



June 2025

Editor: Kevan Nason, N4XL

Thank you to our group leadership:

President – Ed, K3DNE

Vice President - Dave, WN4AFP

Treasurer – Scott, KG9V

Secretary – Kevan, N4XL

Web Master – Frank, KG4IGC

SFCG Webpage: swampfoxcontestgroup.com

Welcome N5CQ

Please welcome John N5CQ to the Swamp Fox Contest Group! John was referred to SFCG by fellow club members at our KB4DX @ W7WZ multi-op while operating there for the CQ WPX CW contest. John holds an Extra license, recently relocated to Greer and is excited about his move to SC which means he can have a station at home for the first time since 1989! John was first licensed as WN5PUQ in 1966, obtained DXCC in 1968 and has moved many time since then. In 1997 he built a remote station at a site on a ridge west of Austin TX and improved his DXCC totals to 351 mixed and 339 current entities. His favorite contests are ARRL 160, ARRL 10, WPX CW and ARRL DX. Please check out his QRZ.com page for much more info.

John: Welcome to the Swamp Fox Contest Group!

73,
Ed K3DNE

Editor's comments: John N5CQ apparently had quite the station when he was in Texas. The Central Texas DX and Contest club has info worth looking at on ctdxcc.org/n5cq/ Some pictures there are very impressive and have captions saying:

- *The main tower at N5CQ is 195' of rotating Rohn 55G. The antennas are all Force 12s: three C-3s, three C-4s, a WARC-7, and a Magnum 280C*
- *N5CQ is building a second 195' rotating tower at his station, which will stack three four-element forty meter yagis.*
- *The shack at N5CQ is a converted container ship shipping container. It has had windows cut into it, and the interior is finished.*

I'm looking forward to seeing what he builds here.

Welcome John.

Kevan N4XL

Contest Tips:

From N4XL's After Contest Lesson's Learned List. (You keep one from your contests and periodically review it, don't you?)

- From 2017: I was taught a saying in Nuclear Planner school. It's called the "Seven P's". Proper Prior Planning Prevents Pretty Poor Performance. I now have a second saying. The "Four C's". Cutting Corners Creates Chaos. This last CQWW was chaos for me with all the time I spent diagnosing and fighting antenna problems.

From 2025: Pre-contest station preparation paid off. Discovered and solved a couple antenna issues because I tested each antenna under power well before the event.

- Running brings the mults -- especially in the WPX. If you can run, do so. If you can't, learn and/or improve your station so you can.

From a different contest a couple years later, "I need to spend more time running."

- It isn't worth getting into frequency fights when running CW as a Little Pistol. There is almost always another space you can sneak into. (Exception to finding a new frequency is SSB on 20 and 40 meters during a major worldwide contest.)
- All, I have made a rookie mistake. I did not verify the WW4SF log had been received by CQ WPX and they are not showing it in their raw scores. I remember entering it, but did not verify nor notice that I had not received a robot reply.
- Dave, AFP, mentioned slower CW is sometimes better. I used that concept several times to get my call through. Stations had trouble at my speed of 28-30 wpm, but got it right away at 24. No, it wasn't that they couldn't copy fast because they were running over 30 when I called. It is just that at faster speeds QRM or QRN noises cover up short dits so it is easier to pull them out if they last a bit longer than the noise pulses.
- I made a mental note to check odd paths next time I am in the chair. Skewed paths aren't uncommon, but they are unusual enough I don't normally think of them.

I forget the exact circumstances, but I remember pointing the beam at a couple mults that had just popped up on the spot list that were in the central and Eastern Mediterranean. Think N1MM said they were about 60 degrees from me. It was 20 meters and they weren't very strong compared to the northern EU stations that were booming in. I was slightly surprised at how weak they were and that I couldn't bust the pileup. Since I had started swinging the beam south I decided to keep going and pick up some Caribbean and SA. While the beam was swinging through about 100 degrees that weaker S4 station went up to S7 - S9. I stopped the swing and added two mults to the list.

- When S&P give your full call at all times when responding to a station with a pileup. It has been said to only give the part of your call that the other person is missing when asked "Who is the November 4?" That prevents you from wasting time by repeating information the other guy already has or having them think maybe they had the November 4 part wrong because you were saying it again.
- Randy, K5ZD wrote in 2008 when asked how to get better: "Search and pounce in a contest using low power. Almost everything I learned about busting pileups came from my early years in ham radio with 100 watts and wires in trees. You take a different approach when you are not the loudest guy in the pileup. Learn that different approach and then be amazed when you apply it while running a KW!"
- Tom W1TEF: Lesson learned - always check the actual date of the contest on a holiday weekend. Much to my chagrin, it wasn't after Thanksgiving, but the weekend before.
- Don't give up if you have to leave the chair for a while. Watching the Real Time Scoreboard I just knew I was watching NS4T rake in 6 point q's on 40 meters when I had to pull the plug early Saturday night. He stayed on when I went to bed. I figured I was never going to catch up. Never the less, when I got up Sunday morning I went back at it again. He ran out time (36 hour limit) and missed the great 20 meter to EU and Russia opening on Sunday afternoon. I ended up outscoring him on the raw score by almost 400,000 points.
- Old one relearned – when trying to copy a rare station in a big pileup it helps to narrow the filter down to 50 or 80 Hz. You get a bit of filter ringing, but the amount of QRM it cuts out makes it much easier to hear when you are being called.
- Rate Rate Rate. No wasted words is critical to getting the highest scores, right? Not always. Especially in the more laid back contests like State QSO parties where casual ops are especially critical. Yesterday it was normal to call CQ 4 or 5 minutes before I'd put a guy in the log. Then it might be another 4 or 5 minutes before the enter key again did its thing.

