



July 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

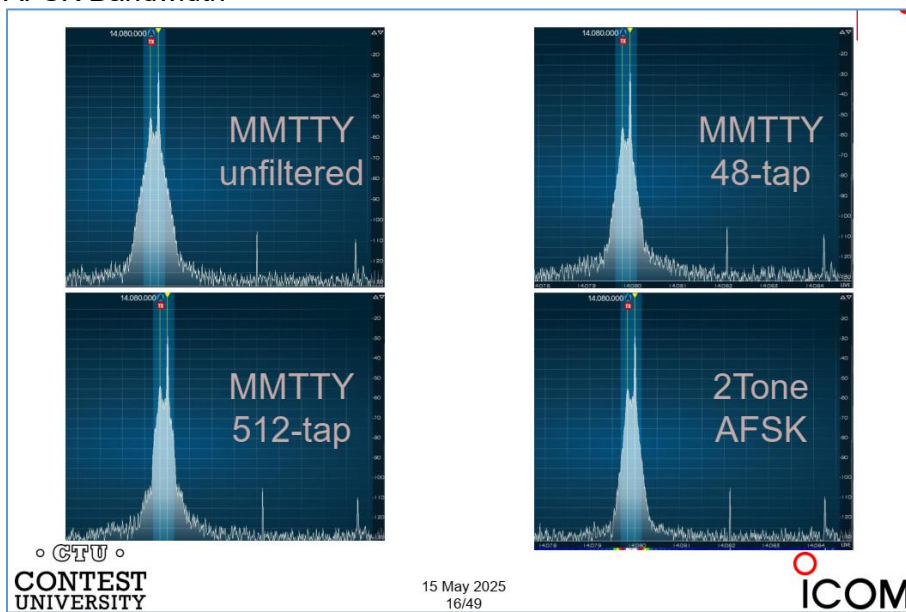
SFCG Webpage: [swampfoxcontestgroup.com](http://swampfoxcontestgroup.com)

### Contest Tips:

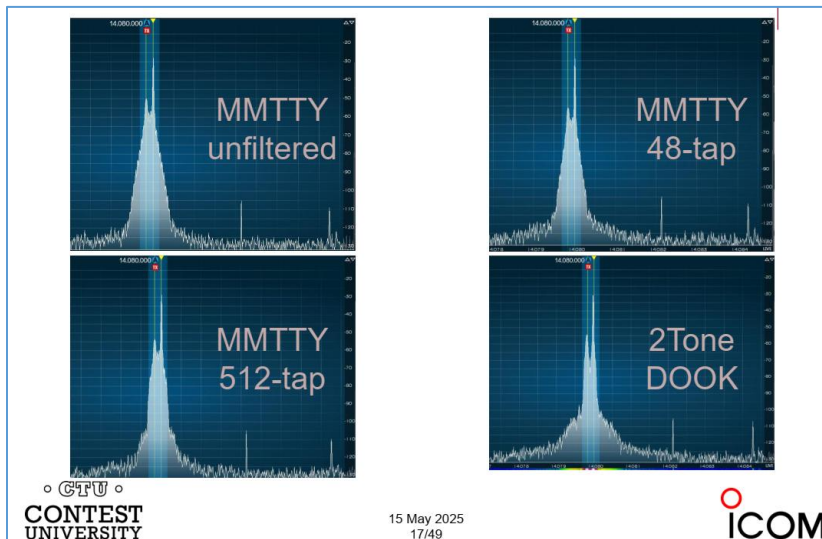
Excerpts from Contest University's 2025 presentation Tips to Improve Your RTTY Contesting Performance by Ed Muns W0YK/P49X. Available at <https://www.contestuniversity.com/files/>

