
| N0TB       | W3IP       | W5WVO      |            |            |
| N1AV       | XE2CQ      | W9RN       | <b>467</b> | <b>456</b> |
| N3SL       |            | WB9CIF     | K3SX       | AJ4A       |
| N3XX       | <b>486</b> |            | NY0V       | N4QS       |
| N5DG       | KY7M       | <b>478</b> | W5THT      |            |
| N5NA       | N0KE       | AD1C       |            | <b>455</b> |
| N5OMG      | N7KA       | AE5B       | <b>466</b> | K9MK       |
| N6JV       | W5ZN       | K6ZH       | KA0JGH     | KF8MY      |
| N7NW       | WD5COV     |            | KB6NAN     | WA9DU      |
| N9LB       |            |            | NA6MG      | XE2X       |

|                                                 |                                              |                                                                |                                                  |                                                        |
|-------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|
| <b>454</b><br>WB7CJO                            | K4ZOT<br>N2QT<br>N4TL<br>NJ6D                | W5JAY                                                          | W4TV                                             | <b>402</b><br>K3FM                                     |
| <b>453</b><br>K4YMQ<br>K6EID<br>KB9DAK<br>N9FN  | <b>441</b><br>K8TB<br>K9KLD                  | <b>425</b><br>K6ML                                             | <b>413</b><br>AE5FM<br>WA9LFO                    | <b>401</b><br>K4CKS<br>KM3V                            |
| <b>452</b><br>KK4MA<br>N5BO<br>N8YO<br>N9BX     | <b>440</b><br>W2IRT                          | <b>424</b><br>K6JJ<br>N4UFP<br>N9AKR<br>W3EP<br>W5PR<br>WB8BPU | <b>412</b><br>VE2XK 6M FN07P                     | <b>400</b><br>KT8O<br>W0JRP<br>W3UUM<br>W7FI           |
| <b>451</b><br>K1HTV<br>K5WBM<br>KD3CQ<br>WA1EAZ | <b>439</b><br>K8ROX<br>N4QWZ<br>N5TJ<br>NM5U | <b>423</b><br>W4DR                                             | <b>411</b><br>N1EVK<br>N9EAT<br>WR7X             | <b>399</b><br>NN4R                                     |
| <b>450</b><br>W0MU                              | <b>436</b><br>NZ3M<br>W3TC<br>WB8ART         | <b>422</b><br>K0DD<br>VE6WQ<br>WB5JID                          | <b>410</b><br>K3UA<br>KB0V<br>KE7SW<br>KI8G      | <b>398</b><br>N8IEZ<br>W1NG                            |
| <b>449</b><br>KF6HI<br>N8OC<br>W8TN             | <b>435</b><br>KF6A                           | <b>421</b><br>NE6I<br>NP4EI/W7                                 | <b>409</b><br>K5PI<br>N5SYV<br>N9JR<br>VE3DS     | <b>397</b><br>AB4EJ<br>KE4TH<br>KI0E<br>W8LMG          |
| <b>448</b><br>K4XP<br>KP4AJ<br>W3LPL<br>WB8ZBT  | <b>434</b><br>AA1ON<br>K1SIX<br>VE3LYC       | <b>420</b><br>AD5A                                             | <b>408</b><br>K7SMA<br>W7BA<br>WA1NLG            | <b>396</b><br>AB4SF<br>AG4W<br>KB8U<br>N3OC            |
| <b>447</b><br>AH0U<br>KS7S<br>N2NL<br>N4SC      | <b>433</b><br>AB9BH<br>KE8KMX<br>WW1L        | <b>419</b><br>K7NN<br>W0GN<br>W5AL                             | <b>407</b><br>W4AS<br>W5CIA<br>W7Yaq             | <b>395</b><br>AA5XE<br>K0AZ<br>K5XM<br>KF7CQ<br>WB4EVH |
| <b>445</b><br>KG7CW<br>KU7Z<br>N4LR             | <b>432</b><br>K3FRK<br>K6GXO<br>N6KK         | <b>418</b><br>N4UFO                                            | <b>406</b><br>AK3E<br>K6FG<br>K8EB               | <b>394</b><br>K6RO                                     |
| <b>444</b><br>K4SSO<br>W3LL                     | <b>431</b><br>K0TLM                          | <b>417</b><br>AA5JF<br>N4HN                                    | <b>405</b><br>AA4SC<br>K1GG<br>K5CKS<br>NE9U     | <b>393</b><br>K7XB<br>K7XC<br>KD5XB<br>KV7N            |
| <b>443</b><br>AB4IQ<br>K5XI<br>N4MM             | <b>430</b><br>K1TEO                          | <b>416</b><br>AC9DX<br>K4RWP<br>K7ND<br>KO4MA<br>NI0P          | <b>404</b><br>N2ZX<br>NH6T/W4<br>VE4EAR<br>W5SUM | <b>392</b><br>AF4HX<br>K5HPT<br>W6OMF                  |
| <b>442</b><br>AG9S                              | <b>429</b><br>K5TA<br>K8ZR<br>WA5JCI         | <b>415</b><br>K7AWB<br>K8JH<br>W0GJ                            | <b>403</b><br>K6VHF<br>NY1V                      | <b>391</b><br>W4AVY<br>W6TMD                           |
|                                                 | <b>428</b><br>K9APW                          | <b>414</b><br>K0DEQ<br>K2TER<br>KM8V<br>N0GZ                   |                                                  |                                                        |
|                                                 | <b>426</b><br>N5OK                           |                                                                |                                                  |                                                        |

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|----------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>390</b><br>KZ2I<br>WF7T                                     | <b>376</b><br>K8GI<br>K8VFX                                                  | W1JR<br>W4NH                                                           | <b>350</b><br>N6VI<br>WB4KTF                                         | VE3SXE<br>W4MAY<br>W9XA<br>WA5KBH                                                          |
| <b>389</b><br>W5MO                                             | <b>375</b><br>K6QG<br>WB4OQX                                                 | <b>362</b><br>WA5OLT                                                   | <b>349</b><br>K1GJQ<br>KA0BAD                                        | <b>337</b><br>K8ZES<br>W9EWZ<br>WA5RT<br>WW0E                                              |
| <b>388</b><br>K0IP<br>W4WRL                                    | <b>374</b><br>K0TT<br>KV7K<br>N6GP<br>N7DB                                   | <b>361</b><br>K8BL<br>K9NR<br>KB1EFS<br>N1KDO<br>N8KOL<br>NG4C<br>W4ER | <b>348</b><br>N1JFU<br>NJ7G                                          | <b>336</b><br>FG8OJ<br>K5KDX<br>K7BV<br>K9QVB/9<br>VA2WA<br>WO9S                           |
| <b>387</b><br>KV4T<br>N0FJP<br>N4CH                            | <b>371</b><br>AA4ZZ<br>N3PS<br>WA6BYA                                        | <b>360</b><br>K6UM (CN85)<br>W0NOZ                                     | <b>347</b><br>W2HRO                                                  | <b>335</b><br>AK0MR<br>K0VG<br>K5FUV<br>K5FZ<br>K9QVB<br>KB4MRX<br>KN4NN<br>W9GKA          |
| <b>386</b><br>JA7QVI<br>KF9UG<br>N7IJ<br>W5TFW<br>W7AH<br>WE4S | <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>346</b><br>N9XG                                                   | <b>334</b><br>AD7OV<br>K0OOK<br>K3TRM<br>N4UFO (EM95)<br>N9DR<br>VE1JBC<br>W3ATV<br>WB5TOI |
| <b>385</b><br>K0JDD<br>NK1K<br>VE6MB<br>W4WTA                  | <b>369</b><br>KF8UN<br>N2DPF                                                 | <b>358</b><br>K5RLA                                                    | <b>344</b><br>K6FW<br>KB0PE<br>W1OW                                  | <b>333</b><br>AA4LR<br>K0TC<br>KM4HI<br>N0IGZ<br>W3GQ<br>XE1YY                             |
| <b>384</b><br>K8ROK<br>N2WK<br>W8OP                            | <b>368</b><br>N4JP<br>W5RCI<br>W6GMT                                         | <b>357</b><br>K4LVV<br>WA9PWP                                          | <b>343</b><br>K1ST<br>K5EK<br>KK0DX<br>N3RC<br>N3YT<br>N6KZ<br>N8HRZ | <b>332</b><br>AA7UN<br>N4JDB<br>N7KDT<br>VA3IKE<br>W9GM                                    |
| <b>382</b><br>N8LRG<br>VE3YXO                                  | <b>367</b><br>KC4HW                                                          | <b>356</b><br>K7PT                                                     | <b>341</b><br>KD7DCR<br>N9LF<br>NX7U<br>WA7YAZ                       | <b>331</b><br>K0SRL<br>K8WDA                                                               |
| <b>381</b><br>W3VZ                                             | <b>366</b><br>KI7JA                                                          | <b>355</b><br>AA4FL<br>N3AIU (DM45)<br>W1DYJ                           | <b>340</b><br>N0AN<br>WA9M                                           |                                                                                            |
| <b>380</b><br>K7MCX<br>NK0S<br>WA5LFD                          | <b>365</b><br>K4JJW<br>K6EME<br>WA7PDC                                       | <b>354</b><br>KE8Y<br>NP4EI<br>NU6S                                    | <b>339</b><br>KE4BKL<br>N2ZZ<br>VA7FC<br>W5VAS<br>WB0OQV             |                                                                                            |
| <b>379</b><br>N8WNA                                            | <b>364</b><br>AB5EB<br>K0RAR<br>K5KEW<br>N6QQ                                | <b>353</b><br>AF2K<br>K0CS                                             | <b>338</b><br>AI9L<br>NA5Z                                           |                                                                                            |
| <b>378</b><br>KR4BD                                            | <b>363</b><br>VE7BV                                                          | <b>352</b><br>K7LOL<br>VE3XN<br>W0KKK<br>XE2ML                         |                                                                      |                                                                                            |
| <b>377</b><br>AB1OC<br>NT9E                                    |                                                                              | <b>351</b><br>W7IMC                                                    |                                                                      |                                                                                            |