I broke the routine several times by taking time out and holding a mini-rag chew. That ended up putting several multipliers in the log I probably wouldn't otherwise have been there. I figured a historical few minutes between q's meant I could take time to talk without hurting the score too much. Since I lived in Michigan from age 6 to 18 I could talk about the area. Spent about three minutes talking with a guy in Lansing who was taking a break from yard work. As soon as we finished I was called by another guy giving me serial #1 and a new mult. He said he was listening and heard I grew up in Grand Rapids. We talked about that for a minute. Then I was immediately called by a third guy who said he too was taking a break from yard work and gave me another #1 serial number and new county multiplier. We talked about

how we've had flowers here in SC for a month. That happened twice and gave me five or six new mults.

Another thing I routinely do in NAQP's or WPX's where there are a lot of US stations is compliment good signals or make some statement like "I used to live in Westerly, RI. Met my wife there. Thanks for stopping by and bringing back the memories. QRZ. N4XL" It isn't unusual to have someone else who obviously isn't a contester call you when they sense things are a bit less pushy than normal. That sometimes helps increase hourly rate even though more time is spent on each QSO.

Highlights From The Reflector:

- Ed K3DNE shared a picture of him early teaching CW to his 4 month old granddaughter. Jim N2ZZ agrees with his effort and wrote, "You can never start too early!"
- Bob KZ3P snagged VK8DX on 10 meter FT8. He later followed that up with EK/RX3DPK and E5RS.
- Dave WN4AFP shared his 2025 1st place W/VE SOLP plaque in the MNQP
- John W7WZ shared the first plaque received by his contest station KB4DX. It was for the 2024 ARRL DX contest in their Roanoke Division M/2 effort.
- Herschel KA2G is close to working all zones in the DX Marathon.
- John W7WZ pointed out iPhones have a compass setting option to find True North.
- SteppIR is ceasing to produce consumer antennas.
- DX alerts are being posted for non-contest days.
- Matt NU4E wrote he is having trouble finding motivation to contest. A few days later he shared a picture of his 2024 CQWW DX SSB contest plaque for #1 USA SOAB/AB. Huh. Wonder what he could accomplish if he had some motivation.
- Dave WN4AFP shared an audio file of him doing somewhere around 75 wpm. At least I think it was him but certainly copy it to verify that claim. And I think it must have been at least 75 wpm.
- Some wicked WX hit South Carolina on June 7th. Most of us didn't have an issue, but Bob KZ2P lost some shingles and the top 20 to 30 feet of three trees. Fortunately, his property and antennas survived.
- Dave WN4AFP is sharing pictures of the radios he operated when he was young and studly. They say you review your life just before it ends. Anything we should know about Dave?
- Jim N2ZZ shared details of a reasonably priced remote antenna switch. If you are in the market for one then check out the WA4MCM kit.
- Herschel KA2G found a video on YouTube for a noise reduction program from RNM Noise Software. It works well. Please let us know your results if you try to use it in a heavy QRM environment such as a major contest.
- John W7WZ is looking for operators to join the team for the IARU contest. He writes, "We have never done this contest from KB4DX@W7WZ so here is an opportunity to establish a new baseline. Low pressure fun for new operators... This looks like an easy contest with a simple exchange of the signal report and our zone 08. Here is a good opportunity for some of you who may be new to multi-operator contesting to take a short shift and see how you like it. Come operate our superstation equipped with the most highly rated transceivers, big antennas and N1MM+ contest software.

We can be very flexible on the schedule to give new operators a chance to learn the station and enjoy the fellowship with others.”