- Set RX audio level with no-signal at 5% of full-scale
- IF Filters
  - 500 Hz - normal
  - 250 Hz - extreme QRM
  - Tone filters – don't use!
    - Icom Twin Peak Filter
    - K3/K4 Dual-Tone Filter
  - Learn to tune by ear
    - practice with eyes closed
    - get within 10-20 Hz
- Spots are often wrong
  - FSK displays Mark (dial = 14090.000 kHz)

- AFSK displays suppressed carrier (NOT the Mark\*) which varies with local audio tones and sideband used
  - For tones of 2125 Hz and 2295 Hz:
  - LSB: Mark = 2125, Space = 2295 (dial = 14092.125 kHz)
  - USB: Mark = 2295, Space = 2125 (dial = 14087.005 kHz)
- Transmitting Bandwidth
  - Wasted power outside receiving decoder BW. Suitably narrow TX BW effectively amplifies signal
  - Unnecessary QRM
    - Wide 1.5 KW RTTY can QRM 5-10 channels
    - Similar to CW key click problem
    - Why hurt yourself AND QRM close-by stations?
- AFSK Bandwidth

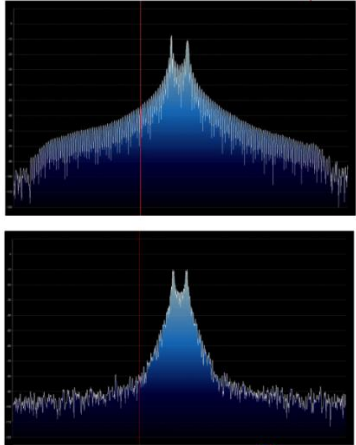


- AFSK – DOOK bandwidth




- FSK Bandwidth – Notice the Old K3 FSK Bandwidth says “Typical of all radios”

- Old K3 FSK bandwidth
  - No waveshaping
  - < DSP281 firmware
  - Typical of all radios
  - 50 watts
- New K3 FSK bandwidth
  - Optimal DSP filter
  - DSP281 firmware, March 2013



◦ CTU ◦  
CONTEST  
UNIVERSITY

15 May 2025  
19/49



- Turn on both RX & TX UOS and use Space delimiters.
- Practice Opportunities
  - ARRL Bulletins
    - Twice daily; receive only
  - During RTTY contests
    - ~ two per month
  - WRT (Weekly RTTY Test)
    - each Thursday night (30 min.)
  - Multi-Ops

### Highlights From the Reflector:

- One of Frank KG4IGC’s Hex Beam spreaders broke during a thunderstorm, and he asked if anyone had a spare. Frank also asked if there were any local people available to help him with replacing it. I didn’t see any responses. I’m 150+ miles away or once I would come help after you find one Frank.
- Kevan N4XL is having fun with his Elgato Stream Deck.
- Kevan N4XL shared he was 3<sup>rd</sup> in US/VE and had set a Division record with his 2024 ARRL DX CW contest effort.
- John W7WZ shared the Multi Ops at his contest station KB4DX placed 6<sup>th</sup> in W/VE and 1<sup>st</sup> in SC for the 2025 ARRL DX CW effort. Congratulations to John for building a strong station and to operators AA5JF, K2SX, N4IQ, W4IX, and WN4AFP.
- Dave shared he had his 50<sup>th</sup> Birthday on July 3<sup>rd</sup>. The phrase for old folk (and animals) they are getting long in the tooth. May your teeth keep growing Dave.
- John W7WZ had to cancel the planned KB4DX effort in the IARU due to the death of his pastor. We are all were sorry to hear that and agree with Dr. Jim K2ZZ who wrote, “My condolences for both of you and your congregation.”