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|------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------|
| KC0UDO<br>N4MW<br>W3TI                                                 | N3ALN<br>VA6SZ                                                  | <b>311</b><br>AC9S<br>KS4XQ<br>W2BZY<br>W5DB           | <b>300</b><br>AA4V<br>K0PHP<br>KB6VFC<br>N1RR<br>WA2BAH<br>WX2S        | <b>290</b><br>VE6TA (DO33)<br>WA8EFK                                     |
| <b>330</b><br>KB8MBC<br>KG6AY<br>W8PI                                  | <b>321</b><br>N0LD<br>N7RO<br>NC7B<br>NS4C<br>W9VA              | <b>310</b><br>N1NK<br>W9KVR<br>WO4DX                   | <b>299</b><br>KX7L<br>VE6WK<br>W1LE<br>W8UV<br>WB5GVY                  | <b>289</b><br>K2BLA<br>K4MM<br>K9FA<br>N5BCA<br>NQ7G<br>W4LTJ            |
| <b>329</b><br>AA1QD<br>N2JJ<br>W2OR<br>W8WG<br>W9DCT<br>WX4G           | <b>320</b><br>KG5EIU<br>N4DW                                    | <b>309</b><br>AA9RR                                    | <b>298</b><br>K0MLD<br>KD4WSC<br>KK8MM<br>N4IQ<br>W0JM                 | <b>288</b><br>K1NU<br>W1DU<br>W4HLR                                      |
| <b>328</b><br>K6ME<br>N5PT<br>W2CNS<br>WB3LHD                          | <b>318</b><br>W4HY                                              | <b>307</b><br>AG1A<br>KE5K<br>KS4S<br>W9RPM            | <b>297</b><br>N8YQX                                                    | <b>287</b><br>K8DP<br>KC7MRQ<br>N8CGY<br>W7CT<br>WA4NVM                  |
| <b>327</b><br>KJ5RC<br>N0YO<br>W2JU<br>W7YA                            | <b>317</b><br>KA8SYV<br>W1SKU                                   | <b>306</b><br>K4QE<br>KL7HBK<br>WV9L                   | <b>296</b><br>K4XR<br>K6YUI<br>KC7RW<br>XE1EE                          | <b>285</b><br>AB0S<br>K5CZD<br>K9UO<br>NS7K                              |
| <b>326</b><br>K2ZD<br>K6LMN<br>K6TDI<br>NG7M<br>W0PR<br>W3HDH<br>W7JLC | <b>316</b><br>DK8NE<br>K3FN<br>KA0ABA<br>W4UCK<br>W9BWR         | <b>305</b><br>K3VAT<br>K6UM (CM88)<br>KT1J<br>N4SV     | <b>295</b><br>KE4P<br>N6AR<br>N7NT                                     | <b>284</b><br><br>AB0RX<br>AD4ES<br>K0KP<br>K4DET<br>KL0S<br>NJ2F (EL96) |
| <b>325</b><br>KF2T<br>WA2AEY<br>WX0Z                                   | <b>315</b><br>K0PG<br>K5VH<br>KM3T<br>NY2NY<br>WA8ZID<br>XE1AO  | <b>304</b><br>K6IPF<br>NS4T<br>WA0GUD<br>WA8MCD        | <b>294</b><br>K6JSV                                                    | <b>283</b><br>N5OHL<br>NA5DX<br>WA0FQK<br>WB0CQO                         |
| <b>324</b><br>HC2FG<br>K9SH<br>KU4A<br>N2BJ<br>VE3TMG                  | <b>314</b><br>KU4XO                                             | <b>303</b><br>EA8DBM<br>K8TGC<br>K8TL<br>N7LAN         | <b>293</b><br>K3AX<br>K4KJZ<br>N4JJ<br>N4MI<br>W2GKR<br>W4VC<br>WA2IIE | <b>282</b><br>AA0ZP<br>N8JCM<br>W4WM                                     |
| <b>323</b><br>N8II<br>W8KEN<br>WO2T                                    | <b>313</b><br>JE1BMJ<br>N6NR<br>N7UVH<br>NF4A<br>W4GLV<br>W5RKN | <b>302</b><br>K2UU<br>KB2TGU                           | <b>292</b><br>KJ6P<br>N4ST<br>W1SSN                                    | <b>281</b><br>AA8MA<br>JR1LZK<br>K4OY<br>NL7CO<br>W2YE                   |
| <b>322</b><br>JG1TSG                                                   | <b>312</b><br>AF6O<br>K4NNX<br>KA2GOJ<br>N3KN                   | <b>301</b><br>N0HJZ<br>W3SW<br>W7IB<br>W9OBG<br>WB0TVY | <b>291</b><br>W1WHL<br>W2CCC<br>WI7P                                   |                                                                          |