- There was lively discussion with creative ideas being tossed about how Dave WN4AFP might display the 1376.2 lbs of 1st place QSO Party plaques (my weight estimate) he has gathered.
- Matt NU4E shared a link to an ADIF to Cabrillo file converter. I’ve used it before and it does a great job.
- Activity in the WVQP is notoriously light. Jim N2ZZ reached out to the WV Section Manager asking him to bang the drum a bit and increase activity. Thanks Jim.
- Ed K3DNE shared a link to a PVRC presentation from W3LPL about “6 Meter Long Distance Sporadic-E and F2 Trans-Equatorial Propagation During the Decline of Cycle 25”. If you’re not familiar with W3LPL’s expertise then know he truly is an expert. (Which reminds me of a story... Long before we knew each other my wife was working at Sherwin Williams alongside an elderly man called Charlie. He had been with the company for decades. A customer said, “Charlie is the expert!”. Elizabeth has always been quick-witted. She turned to gray haired Charlie and asked, “You know what an expert is don’t you Charlie.” He replied, “No. What?” With a straight face she said, “One who can’t spurt anymore.”)
- Alan W4ANT told of us a new solar weather website by Glenn W2ADX writing, “It’s nice due to the fact you don’t need to be a scientist to understand it and after just a short time browsing the site, you’ll realize there is more to propagation than sunspot numbers. Likewise, the descriptions and explanations are three level. One at the ham level to appeal to your inner geek, one at the scientist level for those who do understand all this NASA stuff, and one for those too busy for a complete explanation amusingly called the TLDR. Additionally, the information is REAL TIME data unlike some other solar wx sites.”

Death Knell or Progress? Philosophical Thoughts About Google AI Versus Reflectors as Ham Resources

By Kevan N4XL

Over the years I’ve discovered I’m much more of an Idealist than most people. Leadership roles have taught me the value of improving the group rather than just the individual, so I tend to seek solutions that benefit the majority instead of simply making it easier for one or two people. In the last couple decades, it seems to me that society has shifted toward the “Me Me Me” approach rather than “Us”. That is true for both individual gain and politically regarding things that affect the country in its entirety. That saddens me.

An innocuous comment posted on the N1MM reflector prompted this article. Dave (not from the SFCG) wrote, “Just as a point of interest, I have discovered that, “Typing an N1MM question into Google Search provides a quick, accurate

response in the AI answer at the top of the search results. For me, it's faster than searching through the program documentation or groups.io discussions." That is a very good thing to know and will save many of us much time. Thanks for sharing that observation Dave. However, I instantly questioned myself how that would improve the group.

Randy N7CKJ thinks like I do. He responded to Dave with, "A Google answer only helps one person."

Drew K3PA looks at things a bit different. He wrote, "Answering questions here that are easily Googled or found in the manual is not a reasonable strategy for use of volunteer developers' time. Everyone can Google. There is a very valid reason that LMGTFY.com was invented." (LMGTFY: Let Me Google That For You)

I agree wholeheartedly with both. But, as usual, I think the best path lies in between both viewpoints rather than at the two extremes. People should definitely spend time trying to find the answer themselves before bothering someone else. But don't forget the group – especially because everyone doesn't have your depth of knowledge and therefore isn't as adept as you at defining the problem and finding the correct answer. Heck, I recently read a post string where a newbie didn't know a program manual was available. He began using it once told where to find it but still needed tailored basic supplemental instructions from Reflector Volunteers to understand what it meant. He was eventually able to get up and running. Most of us have been in that same place at some point in our Ham or professional careers.

I responded to Randy with,

Artificial Intelligence, Google or other, will undoubtedly change our Ham Resources. I agree with N7CKJ that benefitting others is worth preserving. It would be helpful if after using Google AI people would post their question and AI's answer to the reflector. Probably won't happen much though. Heck, now and then I will probably resort to AI myself and forget to follow my own advice -- but I won't make it a habit.

I have picked up many useful tidbits by reading posts unrelated to anything I had much of an interest in. I used to, and sometimes still do, randomly read a few pages in the N1MM manual and learn things I never knew existed or how to solve a program nag that wasn't severe enough that I felt the need to research. As Artificial Intelligence use increases I fear there will be less and less chance to learn. And don't those AI algorithms

get some of their information to quickly solve problems like Dave has from reflector posts? They might not be quite so useful if people don't hash things out on these reflectors. I always have been more of an Idealist than most and believe in helping the group. I even give out spots during SSB contests so more can have fun too.

At the risk of being overly dramatic, this seems to be one of the legendary "slippery slopes" that can easily lead to a dumbing down of our group and society. Of course there are advantages to AI and people would be foolish to boycott it. Despite my opinion of its potential downsides I will continue to use it.

AI does bring disadvantages, misinformation, and the threat of groupthink. From Google AI: Groupthink is a psychological phenomenon where the desire for harmony and conformity within a group leads to irrational or poor decision-making. Essentially, members of a group prioritize maintaining unity over critically evaluating alternatives or dissenting opinions. This can result in the group making suboptimal or even flawed decisions, as independent thought and critical analysis are suppressed in favor of group consensus.