- Alan W4ANT shared his Top Score – SC certificate from his 2025 British Columbia QSO Party effort. Good job Alan!
- Kevan N4XL can't count. He said he was ready for the IARU contest which would start 11 hours from his message. It was actually 23 hours away. No one mentioned it until Dave WN4AFP posted a reply a couple hours later, but changed the subject line to "20 hours to go before IARU". Thank you for the nice correction Dave.
- Kevan N4XL posted a fib. He said he was ready for the IARU contest. Nope. Things were working well in the shack pre-contest, but after it started he discovered his yagi was snagging a tree branch which bent the reflector a bit. Antennas had been working fine during Field Day only two weeks earlier so Kevan hadn't followed his normal practice of checking everything out ahead of time before the IARU. Dang. Shortly after continuing with limited yagi rotation another problem cropped up. It wasn't posted to the reflector, but Kevan's MK2R+ SO2R controller software failed. That surprisingly also caused Windows to be unable to perform a restart and the MK2R remained unoperable. Crap. Conditions were poor and the main antenna was crippled so he wimped out and tossed in the contest towel. Manual logging isn't fun and it is impossible to be anywhere near competitive without it. Kevan resolved two days later by resetting Windows to its original configuration. He took a break to from the joys of reloading and configuring every program loaded after purchasing his computer to finish this newsletter. And yes, he is again fighting Windows trying to load everything on OneDrive as discussed below.
- IARU Contest
  - Phil NI7R exemplifies the Contest Spirit. He set up a Buddipole antenna in the sunroom of his old folks home. Adding to the compromised antenna situation was the QRM generated by four nearby air conditioning units. Still, he managed to snag 60 Q's in 3 hours.
  - John W4IX came back to contesting from his home QTH with a great opening score of 509,636 in the SOABMixed LP category. His 3830 post includes a detailed writeup of the problems he faced both before and during the contest. It is well worth the read.
- Ed K3DNE is banging the drum for the upcoming NAQP RTTY and CQWW VHF contests. Both have team competition and club competition categories. Sign up soon. It's only a couple days away.
- Dave NJ4F will soon be back on the air with his new DX Engineering MBVE-5A vertical. Knowing a bit about vertical radial systems, Dave questioned the installation advice and sought confirmation from the SFCG membership.
- Dave WN4AFP shared a link to a video of Dave K4SV's 80 meter 4 Square array. It is a bit more complex of an installation than most of us put up, but shows how installing a vertical array should be done. <https://www.youtube.com/watch?v=aFxnJFunnDA>

## Microsoft OneDrive Pain

By Kevan N4XL

Although OneDrive has its advantages there are reasons not to use it. A Google search of its disadvantages returns, "OneDrive has several disadvantages, including limited free storage, potential privacy concerns due to Microsoft's access to user data, and

limitations on file sharing, syncing, and management. It also has special character and path limitations, and is not designed as a full backup solution." For me, a less important one is I prefer a configuration where I do not have to connect to the internet to access my information. Although things have improved, internet reliability is sometimes an issue when you live miles outside of town as I do. However, it's that bit about "... sharing, syncing, and management" that gives many people issues, including us N1MM users. I'm sure there are other programs that aren't happy with OneDrive too or else the bit about syncing wouldn't have been mentioned in the Google search.

I might get some of the next details wrong because even after learning about the confusion OneDrive creates with where files are kept because I am still sometimes confused and fooled by how sneaky the geniuses at Microsoft are trying to force us into becoming a OneDrive fan. An example for those who have no clue what I'm talking about. If you open File Explorer and click on the helpful "Documents" easy access link on the left you are not shown files that exist on your computer. Instead, Windows reaches out through the internet to a Documents folder it has created for you somewhere out in "The Cloud". That folder can be shared with other devices you own such as a phone or tablet. The interfacing between your computer and the internet location is so seamless that many users, initially including me, have no idea the information is not on their computer. That doesn't seem like much of a big deal, until you realize two things. The obvious one is if you lose access to the internet then you cannot access your information. The other is some of your Apps, programs like N1MM for example, require immediate access to that data. Those Apps can freeze up if their databases are stored on the internet due to syncing delays. Then you are left trying to figure out what went wrong. It seems like once a week someone on the N1MM reflector is asking that very question. 'What's wrong with N1MM?' Many times those people knew N1MM wouldn't reliably run if installed on OneDrive and thought they installed it locally. Many times they were fooled and it was out on the web. How to tell where your programs are? Whether or not you use N1MM this thread from the N1MM Reflector gives a way to more easily tell. Even though I learned about the OneDrive problem and have been using this method for a year or so I am still sometimes caught by surprise when those sneaky Microsoft people led me astray.