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|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>280</b><br>N0KV<br>NM5Z<br>W1FKF                                              | <b>270</b><br>K4SPD<br>KC9FQD<br>N2LIV<br>NI3K<br>W4QK<br>W5DNT<br>W7JY<br>WZ9B  | K0NO<br>K7MDL<br>K9AAA<br>WB7QBS                                            | KL7NW<br>N8ZJN                                                                     | <b>247</b><br>JA1UAV<br>N5DD<br>W3TEF                                            |
| <b>279</b><br>N3JPU<br>N6PM<br>W0PPA<br>W0VHF (EL87)<br>W8GJ<br>XE1FAS<br>YV1DIG | <b>269</b><br>K2IE<br>K3ZO<br>KD5R<br>KF6XA<br>N5EPA<br>N5WD<br>VA2CY            | <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>246</b><br>K0DAS<br>K8YC<br>KK8X<br>N5TIT<br>W4FRA                            |
| <b>278</b><br>AA9D<br>AJ4W<br>K3JT<br>K3WA<br>N0LNO<br>N8BJQ<br>NN1N             | <b>268</b><br>K1DT<br>K6OJ<br>KI0HA<br>N9ZTS<br>W0KAN<br>WB9PNU                  | <b>261</b><br>AF2F<br>K3TWW<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>245</b><br>AE4M<br>N1IA<br>N3XF<br>VA3CW                                      |
| <b>277</b><br>AC7JM<br>PV8DX                                                     |                                                                                  | <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>244</b><br>K8DV<br>N3AIU (FM08)<br>N4JRY<br>VA3ZV<br>VE3VHB<br>W0VD<br>WD4IXD |
| <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>259</b><br>K1BD<br>KD4ADC<br>KG6I<br>KN5O<br>NY1E<br>VE6BMX<br>WA4YA     | <b>252</b><br>AB5A<br>CT1EEB<br>K1ACL<br>K3NK<br>N9ATF<br>NN4RR<br>VE6NTT          | <b>243</b><br>JA1QJI<br>K3TC<br>W4EJ                                             |
| <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>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>242</b><br>IT9IPQ<br>K3WW<br>KA3TCC<br>VE3SMA                                 |
| <b>274</b><br>KB1DMX                                                             |                                                                                  |                                                                             | <b>250</b><br>AA9LC<br>KS9J<br>NW6R                                                | <b>241</b><br>N6NU<br>W5LO                                                       |
| <b>273</b><br>KM4H<br>KV1J<br>VE6SH                                              | <b>265</b><br>N5KS                                                               | <b>257</b><br>K0CCM<br>K2KA<br>K5QE<br>KD4MYE<br>N5DTT<br>PY2XB<br>WA2HFI/0 | <b>249</b><br>CT1IUA<br>JR3REX<br>K8AO<br>KQ5U<br>N1GC<br>N5SMQ                    | <b>240</b><br>KK4ZUU<br>KO6LU<br>VA3HP<br>W1VT<br>WA2VJL                         |
| <b>272</b><br>KF8QL<br>KO4PRE                                                    | <b>264</b><br>AC8L<br>K4JAF<br>N0TK<br>N5AO<br>NF1O                              |                                                                             |                                                                                    | <b>239</b><br>KF4LVF<br>MD0CCE<br>W6RW<br>W9YOY/M<br>WA3SEE<br>WB1FLD            |
| <b>271</b><br>K7NII<br>KB7FUV<br>W3HHN                                           | <b>263</b><br>AK4PR                                                              | <b>256</b><br>JM1IGJ                                                        | <b>248</b><br>K1ZZ<br>W6VFA                                                        |                                                                                  |

|                                                                        |                                                                      |                                                                                |                                                                                                                            |                                                                                                            |
|------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>238</b><br>AA3GM<br>JP1LRT<br>W1MJC                                 | KE4UW<br>N4NX<br>NN5DX<br>W5LUA                                      | N0PSJ<br>N4ION<br>N5UWY<br>W4IFI<br>W5JMW                                      | KF7NN<br>N1SV<br>N2OA                                                                                                      | N5ITO<br>W8QID                                                                                             |
| <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>211</b><br>K9FOH<br>KD3HN<br>NE8S<br>PV8BR<br>W2ZDP<br>W5HNC<br>W6AER<br>W6KAP                                          | <b>204</b><br>K0OZ<br>LU2DX<br>WA3DRC                                                                      |
| <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>210</b><br>K3MSB<br>K9YC<br>KL7NO<br>N1TQ<br>N6UK<br>WQ9T                                                               | <b>203</b><br>K0VSV<br>K5HYT<br>K5LOW<br>N0HF<br>N8SYF<br>NXOI<br>W1RM<br>W3SZ<br>W9GFB<br>W9VOB<br>WA1KPD |
| <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>209</b><br>AA4IB<br>W5WGF<br>WA4NFO<br>XE2N                                                                             | <b>202</b><br>K1BZ<br>K5GJR<br>WC7X<br>WF8Z<br>WQ5W                                                        |
| <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>208</b><br>AI2N<br>CO8DM<br>KD5HIO<br>PV8ABC                                                                            | <b>201</b><br>AA7WB<br>KC5FP<br>K09V<br>KR0I<br>NN0K<br>NR2C<br>WA1MKE<br>WA9ASZ                           |
| <b>233</b><br>K1AFC<br>K3EA<br>N9NJS<br>VE7VZ<br>W8PAT<br>W9TD<br>XE1L | <b>224</b><br>JA8ISU<br>K2RET<br>NJ8J                                | <b>216</b><br>K7RB<br>N0IS<br>NE1F<br>W1AW<br>W5RWF                            | <b>207</b><br>K6US<br>N1BCL<br>N8NJA                                                                                       | <b>200</b><br>4A2MAX<br>K4YJ<br>K5DB<br>K6ZZ<br>LU4FW<br>N7PHY<br>N9AG<br>VA3VU<br>WB2AA                   |
| <b>232</b><br>K5FO<br>N9NJY                                            | <b>223</b><br>K7UA<br>N2ZA<br>NJ7A                                   | <b>215</b><br>AL7OC<br>K2SX<br>K9OHI<br>KI5FJ<br>N2YU<br>N6KW                  | <b>206</b><br>AA9JC<br>AB0CT<br>AK4Y<br>CT3MD<br>DJ5FI<br>K4GHS<br>K9YC (EN61)<br>KB0LYL<br>NA5Q<br>W0BNE<br>W4EJG<br>XE1J | <b>199</b><br>N3KFV<br>W4OEP<br>WB0YEA                                                                     |
| <b>231</b><br>K4MIJ<br>K6HEW<br>KF6GYM<br>W9XT                         | <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>205</b><br>AF4OD<br>K8SD<br>KE4HOA                                                                                      | <b>198</b><br>4O3A<br>AC8TO                                                                                |
| <b>230</b><br>K1ZE<br>KO4MM<br>VA3XJ<br>WB0WAO/8                       | <b>221</b><br>K5WMH<br>K6CQR                                         | <b>213</b><br>K3DFL<br>KI6X<br>W0NBC                                           |                                                                                                                            |                                                                                                            |
| <b>229</b><br>GD0TEP<br>K6RG<br>KB9RUG<br>KC0VDY<br>KD5IKG             |                                                                      | <b>212</b><br>AB5C<br>JF8QNF                                                   |                                                                                                                            |                                                                                                            |

|            |            |            |                  |            |
|------------|------------|------------|------------------|------------|
| N0UK       | <b>190</b> | <b>183</b> | WY7FD            | HP2AT      |
| N7EPD      | K5ER       | K5RQ       |                  | JA6RJK     |
| W8DM       | KC2DLD     | N0UBL      | <b>177</b>       | KC5GSK     |
| WA7KYM     | KN4PPD     | W2UDT      | AG4ZE            | KC5YCH     |
| <b>197</b> | N9UA       | WC4H       | K2QQ             | KI4TZ      |
| I0WTD      | W1ATV      |            | KI4BWW           | NS3L       |
| K3EGE      | W2OO       | <b>182</b> | NY4I             | W1PX       |
| N4BAF      | W4GE       | AJ6T CM87  | SM7FJE           | W6IA       |
| W3TW       | W8SP       | FP/KV1J    | W5ZG             | WA2KBZ     |
| W5CTV      | WB0DBS     | K5GMX      | WA8UEG           |            |
|            | <b>189</b> | K8WK       |                  | <b>170</b> |
| <b>196</b> | AC0W       | NZ1I       |                  | K3LL       |
| K0AIZ      | KC0MEA     | W9JJ       | <b>176</b>       | K9TVG      |
| K0NR       | WA5VKS     | XE1CL      | AD5ZA            | N8CN       |
| N5DUW      |            |            | EA5BY            | NA2U       |
| W2AMR      | <b>188</b> | <b>181</b> | JA1OVD           | W0PE       |
| XE2ED      | AD7KI      | AB9FN      | K0DI             | W4IHI      |
| XE2W       | KD4HLG     | K4CMS      | KX9X             | W4JKC      |
|            | W4AZR      | K5HDE      | N5QGH            | WK3V       |
| <b>195</b> | WA7VHF     | KB8YKR     | N8URE (FM19)     |            |
| AA4W       | WU9Q       | N3XJX      | N9ARX            | <b>169</b> |
| K2WJ       | WX9M       | N9MSG      | NP4BM            | K6XC       |
| K6VDP      |            | NY0A       | W5AFD            | KD5OMJ     |
| KG6WIK     | <b>187</b> | W4RBO      | WA5IPS           | N2BEG      |
|            | AA8R       | W9BS       | WW2R             | N5XES      |
| <b>194</b> | KQ0J       | WJ1B       |                  | VE3HHT     |
| K2MRK      | N2WM       |            | <b>175</b>       | W8KNO      |
| N3FA       |            | <b>180</b> | K3MD             |            |
| N9NFT      | <b>186</b> | K0OST      | NE5TX            | <b>168</b> |
| WF1H       | K8PT       | K4LYN      |                  | KG5ZMQ     |
| WK8A       | K9SG       | KC1MMC     | <b>174</b>       | W2PD       |
|            | KN7K       | N1RK       | K6WRL            | W8WEJ      |
| <b>193</b> | N0XLR      | N6PEQ      | KC0IYT           | W9HT       |
| K9AB       | N6ZE       | N6VH       | KC6ZWT           |            |
| KC5N       |            | W5HI       | KG7P             | <b>167</b> |
| KD2NF      | <b>185</b> |            | KU0A             | K4MQG      |
|            | AD6W       | <b>179</b> | N1MGO            | KB1YNT     |
| <b>192</b> | KD5BQT     | K1EP       | NA2NY (ex-NA1VT) | KB9REV     |
| AA6AA      | KU4UC      | KU4WD      | NA6O             | KE5EP      |
| N1LF       | N8XE       | N0LIE      | W3SO             | N0NHW      |
| N2NB       | NA2R       | N0MMA      | WA2PNI           | NO0T       |
| N3CAL      | PY5CC      | NH7RO      |                  | TG9ADQ     |
| N3NR       | W3OU       | VA3DPB     | <b>173</b>       | W1BAT      |
| N4LXB      | W5BPT      | W8LHP      | IC8TEM           |            |
| N4TV       | XE1R       | WA4QMQ     | K2ZZ             | <b>166</b> |
| W6MTR      |            |            | K5YPV            | JA3LZS     |
| W8FN       | <b>184</b> | <b>178</b> | KE4SCY           | KC2GHT     |
|            | AF5Q       | HB9EFK     |                  | N5VU       |
| <b>191</b> | K0DEW      | KA2AYR     | <b>172</b>       | NA1VT      |
| K0ITC      | KR4M       | KB0EO      | AB9KZ            | NC4RY      |
| K9CS       | N1IBM      | KB1RZA     | K5ZED            | VA3WEB     |
| KK6OH      | N3FX       | KG5RJ      | KI4PKW           | WB4KXS     |
| N9AMW      | N4BG       | N1ZUK      | KJ6HI            |            |
| WA2BKN     | N4DTF      | NQ2O       | VE2PN            | <b>165</b> |
| WA5CAM     |            | VE3NRT     | W4ABC            | K4DXT      |
| WD4JHD     |            | W0ZY       |                  | KD5HPT     |
|            |            | W1MAD      | <b>171</b>       | W0RIC      |
|            |            |            | AA4PB            |            |