Observations by the Editor:

- I had heard the words before but as far as I knew back then had never experienced skewed path HF propagation. It wasn't until 25 years into my Ham career and the contesting bug had bit hard that I learned how useful this could be. My first time was at the Multi-Multi NQ4I and we miraculously had an opening to EU that those darned 1 lander stations didn't. We could point our antennas west toward central Africa and somehow the signal twisted allowing us to work Europe. I've since experienced it at home too. A recent post on the CWOPS reflector prompted me to mention skewed path here. John K3TN wrote:

Years ago, opping at the W3LPL multi-multi in or near a sunspot minimum, I was on 10M and Mike KC8C (SK) was on 15m. Chatting while hitting the CQ buttons, we basically developed a theory that the ionosphere was like and oddly shaped pool (billiards) table with many trick shots available if you hit the ball hard enough...

The easy bank shot was aiming Frank's "10M death ray" at 200' feet to the SE and banking the RF into EU. Slightly higher degree of difficulty was SW to bank into JA that also often worked on 40M in the early am.

Mike's idea was to randomly pick a direction, get the RF up "on the pool table" and it would often randomly bounce around and find a "pocket" and fall down onto someone's antenna. Not worth doing when "real" openings were active, but amazing what was workable with that strategy with a high antenna on a dead band - and a good way to stay awake...

After 25 years of contesting, observing propagation variations like that are one of things that still thrill me. It is easier to find and recognize such oddities during a weekend long major worldwide contest than during the hit or miss QSO's of casual operation.

- Now is the time to be thinking about improving things outside in preparation for the upcoming fall/winter contest season. I need to run a new buried coax feedline to and up the tower to my 40 meter inv-vee. Maybe I'll finally put up that 6 meter beam I bought from Ed while I'm at it.

N3FJP (or other Contest Logger) Tips:

Editor's Note: I would like to have typed something here, but although I asked for input on this topic from folks who use N3FJP to put here I haven't received any input. Send me a private email or post to our Reflector if you have anything.

N1MM+ Tips:

NOTE: Unless otherwise specified references to problems people are having, solutions, and tips come from the N1MMLoggerPlus Group.io reflector. A search there for items described should turn up the original posts and replies.

- Selected changes made since the last newsletter. (NOTE: These often come from a user requesting a change or fix to a problem.)
 - Ini File: Foundation for a future COM port defaults change. Always write COM port settings to the *.ini file. (Code by K3CT & N1MM) *(Editor's Note: This might be important to know if you have a problem solved by resurrecting an older backup ini file.)*
 - Added ★ Column to indicate spots by a preferred spotter (N2WQ) (Coded by N1MM)
 - AMQ: Working a spot was not retaining list position by N2IC)
 - WSJT List Window: The following changes have been made to the WSJT List Window (Coded by N2AMG)
 - Add arrows to column headers to show what column is sorted and what direction.
 - Show dupes was not working correctly.
 - Add Band/Mode column to show what band and Mode the entries are from.
 - Adds new item to Max number of lines to show (50)
 - Adds new menu item under new Settings Menu, "Clear list on Band Change".
 - Made the change for stripping 6 char gridsquare to 4 chars (Version 1.0.10726) contest specific (SM5CIU) (Coded by NA3M)
 - Experimental: Added code to generate sound card CW (Coded by N1MM) *(Editors note: to use this you need to load a special experimental version of N1MM..)*
 - Entry window: Added Help/Search Docs & Groups.io using Perplexity.AI & Google.com. This will take your search terms and append two N1MM sites. Perplexity should always return an AI response. Google may or may not. (Coded by N1MM)
- Troubleshooting tips.

It is common for people to fight with N1MM and eventually get to the point where doing a new install seems like the best solution. I've been there. I often read folks saying that on the N1MM reflector. Jamie WW3S wrote this response to one frustrated poster. It should be noted although Jamie isn't on the N1MM

Development Team I have heard the same advise from those Developers many times.

Ok, stop.....do NOT reinstall, that will only get you back to where you now....what are your settings for log4om....write them down, post them here....the 7300 is arguably the most popular rig in use today, hundreds of users , including me, use it successfully with MM software....its a simple config issue....if you insist on reinstalling, simply delete the ini file, or rename it, and then restart MM . That will force the program to start from scratch....

Other posts in that thread backing up Jamie's advice and giving other things to try or know when trying to troubleshoot were,

John K3CT

Correct the radio interface issue first.

From my last email.....

Open Configurer, select Mode Control tab, look at the left side of the window. Is the "(default)" mode control item selected?

Mike VE9AA

Your radio is not talking to the program. ***THAT*** is most likely the root of your problem. Gotta tend to that first.

((Maybe a com port # reallocation (WinDoze update?)) Doublecheck all your settings from what you know works.

John K3CT

(Note: This specifically addresses Icom radios but other manufacturers may have similar menu setting.)

The USB cable connection with the virtual COM port is better.