Joeri PA2JF

Hallo,

As asked before by another user i have a problem with installing in a 'cloud' folder. Im using a windows 11 desktop with no form of backup on it. Onedrive or any other cloud service is not installed.

I made a folder on the top layer of the hdd called 'radiosoft' and directed the installer to that new folder. Still the same message to not install in a cloud folder. What am i missing? Hope someone knows the solution.

Chet N8RA

I am not a windows 11 expert.

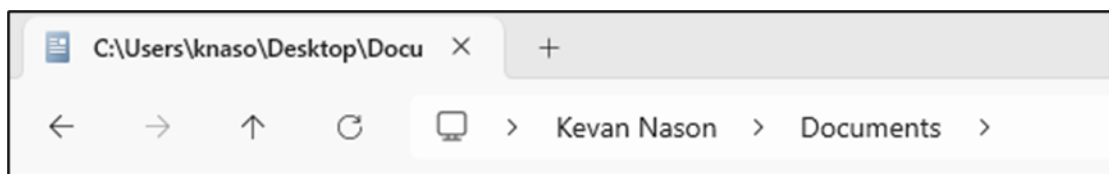
But I have noticed that Microsoft is trying so many sneaky ways to get me to use one drive. Many innocent looking folders are really going to one drive, even though I think I turned all that off.

So for your local folder to really be local, start in file explorer and click on "This PC" to reveal the partitions that are really on your local drive. Then click C: and make your new folder there. It is helpful (and quite revealing) to turn on the feature in explorer that is something like "display the whole path name up above".

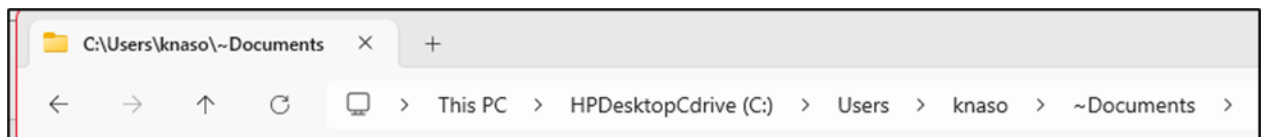
Hope this helps.

Here are screen shots illustrating what a default File Explorer shows for a OneDrive Documents location and then with the option to display the full path. I also chose to rename the Documents path on my actual computer ~Documents to further make it obvious to me where my files will be stored. I likewise created folders for my Apps directly off of C:\ drive named things like C:\Ham\ and C:\N1MM to keep them separate from anything Windows snuck up to OneDrive without me catching it. That makes it easier to figure out what went where during installation and to later figure out how to fix it.