|                                                                                              |                                                                                                                      |                                                                                                                            |                                                                                                                                                              |                                                                                                            |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>164</b><br>K2SD<br>K5VWW<br>KD0UHN<br>KF9US<br>W4CSW<br>WK7G<br>WQ7F                      | <b>157</b><br>K4FX<br>KB8GC<br>KC2WUF<br>WA7NB                                                                       | <b>150</b><br>KW4BY<br>N9LAH<br>VE3OAT<br>W7APM                                                                            | <b>144</b><br>K0TLG<br>K5TDW<br>K6JRA<br>K8MN<br>K8WU<br>N9DI<br>W5MPC<br>WO7GI<br>YV4NN                                                                     | <b>139</b><br>KC7JPC<br>KM2O<br>KU0G<br>N7T<br>NA2AA<br>TF3JB<br>W4OV<br>WB2JIL<br>WY0V                    |
| <b>163</b><br>K2JF<br>K2YSY<br>N5XZ<br>OE6IMD                                                | <b>156</b><br>IZ8FFA<br>K2KJ<br>N3RN<br>N9KO<br>VE7VDX                                                               | <b>149</b><br>AB6CF<br>IK7EOT<br>K4SAN<br>KK9H<br>W3UA<br>WB4VHF                                                           | <b>143</b><br>K6JBH<br>K9QFR<br>KB8RJS<br>W0HNM<br>W0UHL<br>WB0MMC<br>WM5H                                                                                   | <b>138</b><br>AC0XY<br>AI6O<br>KD7WPJ<br>KE0A<br>KE3D<br>KE8RO<br>KQ4KX<br>N3XH                            |
| <b>162</b><br>AF4GK<br>K0QB<br>KA1R<br>KD4TDI<br>UW5ZM<br>W9JJB<br>W9VS<br>WA1Z<br>WB0WAO    | <b>155</b><br>CT1BWU<br>K3TD<br>K6XN<br>N5RMS<br>N7AU<br>N9OBE<br>TG9ANF<br>VA3NQ<br>WV8DX                           | <b>148</b><br>AC0DQ<br>AG0A<br>K0RU<br>K7IU<br>KB2YSI<br>N0TM<br>N1TOR<br>N5ZBI<br>PV8AJ<br>W5DM<br>W6VNZ (CM88)<br>WB6RAB | <b>142</b><br>NA2X<br>NC4VA<br>W5SWV<br>WA5TKU<br>WS4V                                                                                                       | <b>137</b><br>N1SZ<br>N5JGK<br>SM7AED                                                                      |
| <b>161</b><br>K0KVR<br>K4EA<br>KB3CWQ<br>KK9M<br>N2YBB<br>V44KAI<br>VE3LC<br>W4HOG<br>WA1LAD | <b>154</b><br>AE4NT<br>KB9VMW<br>KW4OV<br>NZ6N<br>W3ZQN<br>W4DWS                                                     | <b>147</b><br>AF6AV<br>IZ1LBG<br>JR1BAS<br>K6PSP<br>KC1BUF<br>N8IK<br>VE3CX<br>W4YCC<br>W5WOX<br>WA0VPJ<br>WA3YGQ          | <b>141</b><br>K4AR<br>K9ATX<br>KT8TD<br>N9FIV<br>NV4B<br>W4FS<br>W4POT<br>W6ZI<br>WB9WHQ<br>WR7AY                                                            | <b>136</b><br>K0XXX<br>K4SX<br>KC5LK<br>KC9AXZ<br>KJ5RM<br>KV1E<br>NO1R<br>W2JCN<br>W4AVV<br>W7UV<br>XE2JS |
| <b>160</b><br>AB1QB<br>JA1AFR<br>K5IQ<br>WL7OU                                               | <b>153</b><br>AA4NC<br>AB4GG<br>K7AD<br>K7ZD<br>N1OFZ<br>N2ADV<br>N6DHZ<br>W3DQS<br>W5FI<br>W9DHI<br>W9ILY<br>WB5ZAM | <b>146</b><br>K2GW<br>K8YTO<br>KB0YH<br>KB5ZEA<br>KC2TN<br>KM5TY<br>N4HID<br>VA2RC<br>VE1VOX                               | <b>140</b><br>AC5DK<br>BA4SI<br>CO2WF<br>K7SAM<br>KC0MEZ<br>KC8TMU<br>KJ4KVC<br>N1EN<br>N3VOP<br>NJ0U<br>VA3FLF<br>VE3KY<br>W4GPM<br>W4TUN<br>W6DQ<br>WA4KXY | <b>135</b><br>CU3EQ<br>K4MWB<br>K8ZIZ<br>LY3W<br>N4DB<br>W6BXQ<br>WB8BZK<br>WW2DX<br>XE1H                  |
| <b>159</b><br>G0OIL<br>K4MZ<br>NS7B<br>W1EME<br>W4TTO<br>WB8NUT                              | <b>152</b><br>AA6I<br>N0RC<br>N1NUM<br>NU1T<br>UT7QF<br>WO4G                                                         | <b>145</b><br>KD7YZ<br>V31MD<br>VA3TTX<br>WA4JA                                                                            |                                                                                                                                                              | <b>134</b><br>AB1NS<br>AB4GE<br>AD4TT<br>C6ABB<br>GM4UYE<br>KE5FXE                                         |