With either method (USB cable or CI-V) you need to select the correct COM port for the radio, then click the Set button and set the baud rate. I would change the radio firmware menu to a fixed baud rate instead of Auto baud. It is known to get confused and select the wrong baud rate. If you are using an after market CI-V adapter, you will likely need to set DTR and/or RTS to Always ON. The instructions for the after market CI-V cable should be a help.

Mike VE9AA

When you spin the VFO do you see the frequency move in the N1MM entry window and bandmap?

Until you get that working everything else (like mode control) is really secondary.

I used to own a IC-7300 and you can do everything (radio and keying) with 1 USB cable.

- There is a very long thread about asking the new Artificial Intelligence (AI) search engines how to do things in N1MM. Consensus is answers generally work very well but remember the acronym "GIGO". Garbage In, Garbage Out. To come up with their answer the AI algorithms analyze and combine information from web pages that contain both accurate and inaccurate information. Add to that the reality of each station being different and it is easy to understand why what AI's report may not work for your situation. However, answers to questions are often spot on. And even if they aren't totally correct they often point you in the right path allowing you to tweak the answer and solve your problem.

AI's are so useful that, as mentioned above in the selected changes section, Tom N1MM has added an internet link to the N1MM program itself which brings up a search engine AI page for easy access. He asked the groups opinion about how to best implement that and commented, "I wasn't intending to implement a whole AI api to do this, as I doubt most users will use it, but I want something that we can point to that will get newbies started finding stuff in the documentation/group archives."

It is worth mentioning that some found the Perplexity AI and it's ability to more easily ask follow on questions to be more useful than other AI's.

Personally, I feel AI's fall squarely fall inline with my life's motto. "There are advantages and disadvantages to everything." Most folks see only advantages to something that provides quick easy answers. Some disadvantages?

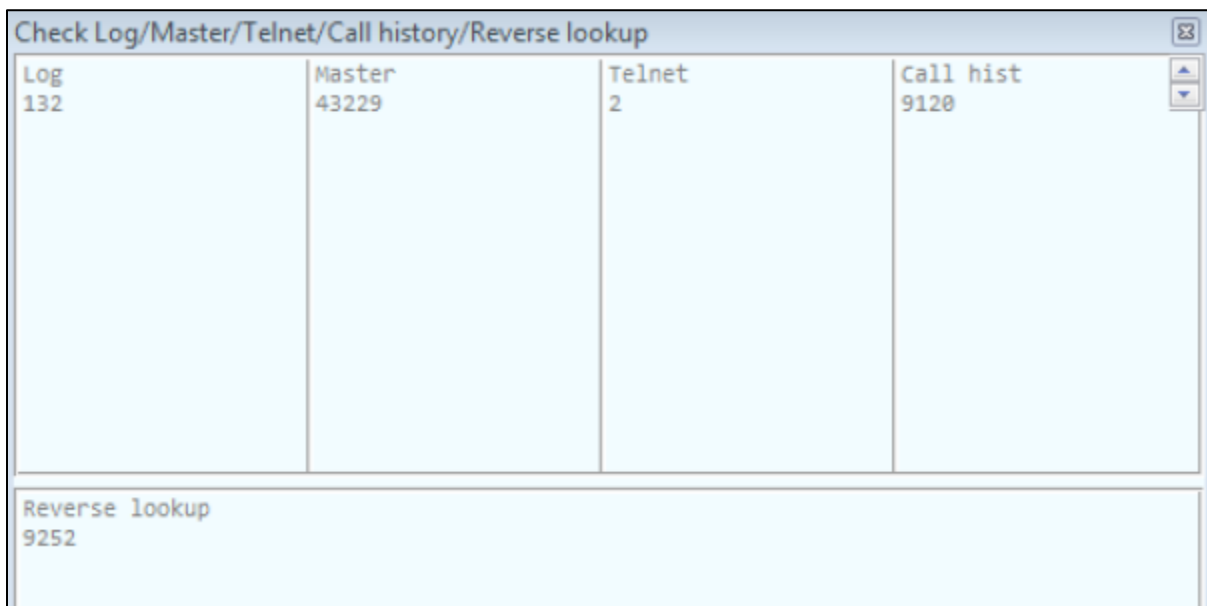
- People tend to understand the reasoning and remember things better if they do the research and find the answer for themselves. It is common that the next time the problem pops up, or something similar, instead of knowing how to solve it themselves they need to reach for the mouse to solve it for them.
- People offering help on reflectors are rightly irritated when someone asks a question easily answered by the equipment/software manual or by the

questioner doing a Reflector archive search. But as more and more people ask questions of the search engine AI's it seems likely Reflectors will become more and more irrelevant.

- That means others with similar questions (and who aren't as skilled at asking internet search questions as they might be) won't gain the benefit of learning the answer to their similar problem.
- Reflector discussions involving real people often bring up things like settings that need to be set for specific station configuration whereas AI's might not mention such things in their generic answers.
- Reflector discussions often branch out into broader topics or add supplemental information that can help you grow as a contester.
- And since AI's search Reflector pages to come up with their answers, and to make note of how their answer might need to be adjusted to individual station situations, reducing Reflector based discussions will reduce the information available to AI's in developing useful answers.