Documents on OneDrive



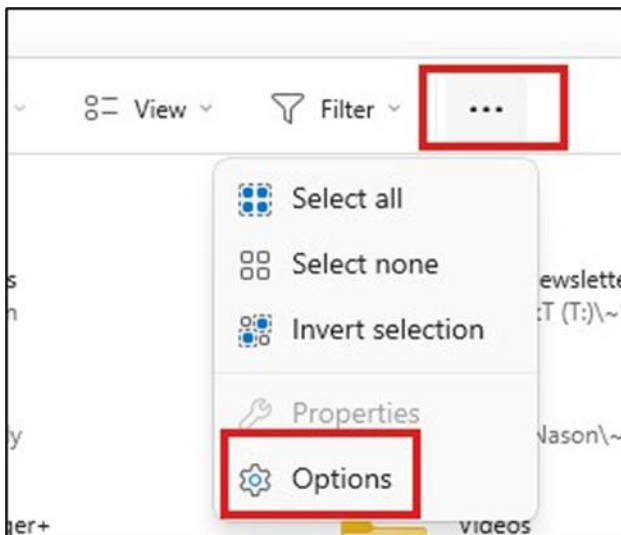
Documents on my local computer

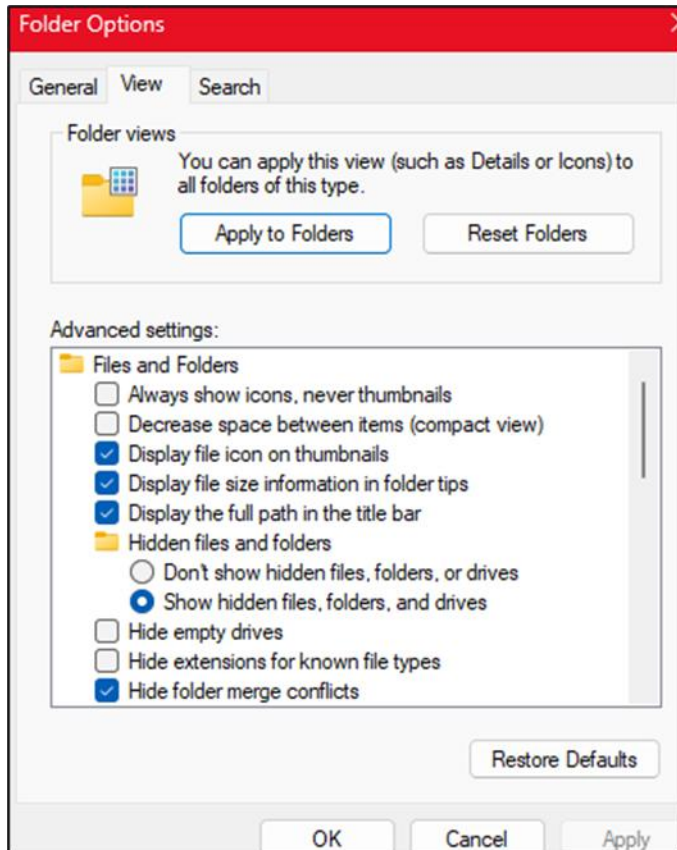


You can see both paths show C:\Users\knason\Documents, but the "~" before Documents makes that folder easier to notice at a quick glance. So far that hasn't

caused me issues with any program. (I know the two paths are not the normal default paths for the Documents folder. I became so frustrated with Windows hijacking things I wanted on my local Documents folder that I tried different methods to outsmart it. The ~Documents version has worked very well, but simply using knason\Documents and knaso\Desktop\Documents didn't. Things kept ending up on OneDrive when I used them – even though I thought I had OneDrive disabled.)

Here is how to set up File Explorer to show the full path. The first is the top of the File Explorer window and the second is what you see when you open the options. Click the "... " in the first image to get to the second image. The bit about showing the full path is one of the check box options.





John K3CT recommends closely examining where an installation prompt tells you it is going to install the App or save files. It's hard to remember to look at that rather than just clicking on what you "know" is the correct place to put things. John writes:

The second path prompt when running the FullInstaller resolves to an actual directory path containing one of these strings:

OneDrive  
Google Drive  
Dropbox

Correct this and the install issue will disappear.

It's worth noting:

- I don't know how it is happening, but even though I have told Windows not to use OneDrive by changing a setting in setup stuff still sometimes ends up there. Yes, I tried using methods recommended on the web such as disabling it on startup and even uninstalling it. Guess I'm too computer illiterate because things seemed to keep ending up there anyway. Every

now and then check my local ~Document files and verify things are still being saved there. So far, so good.