|                                                                                                                                                          |                                                                                                                          |                                                                                                                                                           |                                                                                                                                                    |                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| KF6UFO<br>N3AIU (DN70)<br>N8GOU<br>W4TKI<br>WA3WZR                                                                                                       | KM5SC<br>N9WBR                                                                                                           | W3KN<br>W6SCQ<br>W7YM<br>W9CDL                                                                                                                            | VE1JC<br>VE3XK<br>WA6RAY<br>WD4OHD                                                                                                                 | <b>115</b><br>K9AAN<br>K9MMS<br>KE6TVM<br>KF0QS<br>KF9AF<br>KM5FA<br>N7VGO<br>VK9DX<br>WA3BZT<br>WC7V                                             |
| <b>133</b><br>KA5ETS<br>KC1RET<br>KE1VT<br>W0RT<br>WI5D<br>WW7Q<br>XE2O                                                                                  | <b>128</b><br>JR2LJO<br>KC7QAG<br>KJ6SDF<br>KN4DMN<br>N1SFE<br>NR1R<br>W0WT<br>W5ZO<br>W8FR<br>WB2WEO                    | <b>123</b><br>AC7AF<br>K9SM<br>KB0GT<br>KB0STN<br>KG6DHQ<br>VE3TG<br>W1HS<br>W3DIY<br>W3SE<br>W4PRZ<br>W5EWF<br>W7MHW<br>W8BI<br>W8KHP<br>WA8WV<br>WB2RVX | <b>119</b><br>AE5AU<br>K0AWU<br>K1ZN<br>K2SQS<br>K4MSG<br>K7JIZ<br>KF7PCL<br>KP3V<br>KT0P<br>KW7N<br>N4UPX<br>W0QC<br>W4SW<br>W7QQ<br>WI4T<br>WM9M | <b>114</b><br>AC8HU<br>K3RTU<br>KC4GCK<br>NF8M<br>VE1WOW<br>VE3IRR<br>W2JLK<br>W2ZQ<br>W4ALF<br>W4UFO<br>W5DWA<br>WO2C<br>WX4US                   |
| <b>132</b><br>AB3CV<br>K5VG<br>KW4G<br>N4PPH<br>N7TP<br>NE1I<br>VE3TM<br>WN6K                                                                            | <b>127</b><br>AA9RK<br>K3GYK<br>K7UV<br>K8AC<br>K8OS<br>KB3OZC<br>KB9TLV<br>KC0RQH<br>N6UTC<br>VE2JWH<br>W1FLD<br>WA6BIL | <b>122</b><br>K7AED<br>K7OGW<br>KA9JAC<br>KB4UF<br>KB5WFE<br>KC5UGX<br>N5HYV<br>VE6PY<br>VE7JAC<br>WD0GTY                                                 | <b>118</b><br>J68AS<br>K4AZV<br>KA4LBD<br>KF6MXK<br>KI7BP<br>KT8X<br>N1QDQ<br>N3JNX<br>N5EIL<br>W2AC / WB2ABK<br>W2AC/WB2ABK<br>WB2KSK             | <b>113</b><br>AB4PM<br>AD5MD<br>HB9BZA<br>K3DQB<br>KD4BPZ<br>KD6VCD<br>KM5OL<br>N3JDQ<br>N4YCI<br>N5YK<br>W0BM<br>W8MSP<br>W8VW<br>WD0ENC<br>WU3U |
| <b>131</b><br>K3NAT<br>KG9R<br>KT3X<br>N2CJ                                                                                                              | <b>126</b><br>KJ7G<br>N0BDS<br>N7DGI<br>WB4HUC<br>YL2AO                                                                  | <b>121</b><br>AE1P<br>K0MFI<br>K4HBI<br>KB2WAL<br>KB5MH<br>KE4JFS<br>NE0P/9<br>UR0MC<br>W8DN<br>WB9TFH                                                    | <b>117</b><br>AB5J<br>K4WS<br>N4USG<br>N5JEH*<br>N5LPT<br>NA7L<br>NU6V<br>W6WE<br>WA1TBV<br>XE2PXN                                                 | <b>112</b><br>K2MLS<br>K3GD<br>K5WTA<br>KA7T<br>N5HMH<br>W1TR<br>W5DQ<br>W6OAT<br>W7IV<br>W9PN<br>WA8TWM<br>WG3K                                  |
| <b>130</b><br>AB0X<br>G4BWP<br>K0GUR<br>K4JKB<br>K8LG<br>KC4NX<br>NG9R<br>NO8D<br>VE1DX<br>VE2TZT<br>W0PHX<br>W2LES<br>W3FEY<br>WA2SEI<br>WB4YDL<br>WW5W | <b>125</b><br>AA7DK<br>K3PU<br>KC5DRI<br>W2AJM<br>W3UQH<br>W4DFU<br>WA6POZ<br>WB4OMM<br>WE1P                             | <b>120</b><br>EA1YO<br>K2CYE<br>K4AU<br>K4CGY<br>KD0R<br>KD4MZM<br>KD5BRF<br>KE4SCY (FM06)<br>N3YPJ                                                       |                                                                                                                                                    |                                                                                                                                                   |
| <b>129</b><br>8P6ET<br>JF4VZT<br>K0KD<br>K5QWO<br>KC8KSK<br>KF4NEF<br>KM5LY                                                                              | <b>124</b><br>K0DLW<br>KB0HH (EM06)<br>KD5FTD<br>KM1C<br>KT5MR<br>N0SL<br>N9AZZ<br>PV8AAS<br>W1TAM                       |                                                                                                                                                           | <b>116</b><br>EA4DEI<br>K4RGN<br>KI6QDH<br>KU5B<br>N0VR<br>NO0B<br>W0DHB                                                                           |                                                                                                                                                   |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| WX3P       | W8EH       | WA4MYO     | <b>102</b> | <b>100</b> |
| XE1GK      | W9VNE      |            | AA9MY      | AC0FT      |
| <b>111</b> | <b>107</b> | <b>104</b> | AB8JH      | AI2S       |
| K8BB       | JA3EGE     | AB9YC      | AD6KH      | AI9U       |
| N0SLT      | K5UIC      | AC5K       | K0HAQ      | K2UA       |
| PC3T       | KF7PG      | AC5RN      | K3HW       | K4UQC      |
| W8GBH      | KI9A       | AC9QR      | K9AM       | K5GM       |
| WZ8P       | KK4LUM     | IK4DRY     | KA3ZLS     | K5KV       |
|            | N3TTT      | K5PPP      | KB8CR      | K8IJ       |
| <b>110</b> | N9OI       | KB9RNO     | KC6WFS     | K9CC       |
| K5KR       | NF0T       | KC1LXO     | KC8DMN     | KB9ZLB     |
| K7LD       | US0KW      | KC2TR      | KD8NYO     | KC2HLI     |
| KD5J       | W2TTT      | KD9GKL     | KE1AU      | KC8CC      |
| KI0F       | WB4PPW     | KJ7OG      | KJ4M       | KC9CMT     |
| KP4JRS     |            | KM6WXB     | KR5V       | KD3SW      |
| KQ4LA      | <b>106</b> | KO4LZ      | N1HOQ      | KE5CVM     |
| KX5U       | K0MEI      | N0STP      | VE7ZD      | KF0Q       |
| N5TIF      | K5BJW      | N1LDY      | W4RVZ      | KG5X       |
| N5YM       | K7BWH      | N2FBQ      | W5DPT      | KJ5OA      |
| W7JET      | K7JE       | N3UPS      | W5OV       | N3TBB      |
| W7UP       | KB0TIJ     | N7AGF      | W7UT       | N4NIA      |
|            | KC7ICM     | NJ1H       | W9NFL      | N5RZK      |
| <b>109</b> | KE5JXC     | VE2PIJ     | WA4IOB     | N5XTR      |
| AK6ZZ      | KJ6MBW     | W1TE       | WA8EQP     | N7EME      |
| IW1ARB     | KK2DOG     | W1ZE       | WB5FDP     | N8COP      |
| K2DSW      | N0RQ       | W4KVS      |            | N8XS       |
| K2JGL      | N1USB      | W6ZQ       | <b>101</b> | VP2MRM     |
| K2OO       | N2IPH      | W9EBK      | AE7V       | W2CH       |
| K5DNL      | N4CE       | W9MDB      | AI5WW      | W4/KL7GLL  |
| K9GY       | N5FPW      | WB2VUO     | K0IN       | W4OZK      |
| KE6GLA     | N5YHF      | WB8BZK/VE3 | K0SBV      | W8BZY      |
| KJ6CA      | N8HM       |            | K0WJ       | W9DQ       |
| KZ7N       | N9XMU      | <b>103</b> | K2NUD      | WA5TLP     |
| N8TMW      | VA3OKG     | AA5CK      | K5DWI      | WV9E       |
| N9TTX      | VE3AJY     | AB0YM      | K5HX       |            |
| VE3AAQ     | WB6VYH     | AB5SS      | K7SYS      | <b>99</b>  |
| W0YJT      | WQ9F       | K2OY       | KB1JDX     | AB0SD      |
| W1OP       |            | K4MVL      | KB4KBS     | AB3TM      |
| W4ZRZ      | <b>105</b> | K8ZEE      | KC6AWX     | G4FKA      |
| W5MPC/1    | AC4Q       | KA1W       | KC8CSD     | K0YO       |
| W7RJR      | DS4EOI     | KB0FHP     | KG8WB      | K4KEW      |
| WB6YIY     | K4SJA      | KB2SGX     | KG9IL      | K4WQ       |
| WB9W       | K9MAL      | KC9FFV     | KL2R       | K4ZO       |
|            | KB3JGS     | KF0AIJ     | KR4WM      | K5VPQ      |
| <b>108</b> | KC0JYT     | KF4DVG     | KR7LD      | K7DD       |
| CF3VRQ     | KC4KK      | KR4NO      | N1IX       | K7PAP      |
| JA9IPF     | KF4DGS     | N0YXE      | N4AOE      | K9ZZE      |
| JP7EIP     | KJ7TH      | N1JIF      | N8VEA      | KA0ZEE     |
| K5OPB      | N4NQY      | NF6P       | N9DVS      | KC2IEB     |
| N3MWQ      | N5SAN      | NN2D       | ON9CMR/W0  | KC6X       |
| VE3SUB     | N7YY       | VE7DXG     | VA2LGQ     | KD4MWO     |
| VE7IG      | NE9O       | W0TF       | W4LLP      | KD6RUH     |
| VY2RU      | PU4JOE     | W3LEO      | W5KBD      | KG9AP      |
| W4AMP      | VE3VRQ     | W6IT       | W7ISG      | KR4UA      |
| W4CRN      | W8MIL      | W6XU       | WB8IMY     | M5MYH      |
| W5AAJ      | W9RVG      | XE1RBV     | WD5IYT     | N4FV       |
|            |            |            |            | N7HRT      |