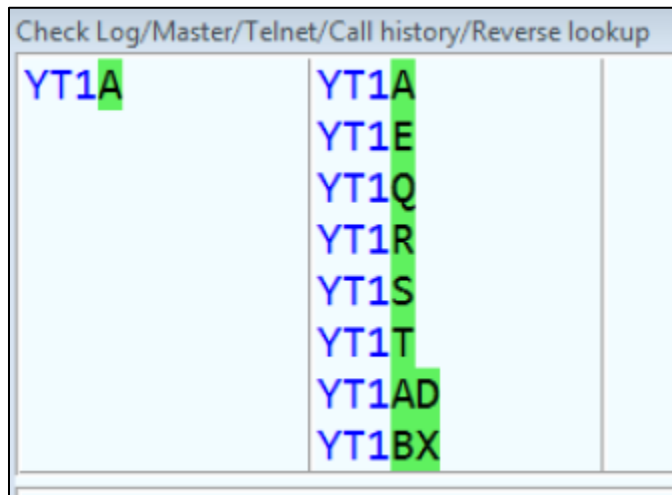
I doubt it will happen, but it seems a good idea to me for people asking AI's for an answer to also post their question and answer to a Reflector so all can benefit.

- You can download the N1MM manual here:
<https://n1mmwp.hamdocs.com/mmfiles/n1mmplus-pdf/>
- The Check Window

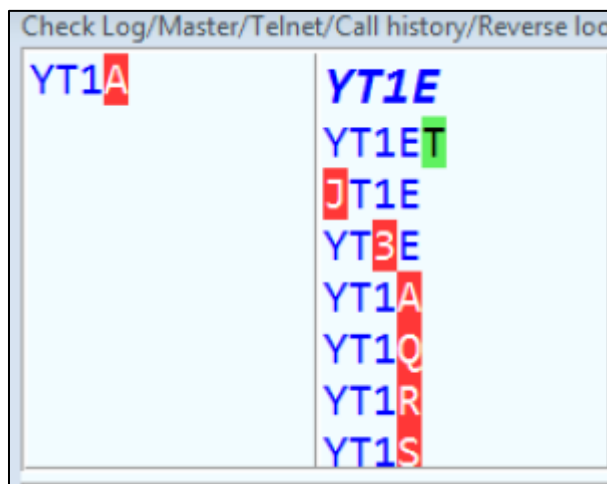


- It combines up to four separate sources for checking the validity of an entered or spotted call-sign. Its system of color-coding helps the operator determine if the call-sign as copied is correct, and, if not, where the error probably lies.

- The four upper panes, left to right, will contain results derived from comparison with your current log; with a Master.scp datafile downloaded on the Tools menu of the Entry window; with Telnet spots received by the program, and with a Call History file, if one has been loaded.
- The bottom pane is for Reverse Call History Lookup
- You do not have to display results from all these sources, or from the reverse lookup window. A right-click menu lets you uncheck any panes you do not wish to see.
- When you enter a call-sign in the Entry window's call-sign textbox, beginning with the third character, or a call-sign is transferred into the call-frame from the Bandmap, the Check window will begin trying to check it against the selected sources of information.



- Now enter another character, making the possible call-sign YT1E. The Check window changes:



- In the first row, the bold and italicized callsign reflects a perfect match in the master file. "YT1A" with the "A" highlighted in red means that an imperfect match was found in the current log – you may actually have heard YT1A rather than YT1E, since the station has already been logged once in the contest.

There is another list of suggested call-signs in the master file pane. The first, with the green highlight, means that "YT1E" matched a call in the master file, but only in part. The full call found in that file is YT1ET, so the "T" is highlighted in green. But there are other possibilities,

- Because of uncertainty about the quality of Telnet spots, a spot will only appear in the Telnet section if:
 - It has been spotted at least 3 times or
 - It has been spotted with a Q or V spot-quality tag on AR Cluster version 6.
 - If the Save Spots checkbox on the Filters tab of the Telnet window is checked, this check of Telnet spots will be retrospective to the beginning of the current contest. If it is not checked, the retrospective check is limited to the Packet Spot Timeout interval set either on the Filters tab or on the Band map's right-click menu.
- Reverse Call History Lookup.
 - In contests where this feature is supported you may enter a sought-for multiplier (for example, a rare county in a QSO party) in the Exchange textbox of the Entry window. The call-signs of any stations with that multiplier in either the current log or the Call History file will then be displayed in the bottom pane of the Check window.
 - Set Reverse Lookup Threshold – opens a sub-menu where you can select how many characters must be entered in the Exchange field before the Reverse Lookup occurs. When using a very large Call History file or operating in a QSO party such as 7QP where the first two letters of each multiplier only denote the state, increasing the threshold above the default "2" may help to speed up delivery of meaningful results.