- I do not always remember seeing such detailed terminology in every installer program I've used when you get to the part where they tell you where they are going to install things. I try to remember to check where things were installed all the time.
- As I'm writing this I noticed that for a brief period after saving the Microsoft Word document I am using to prepare this newsletter it shows "SFCG\_Newsletter 2025-07 • Saved to this PC" on the top left of the Window containing Word. The "Saved to..." part disappears after a few seconds though. I'll start looking for that in the other Microsoft products I use.

Hope this awareness article helps someone. The problem drove me crazy for quite a while and still sometimes does, but not as often anymore. I know some other SFCG members have been confused too.

## Power Supply Recommendations

By Kevan N4XL

Annas M0GQA lives on a boat and started a thread on the TS590 Groups.io Reflector by asking what low-cost power supplies people recommended. She said she planned to use an End Fed antenna. The type of antenna normally doesn't have much to do with the power supply but was probably a useful bit of information since End Feds are notorious for having RFI issues.

I hadn't heard of some of these power supplies before so do not endorse any, but since the popular MFJ brand supplies are no longer available I thought I'd share what folks are using. I did look up one I'd never heard of and was surprised to see there was a front panel knob that would apparently change the switching supply operating frequency to move the birdies around. They could probably have just designed a better supply, but after giving it some thought that does seem a reasonable solution for a casual operator looking for an inexpensive solution to switching supply problems.

M0GQA:

My current options are a Mean Well ENP-360-12, an Alinco DM-330FX. Can anyone comment on those choices and/or make further suggestion? My priorities are price,

lack of noise, and size - in that order.

KE2EGF

On your choices of a power supply, the Alinco is too expensive for my budget, and the Mean Well... is a little too basic. For a recommendation of a power supply, I will give you the one that I own right now and where I bought it from. Below is the link, this power supply works great for me!

[https://www.amazon.com/gp/product/B0B4275819/ref=ewc\\_pr\\_img\\_1?smid=A1TD9NXOJ21EQ7&psc=1](https://www.amazon.com/gp/product/B0B4275819/ref=ewc_pr_img_1?smid=A1TD9NXOJ21EQ7&psc=1)



Universal Compact Ham Radio Power Supply 30A DC 13.8V Fixed Output-Noise Offset Home Lab Bench top Converter for Mobile Transceiver, Switching Power Supply with Display for AnyTone & TYT Radio

DL2AAA

I can recommend to use a professionell HP PSU from server. These PSUs are very affortable and exellent made. I have 3 in service for my /p Gobox, in my workshop and in mx shack. Absoltuly no problem with EMC noise and with fan.

W1DYJ

Members of my club (the YCCC) have given good reports on the Mean Well.

KZ1G

I have a Giandel 600-W, pure sine-wave inverter that works well. It has powered my TS590S during ARRL Field Days without problems. Palomar Engineers sells a power-supply RFI choke (PPNF-3) with Power-Pole connectors. The choke can reduce inverter "noise" if it becomes a problem with whichever inverter you buy. Or you can make your won. Cheers.

N7BMW

You live on a boat. Do you have a 12 volt electrical system? If so, the only power supply you need is a buck boost device to get and keep the power supply voltage closer to 13.8 volts. Unfortunately mine is from a defunct supplier and MFJ (now also defunct) made them.

NA6O

HP server supplies, all Meanwell supplies, and all Samlex switching supplies are verified as low RFI. A used linear supply such as an Astron can be a good deal. I've found good used Samlex 1223 supplies as low as \$85. Using your 12V battery

power onboard would be a great choice, as long as the charger is also quiet... which may be an issue even if you're not powering your radio off the battery.

I remain highly skeptical of those switching supplies with the noise tuning knob. That tells me that they basically failed to implement adequate RFI suppression.