|             |              |           |           |           |
|-------------|--------------|-----------|-----------|-----------|
| N7JPF       | <b>97</b>    | KD6PY     | VE3SPW    | VE5MX     |
| N7TE        | AB8M         | KI5TE     | W4YZJ     | VE7AB     |
| N8GHZ       | AJ9C         | KM5NU     | W5ADA     | W2GR      |
| N8YV        | K0HB         | KR4EE     | W5CBF     | W3IPA     |
| N9MKC       | K0JQZ        | KS4V      | W5RCQ     | W3TA      |
| NB5R        | K0QEI        | KT5RR     | W7JWC     | W4LNG     |
| NH6CJ       | K0SH         | N0WVU     | W9SX      | W5ODD     |
| NI5W        | K0YQ         | N2LID     | WA2ONK    | W5PUF     |
| NS2P        | K3HZO (FN20) | N2VHZ     | WA3I      | W7NX      |
| VE2HAY      | K4GTR        | N2XK      | WA4WR     | WA7LHZ    |
| W2HOG       | K4JQU        | N8PAQ     | WB2SIH    | WA9BXB    |
| W2VU        | K8XF         | N8YBY     | WD8DOT    | WT9U      |
| W5JLC       | KA2BSK       | NT2A      | WS4S      | WV2I      |
| W6TJU       | KA7EII       | NW5Q      | XE2AT     | WV7S      |
| WA5TRX      | KC0YBM       | NY2Z      |           |           |
| WB5NHX      | KD5CKP       | VE2DCP    | <b>94</b> | <b>93</b> |
| WB7VVD      | KF4KSN       | VE6RGU    | AA4RP     | AG2A      |
| WK5X        | KM4NYI       | W1HMM     | AB4VT     | AG6CV     |
| WW2R (EL09) | KT5WB        | W3VHF     | AD1DX     | AI8F      |
| <b>98</b>   | N1VMJ        | W4KK      | AK8CW     | IZ4DPV    |
| AC2RL       | N3UMA        | W4TMR     | HK4SAN    | K0IW      |
| AD8Y        | N4BH         | W7JHS     | K0ARM     | K0RM      |
| K0KC        | N6MA         | WA3EEC    | K3BEE     | K1PTF     |
| K0UD        | N9APK        | WB0M      | K3TUF     | K1ZK      |
| K3IXD       | N9IO         | WB5KJE    | K4JRK     | K2AK      |
| K3QIA       | N9KY         | WP4LNY    | K4LDC     | K2MTS     |
| K4OP        | NK7C         | <b>95</b> | K8GT      | K4DAM     |
| K5HOB       | NU0Y         | AB9AI     | K9DOG     | K5TRI     |
| KA1EKR      | NV3K         | AE0G      | K9SUL     | K6RM      |
| KE4LGL      | VA3FIN       | AE5EO     | KA2F      | K7IP      |
| KG4YOU      | W3QT         | IK8YTA    | KA9UVY    | K7TRK     |
| KG7E        | W4CWA        | K1PNQ     | KB4YKC    | KB0USF    |
| KJ2G        | W4DAS        | K4ED      | KB7AK     | KC5TGT    |
| KK0CQ       | W4ID         | K8KFJ     | KC0AUY    | KC5TT     |
| KY0Q        | W7DN         | K8ME      | KC3AK     | KC9TTR    |
| N0JJQ       | WA6OSX       | K8VD      | KD4VRZ    | KC9UL     |
| N1JHJ       | WA9LEY       | KD7WH     | KE3WM     | KD0QG     |
| N3LRP       | WB8RVK       | KD8DR     | KF0LA     | KE6AZX    |
| N5TEY       | WB8ZTV       | KD9ZR     | KG4NLZ    | KE6UMW    |
| N8AID       | WE8L         | KI0SK     | KU4JZ     | KE8RPJ    |
| NO5X        | <b>96</b>    | KW9U      | KV3W      | KE9V      |
| NO8R        | AD5OW        | N1XK      | N0LNE     | KI0J      |
| VA3VF       | AE4TQ        | N2SLO     | N0LP      | KK7MNC    |
| VE4XTZ      | AK4F         | N2WLS     | N2SU      | N2BX      |
| W2KRP       | K2CK         | N3WAV     | N3JBH     | N2YTF     |
| W6TE        | K2UF         | N4ET      | N3XBG     | N3AO      |
| WA2FGK      | K2UNK        | N5BLY     | N3YUG     | N3ZBK     |
| WA3TLT      | K4EQH        | N5ENU     | N5ZMP     | N4GOA     |
| WB1GQR      | K5CRJ        | N5KI      | N6HY      | N4YHC     |
| WB2YDS      | K8EMR        | N9IV      | N6MXU     | N7EGY     |
| WD0E        | K9OT         | N9LJX     | N7NH      | N7JI      |
| WH6LR       | KA2NDX       | OE9KFV    | N7UN      | N7KSI     |
| WT5H        | KA3HED       | PY2KP     | N8WWM     | NA9D      |
| WV5Y        | KB5GI        | VA3KS     | N9DD      | VA3JFF    |
|             | KB8PNS       | VA3PZ     | N9UNX     | VA7QI     |
|             | KC0HBP       | VE3KZ     | VA3MA     | VE3WMD    |
|             |              |           | VE3RX     | VK5PJ     |