Upcoming Contests:

See the WA7BNM webpages <https://www.contestcalendar.com/contestcal.html>

SFOTA Current Leaderboard:

Jun-22-2025

Current Leaderboard

2025 OVERALL STANDINGS

| CALL | Contests | CW QSO'S | SSB QSO'S | DIGITAL QSO'S | RTTY QSO'S | TOTAL QSO'S |
|------------|----------|----------|-----------|---------------|------------|-------------|
| 1) WB4HRL | 207 | 10070 | 470 | 201 | 520 | 11261 |
| 2) KE4EA | 118 | 7160 | 1199 | 15 | 0 | 8374 |
| 3) WN4AFP | 63 | 5228 | 2825 | 43 | 0 | 8098 |
| 4) K3DNE | 24 | 802 | 5701 | 414 | 0 | 6917 |
| 5) N4IQ | 33 | 4679 | 476 | 11 | 0 | 5166 |
| 6) K4FT | 65 | 4297 | 203 | 6 | 136 | 4642 |
| 7) K4QQG | 30 | 0 | 3138 | 407 | 802 | 4347 |
| 8) KZ3P | 37 | 1357 | 1572 | 18 | 414 | 3361 |
| 9) N4XL | 17 | 2139 | 696 | 0 | 0 | 2835 |
| 10) KD4S | 50 | 2072 | 228 | 16 | 461 | 2777 |
| 11) W4ANT | 52 | 1086 | 1540 | 161 | 0 | 2767 |
| 12) KG4IGC | 5 | 570 | 438 | 0 | 1085 | 2093 |
| 13) K7OM | 14 | 618 | 0 | 0 | 1313 | 1931 |
| 14) AA5JF | 3 | 1394 | 352 | 0 | 0 | 1746 |
| 15) KB1QU | 4 | 612 | 565 | 0 | 376 | 1553 |
| 16) KA2G | 21 | 0 | 1086 | 408 | 0 | 1494 |
| 17) N4QI | 35 | 1048 | 179 | 0 | 67 | 1294 |
| 18) WA4LDU | 28 | 161 | 303 | 490 | 338 | 1292 |
| 19) KS4YX | 20 | 358 | 40 | 221 | 580 | 1199 |
| 20) NV4T | 19 | 0 | 723 | 203 | 0 | 926 |
| 21) KK4MRG | 18 | 0 | 846 | 18 | 27 | 891 |
| 22) NI7R | 9 | 764 | 3 | 0 | 0 | 767 |
| 23) W1RPG | 10 | 0 | 706 | 0 | 6 | 712 |
| 24) K2SX | 10 | 362 | 0 | 0 | 0 | 362 |
| 25) AA4SD | 5 | 325 | 0 | 0 | 0 | 325 |
| 26) N1UZ | 3 | 88 | 0 | 0 | 215 | 303 |
| 27) KS4VJ | 4 | 0 | 42 | 49 | 0 | 91 |

2025 INDIVIDUAL MODE STANDINGS

| CALL | CW QSO'S | CALL | SSB QSO'S | CALL | DIGITAL QSO'S | CALL | RTTY QSO'S |
|--------|----------|--------|-----------|--------|---------------|--------|------------|
| WB4HRL | 10070 | K3DNE | 5701 | WA4LDU | 490 | K7OM | 1313 |
| KE4EA | 7160 | K4QQG | 3138 | K3DNE | 414 | KG4IGC | 1085 |
| WN4AFP | 5228 | WN4AFP | 2825 | KA2G | 408 | K4QQG | 802 |
| N4IQ | 4679 | KZ3P | 1572 | K4QQG | 407 | KS4YX | 580 |
| K4FT | 4297 | W4ANT | 1540 | KS4YX | 221 | WB4HRL | 520 |
| N4XL | 2139 | KE4EA | 1199 | NV4T | 203 | KD4S | 461 |
| KD4S | 2072 | KA2G | 1086 | WB4HRL | 201 | KZ3P | 414 |
| AA5JF | 1394 | KK4MRG | 846 | W4ANT | 161 | KB1QU | 376 |
| KZ3P | 1357 | NV4T | 723 | KS4VJ | 49 | WA4LDU | 338 |
| W4ANT | 1086 | W1RPG | 706 | WN4AFP | 43 | N1UZ | 215 |
| N4QI | 1048 | N4XL | 696 | KK4MRG | 18 | K4FT | 136 |
| K3DNE | 802 | KB1QU | 565 | KZ3P | 18 | N4QI | 67 |
| NI7R | 764 | N4IQ | 476 | KD4S | 16 | KK4MRG | 27 |
| K7OM | 618 | WB4HRL | 470 | KE4EA | 15 | W1RPG | 6 |
| KB1QU | 612 | KG4IGC | 438 | N4IQ | 11 | | |
| KG4IGC | 570 | AA5JF | 352 | K4FT | 6 | | |
| K2SX | 362 | WA4LDU | 303 | | | | |
| KS4YX | 358 | KD4S | 228 | | | | |
| AA4SD | 325 | K4FT | 203 | | | | |
| WA4LDU | 161 | N4QI | 179 | | | | |
| N1UZ | 88 | KS4VJ | 42 | | | | |
| | | KS4YX | 40 | | | | |
| | | NI7R | 3 | | | | |

3830 Activity:

| Contest | Call | Class | Pwr | Score |
|----------------------|--------|---------------------|-----|---------|
| ACQP | | | | |
| 06/08/25 | AA5JF | Single Op | HP | 559 |
| 06/09/25 | K4FT | Single Op | LP | 120 |
| 06/09/25 | KE4EA | Single Op | LP | 260 |
| 06/08/25 | KZ3P | Single Op | HP | 286 |
| 06/09/25 | N4IQ | Single Op | HP | 500 |
| 06/08/25 | W4ANT | Single Op | LP | 20 |
| 06/08/25 | WN4AFP | Single Op | LP | 280 |
| ARRL Dig | | | | |
| 06/09/25 | K4QQG | SO1R-24 | LP | 2,668 |
| 06/09/25 | KA2G | SO1R-24 | LP | 3,476 |
| 06/09/25 | NV4T | SO1R-8 | LP | 1,733 |
| 06/09/25 | W4ANT | SO1R-8 | LP | 1,759 |
| 06/11/25 | WA4LDU | SO2R-24 | LP | 1,264 |
| 06/09/25 | WB4HRL | SO1R-24 | LP | 1,353 |
| ARRL June VHF | | | | |
| 06/16/25 | AA5JF | Single Op-All Modes | HP | 73,710 |
| 06/16/25 | K3DNE | Single Op-All Modes | HP | 133,882 |
| 06/17/25 | K4FT | Single Op-All Modes | LP | 110 |
| 06/15/25 | K4QQG | Single Op-All Modes | LP | 1,040 |
| 06/16/25 | KA2G | Single Op-All Modes | LP | 12,410 |
| 06/17/25 | KZ3P | Single Op-All Modes | HP | 56 |
| 06/16/25 | NI7R | Single Op-Analog | LP | 270 |
| 06/16/25 | NU4E | SO3Band-All Modes | HP | 9,954 |
| 06/16/25 | WA4LDU | SO3Band-All Modes | LP | 25,669 |
| KyQP | | | | |
| 06/08/25 | AA5JF | SO Fixed | HP | 2,116 |
| 06/09/25 | K4FT | SO Fixed | LP | 4,256 |
| 06/07/25 | KD4S | SO Fixed | HP | 2,160 |

| Contest | Call | Class | Pwr | Score |
|----------|---|------------------------|---------|----------------|
| 06/09/25 | KE4EA | SO Fixed | LP | 618 |
| 06/08/25 | KZ3P | SO Fixed | HP | 632 |
| 06/08/25 | N2ZZ | SO Fixed | HP | 291 |
| 06/09/25 | N4IQ | SO Fixed | HP | 60 |
| 06/08/25 | NV4T | SO Fixed | LP | 100 |
| 06/09/25 | WB4HRL | SO Fixed | LP | 3,600 |
| 06/08/25 | WN4AFP | SO Fixed | LP | 6,564 |
| | | | | |
| WPX CW | | | | |
| 05/26/25 | AA4SD | SOAB | QR P | 867 |
| 05/26/25 | K4FT | SOAB TB- Wires | LP | 39,125 |
| 05/26/25 | K7OM | SOAB | HP | 41,895 |
| 05/27/25 | KB4DX | M/2 | HP | 14,540,54 8 |
| | (W4IX,KB4DX,AA5JF,K2SX,N5CQ,WN4AFP,@ W7WZ) | | | |
| 05/26/25 | KD4S | SOAB | HP | 1,632 |
| 05/26/25 | KE4EA | SOAB | LP | 382,917 |
| 05/26/25 | KZ3P | SOAB Unassiste d | HP | 57,134 |
| 05/26/25 | N4QI | SOAB | LP | 118,594 |
| 05/26/25 | NI7R | SOAB TB- Wires | LP | 50,318 |
| 05/30/25 | NU4E | SOAB | HP | 49,839 |
| 05/25/25 | W8CS | SOAB | LP | 60,551 |
| 05/26/25 | WB4HRL | SOAB | LP | 3,784 |
| 05/26/25 | WJ4X(N4XL) | SOAB | LP | 2,626,540 |
| | | | | |
| WVQP | | | | |
| 06/22/25 | N2ZZ | Single Op | HP | 1,232 |
| 06/22/25 | W4ANT | Single Op | HP | 573 |
| 06/22/25 | WB4HRL | Single Op | LP | 302 |

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73 es QRT de N4XL