|           |           |                 |           |           |
|-----------|-----------|-----------------|-----------|-----------|
| W0MHK     | K1UR      | N4BRF           | K1RS      | WF4W      |
| W2VTV     | K4SPA     | N5BA            | K3TN      |           |
| W3ZGD     | K6YK      | N9JJ            | K4XD      | <b>86</b> |
| W4VG      | K7HPN     | VA3XOV          | K7CTV     | AG1T      |
| W5DMT     | K8OI      | W9CPV           | K7WV      | K7FB      |
| W7EIR     | KB2YWU    | W9CSY           | K7ZYV     | KA9OKH    |
| W7TRX     | KB3IAI    | WA2BEV          | K9JF      | KB7JJG    |
| W9IFW     | KB3NDS    | WA8OJR          | KB2KIR    | KI6HQT    |
| W9NED     | KB7AZ     | WD9HCF          | KC1GWX    | KN4MMH    |
| W9WI      | KC5POV    | WE7H            | KC3MLC    | KP4TB     |
| WA5ICA    | KC8LGL    | WEST SEATTLE AM | KA8EVR    | KT1R      |
| WB5CON    | KE1IU     | WH6LE           | KI2D      | N2NF      |
|           | KE7RTB    | WM7C            | KI4RFM    | N3MVF     |
| <b>92</b> | KG4QWC    | WT4C            | KJ4KW     | N8TFD     |
| K1EY      | KI3O      | XE3/K5ENS       | KQ4AJI    | NZ3O      |
| K5GDX     | KI5BLU    |                 | KU4S      | SV1RK     |
| K5TDA     | KM7N      | <b>89</b>       | N0OK      | UT9FJ     |
| K7FU      | KM9I      | AB1TZ           | N1CEO     | VA3MDB    |
| K7HKR     | KQ6K      | AG2AA           | N2MKT     | VA7LM     |
| K7UWR     | N3PPH     | AG7NR           | N2ZN      | VE7IRU    |
| KB0PQP    | N3WCM     | G4NBS           | N4CAG     | W8IW      |
| KC4JNW    | N6DW      | JQ1TIV          | N4GN      | WA1PMA    |
| KD4QMY    | N7CZ      | K4BMM           | N4KIN     | WB4GCS    |
| KE4WBO    | N8DEZ     | K5CX            | N4UC      | XE2AU     |
| KG4URP    | NR4J      | K5JAZ           | N5VBK     |           |
| KR7X      | NU4N      | KA0MWA          | NS3X      | <b>85</b> |
| N2SG      | VA2BBW    | KF4TVL          | NT4TN     | AC3KE     |
| N3GH      | W2SUB     | KI0G            | VE2VLJ    | AC9GK     |
| N4VN      | W4MLN     | KI4FW           | W2BZR     | EI3IO     |
| N5QO      | W5KDA     | KI4US           | W3YX      | K1UU      |
| N6FD      | WB0NRV    | KR4U            | W4DL      | K4LRP     |
| N6RPM     | WB7X      | N2GZ            | W4RXR     | K5MJP     |
| N7DED     | WC4V      | N5KAE           | W7HDD     | KB3MXK    |
| NS6E      | XE1GZU    | N8YSZ           | WA2BTR    | KC0V      |
| UT5JAJ    |           | N9RG            | WA5MD     | KE4DRF    |
| W1PV      | <b>90</b> | N9UDX           | WK3N      | KK4AND    |
| W2ACY     | AA0LM     | NE2U            | WV8O      | N2RJ      |
| W2CVW     | AB4WL     | VE3VCF          | XE1SOV    | N4LS      |
| W3ACO     | AB9DU     | W0HRO           |           | NJ1Q      |
| W3GP      | AF5BG     | W1HY            | <b>87</b> | VE3GFN    |
| W3HZU     | DL1SMA    | W2JEK           | AC0A      | VE7DAY    |
| W4BP      | JH4JNG    | W2OK            | AG4I      | W1WV      |
| W4LIA     | K1HC      | W4ZMM           | K4JC      | W3STU     |
| W6NS      | K1KA      | W6VNQ           | K5UZ      | W4IT      |
| W8JV      | K3CWF     | WA7SDI          | K5WO      | W4RA      |
| W9HBH     | K3UAL     | WB3IAL          | KB1VUN    | W6ST      |
| WA3JKB    | K4AAP     | WM6Y            | KC8NAH    | W7SIR     |
| WA4EEZ    | K4FTP     | WQ5C            | KE6WOX    | W8DQ      |
| WG8E      | K4XZ      | WR5AY           | KI6RRD    | W9QY      |
| WM3O      | K6UIP     | XE2NL           | N0ELA     | WA4WKL    |
|           | K8EAB     | XE3DX           | N2CJN     | WD4LSS    |
| <b>91</b> | KA5TJI    |                 | NE5S      | WF4R      |
| AA0CW     | KB5FHK    | <b>88</b>       | NI5F      |           |
| AD3Y      | KB7BSA    | AA4QE           | NN7RM     | <b>84</b> |
| CO2WZ     | KK4DZP    | AE0DX           | W8GOC     | CT3FT     |
| HB9ALO    | KW3DX     | AE4OF           | WB3IGR    | DS2JJV    |
| K0CFI     | N2ULL     | AF4MI           | WB8JAY    | K4EZY     |

|           |           |           |                  |           |
|-----------|-----------|-----------|------------------|-----------|
| KE6NDG    | KE4PT     | CX4AAJ    | K4IM             | <b>53</b> |
| N1KI      | KR4Q      | KF2TI     | K5EJ             | K0BBC     |
| N2NWS     | KW1DX     | LU4FPZ    | N7UJJ            | PP1CZ     |
| VE2WBK    | N2NS      | VE6SO     | OK1MP            |           |
| W8PU      | VY2HF     | VK4CZ     | W4CCS            | <b>51</b> |
| W8SGR     | W2DEN     | WC6DX     |                  | CT1ETE    |
| ZS6NK     | W5TTY     |           | <b>64</b>        | N8OFS     |
|           | W7AM      |           | K3BQ             | OH4UI     |
| <b>83</b> |           | <b>73</b> | WD5GRW (EM13QOV) | VE9FCP    |
| AA6E      | <b>79</b> | JF1IRW    |                  |           |
| DL5XJ     | JF1LMB    | VP2MJD    |                  |           |
| K1LH      | K4RW      | W4WT      | <b>63</b>        | <b>50</b> |
| K4SQC     | K5JBT     |           | EA1DR            | N8MR      |
| K8SIA     | KB4DSL    | <b>72</b> | HL2EIZ           |           |
| KB3HHA    | KP4N      | N4II      | KB0RFY           | <b>49</b> |
| KB9LIE    | N2COP     | PV8ADI    |                  | HB9RUZ    |
| KK7BV     | N5YJZ     |           | <b>62</b>        |           |
| KU4WW     | N9RC      | <b>71</b> | K4DXA            | <b>48</b> |
| N5PD      | VE3CFK    | K0GW      | N6ZDH            | G8BQX     |
| N6KTH     | W2GW      | K4GK      |                  | HL2IFR    |
| SV2AEL    | W2SKI     | K5WPN     | <b>61</b>        | JA9KRO    |
| TG9AKH    | WN0L      | NP4TT     | CU3AN            | K0BBC/R   |
| W7USB     |           | W2YR      | K4MLB            | KI5KC     |
| WD6T      | <b>78</b> | W3FGP     | N0GVK            | N6DBF     |
| WD9IOK    | IZ8EDJ    | WC5M      |                  | NP3IR     |
| WI6Z      | K2QPN     | <b>70</b> | <b>60</b>        | YL3HA     |
| XE1MM     | SP5QWB    | GI4SJQ    | HB9BIN           |           |
|           | TG9AWS    | K4BNC     | KP4JFR           | <b>47</b> |
|           | W4NE      | KC0ZRX    | S55DX            | HB9RYZ    |
| <b>82</b> |           | N6GEO     | UR9QQ            | JE1VTZ    |
| AD4IE     | <b>77</b> | W2QO      |                  | N6PAZ     |
| CB0ZA     | K1IFJ     | W4GP      | <b>58</b>        |           |
| K3RJK     | MI0AYR    |           | KC6NBI           | <b>45</b> |
| K4JMX     |           | <b>69</b> | SV8CS            | JA6WJL    |
| KA5WSS    | <b>76</b> | K3WGR     | WA2MUA           | K4TXJ     |
| KC5YKX    | K0WYN     | W1YM      |                  |           |
| KG4KVZ    | K6MAA     | WD4LBR    | <b>57</b>        | <b>44</b> |
| N1SF      | KI4CYB    | YL2JZ     | IK1ZOF           | DM2RM     |
| PU8TEP    | KI7WXP    |           | JL1UXH           | WO3T      |
| W5DAS     | N1GNB     | <b>68</b> | JL3MCM           | XE2YWH/1  |
| W7YOZ     | N2MH/4    | AA4S      | N5LJL            |           |
| W8GG      |           | EH7CD     | WD5GRW           | <b>43</b> |
| WA2ONG    | <b>75</b> | K6CF      |                  | 8P6SH     |
|           | G4RGK     | KJ7TEA    | <b>56</b>        | CT1EEN    |
| <b>81</b> | K3PP      |           | HB9HIT           | HB9AOF    |
| AB4I      | K6VHF/HR9 | <b>67</b> | KI5WA            | K4ZIN     |
| DF3CB     | K8QM      | JG2TSL    | LU8ADX           | LA6OP     |
| KE4DZU    | N5GH      | KF4JHG    | NI6T             |           |
| N6MM      | NP3YL     | KK4YEL    |                  | <b>42</b> |
| N7NEV     | US5WE     | W7YED     | <b>55</b>        | HA5PT     |
| NI4Y      | W4LVH     |           | LA3MHA           |           |
| W3MC      | W5UC      | <b>66</b> | SP5APW           | <b>41</b> |
| WA4ZXV    | WP4NEG    | K6KLY     | WA2EMF           | E75AA     |
| WA8ZNC    | ZL3AAU    | UX1UA     |                  |           |
| <b>80</b> | <b>74</b> | <b>65</b> | <b>54</b>        | <b>40</b> |
| AC6BW     | AK8B      | JA1XEC    | AG4KI            | JR0QFA    |
| K7FR      |           |           | JR2SQZ           | WB8TGY    |

|                                                                      |                                                                                             |                                                                                       |                                                                                                                   |                                                                                                                                                                                                                    |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>39</b><br>AA5PK                                                   | JR7ILA<br>K0FMI<br>OH3DP                                                                    | W0HBH                                                                                 | KA5WRG<br>PY2DV<br>PY2GM                                                                                          | PY2VA                                                                                                                                                                                                              |
| <b>38</b><br>DD3KF<br>DG7RO<br>DU1EV<br>HL4GAV<br>K8YSE              | <b>27</b><br>KC9ELU<br>WP4NIX                                                               | <b>17</b><br>G3LZQ<br>PY2XAT<br>SP5XMU<br>SV8CKM                                      | <b>10</b><br>DL4CF<br>HB9BOS<br>JH7IMX<br>JH8RZJ<br>JI2UDK<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>M1VPN<br>MU0GSY<br>OK1IN<br>ON5UE<br>PP2RON<br>SK6QA<br>VE2NGH<br>VR2XMT<br>W1ZR<br>W2ZF<br>YL2CZ                                   |
| <b>37</b><br>BA7NQ<br>DS4AOW<br>HL4CJG<br>JA9APS<br>JH9DRL<br>OE3SGU | <b>26</b><br>WB7QXU                                                                         | <b>16</b><br>N6VHF<br>TI2CDA                                                          | <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>IV3GOW<br>JH7IPR<br>JK6DXD<br>UT5EL<br>VK4ZP<br>XE1SAX                                                                                           |
| <b>36</b><br>JA1WSK                                                  | <b>25</b><br>EA4/K1WE                                                                       | <b>15</b><br>9K2BM<br>EI2GLB<br>HB9FMN<br>LU5FF<br>PY2RN<br>UT3UA<br>WC2C             | <b>8</b><br>DF1ZN<br>DH0GSU<br>DK2LO<br>G1VDP<br>JA1CPU<br>JE3PCP<br>JG1JPE<br>JJ2NWI<br>N8RO<br>OH8LXT           | <b>3</b><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<br>SA7CJO<br>SV1VN<br>US0YA<br>W1CBY<br>WD9EWK (DM43)<br>YB1TJ |
| <b>35</b><br>GI4OWA<br>LU9DO<br>UR5WA                                | <b>24</b><br>EI2JD<br>F1RAF<br>F4BDG<br>HB9G<br>KS4YX<br>ON6AB<br>PA7TWO                    | <b>14</b><br>EA8MT<br>IW3GJF<br>JA2XCR<br>KB8DVT<br>PA7RA<br>PV8RR<br>PY2OC<br>W9TTY  | <b>7</b><br>DL1TRK<br>G8APB<br>GM4KHE<br>IZ0INX<br>JA2NDQ<br>LA3DV<br>N5ORT<br>NJ4Y<br>UR5FEO<br>ZS4TX            |                                                                                                                                                                                                                    |
| <b>34</b><br>G4SEU<br>JL3LSF<br>LA2QM                                | <b>23</b><br>GM4ILS<br>K4SLC<br>KP4EIT<br>W8MK                                              | <b>13</b><br>JA2LWD<br>K4AKX<br>K4WY<br>PY2MC<br>W4PWF                                | <b>6</b><br>CT2FEY<br>DU0A<br>EI2JC<br>JA7NGE                                                                     |                                                                                                                                                                                                                    |
| <b>33</b><br>W8GC<br>WB4SON<br>WB8TGY (EN72)                         | <b>22</b><br>9H1SP<br>IZ3ENH                                                                | <b>12</b><br>EA3GP<br>F4ESV<br>HB9DDZ<br>IK2RPE<br>JK1UNZ<br>JN1RQV<br>N1IW<br>ZS6WB  |                                                                                                                   |                                                                                                                                                                                                                    |
| <b>32</b><br>N3LRH<br>SM6WET<br>ZL3TE                                | <b>21</b><br>EA1YN                                                                          | <b>11</b><br>A65BR<br>DL2OE<br>EA4DAU<br>EA4ZK<br>G4CTY<br>IZ4GWE<br>JA2KVB<br>JA6QHJ |                                                                                                                   |                                                                                                                                                                                                                    |
| <b>31</b><br>K7TM                                                    | <b>20</b><br>CX1FK<br>I1FQH<br>JM1KVV<br>N1WC<br>PY5EW<br>W8LR                              |                                                                                       |                                                                                                                   |                                                                                                                                                                                                                    |
| <b>30</b><br>E72X<br>JO7WXN<br>WA6DNR                                | <b>19</b><br>DL1TS<br>EA6BB<br>JE2UFF<br>JI4WAO<br>JR3UIC<br>PY2HN<br>SP8NR<br>VE6TA (DO31) |                                                                                       |                                                                                                                   |                                                                                                                                                                                                                    |
| <b>29</b><br>HL2WA<br>OE4VIE                                         | <b>18</b><br>AJ6V<br>KJ4EU                                                                  |                                                                                       |                                                                                                                   |                                                                                                                                                                                                                    |
| <b>28</b><br>CT8/K0RUI<br>E70A<br>JA6CRP                             |                                                                                             |                                                                                       |                                                                                                                   |                                                                                                                                                                                                                    |

|                 |         |
|-----------------|---------|
| YL2CA           | G7SQS   |
| YL2MU           | G8TTI   |
|                 | IK5BSC  |
| <b>2</b>        | IW0AFS  |
| 5B4ALJ          | IZ0BTV  |
| 6K5XZE          | IZ2CSX  |
| 9A2GA           | IZ3DBA  |
| 9K2NO           | IZ5FSA  |
| BV6CC           | JA1GZK  |
| CO6CBF          | JA7DPC  |
| DF3VG           | JA7VXB  |
| DF8FT           | JH8XVT  |
| DK1CO           | JI1HNC  |
| EH4BPJ          | JJ1PFC  |
| ES8JX           | JL2ULM  |
| F5TMJ           | JN3ONX  |
| G0THY           | KC3KJQ  |
| G4DDL           | KG4JSZ  |
| G8GNI           | KH6WI   |
| GI4ONL          | KP4DER  |
| IK1IYU          | MM0INH  |
| IK2GOQ          | OK1UU   |
| IZ8XQC          | ON6NA   |
| JA6AVT          | OZ1IKY  |
| JA6SZV          | PU5SVE  |
| JA9FAI          | SM3GBA  |
| JH3MHI          | SM6LPG  |
| JP1HDK          | SP7EXY  |
| K4KZM           | SQ5NRY  |
| K7LY            | UN8G    |
| KEN IN NEBRASKA | AUR5EDX |
| LA2CQ           | VR2VGM  |
| OH3KAV          | WB7VUF  |
| SV1XV           | YO8WW   |
| SV3FUO          |         |
| YB2DX           |         |
| YL2KF           |         |

**1**

3A2MW  
 9A2EY  
 AJ6T (EM66)  
 BD4UJ  
 CT1AHU  
 DH8BQA  
 DJ3ZF  
 DL2DCX  
 DL4ZAB  
 DL8GAM  
 DS5DNO  
 DS5TOS  
 EA2AA  
 EA3WD  
 EA4GQS  
 F1VEV  
 G4CFS  
 G4VSS