Detailed RFI reviews of numerous products are here:

[https://na6o.com/rfi/rfi\\_home.html](https://na6o.com/rfi/rfi_home.html)

### **Observations by the Editor:**

- Tripp N4NTO was a well-known Contester and POTA operator. Unfortunately, he is now a SK. While taking down his vertical antenna after a POTA operation his vertical apparently contacted a power line. Remember, even experienced and knowledgeable operators must keep their mind sharp and focused. Even if we've done a task you've done countless times we must take the time to evaluate each work area as if we've never been there or done that before.
- Computer threads are discussed below in the N1MM update section. Using threads in a computer speed up many apps. Apps are what us old geezers used to call programs. I'm finally getting to the point where I use apps more than programs when referring to programs. It's only taken 2 years! Anyway, years back using threads in apps wasn't done very often so I didn't pay much attention to that capability. These days, if your PC runs multiple programs at the same time things often run slow.

liquidweb.com says, "A thread is a sequence of instructions given to the CPU by a program or application. The more threads a CPU can execute at once, the more tasks it can complete... Threading in a CPU is a technique that can increase the speed and efficiency of multitasking. It enables multiple threads of execution to run simultaneously on one or more cores in a single processor, allowing for quicker response times and more efficient use of resources... Multithreading is a process during which a single processor executes multiple threads simultaneously. This allows the processor to divide tasks into separate threads and run them in parallel, thereby increasing the utilization of available system resources and improving performance... Multithreading also helps reduce latency by allowing different processes to run in parallel rather than one at a time. It can also be used to help increase the number of tasks that can be executed in any given period of time... Hyperthreading further increases the performance of multi-core processors by

allowing them to execute two threads concurrently. The process works by sharing the resources of each core between two threads. That way, both can be active at the same time while accessing the same cache memory, registers, and execution units.”

I had an older (5-year-old) Intel I7 computer with 12GB of RAM and didn't understand why it wouldn't run multiple programs without having issues. I upgraded six months ago to a CPU with more speed and cores – and more cores brought greater thread handling capability. What an improvement. My long-standing problems have disappeared. Many newer programs, including N1MM, are employing thread capability. They work on computers having limited capability, but too often a lack of thread handling capability within the computer gives users problems.

If you're running into issues trying to run multiple programs, or even a single program with a wide array of capabilities like N1MM has, then it is probably time to bite the bullet and upgrade that older machine you think can't be the problem.

- Based on the above talk about threads, if you gave up running N1MM's Spectrum Window because it didn't respond quickly enough for your computer it might be worth trying it again. The Development Team has moved many program processes into separate threads to speed up its performance.
- If you'd like to experiment with building a Moxon antenna, on the RSGBTechnical reflector Alan G2XAQ recommends using the online calculator available at <https://www.ac6la.com/moxgen1.html>. Alan says he's found it to be more accurate than the one at [https://w4.vp9kf.com/moxon\\_design.htm](https://w4.vp9kf.com/moxon_design.htm). An interesting thread about building Moxon's is available at <https://groups.io/g/RSGBTechnical/topic/113906277>.
- It's been covered several times before but is still worth mentioning again since we have new people in the group. This came up again on the N1MM reflector (after the again and again and again times it has come up before this writing), but it can also apply to different pieces of equipment and programs in our shacks. Dave WB2PJH had a problem where his K4 would not transmit and generate a sidetone on CW. He suspected something went wrong in N1MM and asked for help. After receiving several recommendations of things to check, and presumably wasted time and some hair pulling, he posted "Problem solved- it was a Windows Update port change." The smart and helpful people at Microsoft sometimes release Windows updates that automatically renumber your COM ports. Unhelpfully, it doesn't tell you it did that. Unfortunately, because many things we Hams use require us to tell the program what COM ports to use we are left scratching our heads and wasting much time trying to figure out why what used to work doesn't anymore. Since we haven't personally made any changes in Windows a COM port problem isn't high on our list

of possible reasons our program isn't working. That's only happened to me once, but I try to keep it in mind whenever a long working program suddenly develops a glitch.

## N3FJP (or other Contest Logger) Tips:

The N3FJP History File

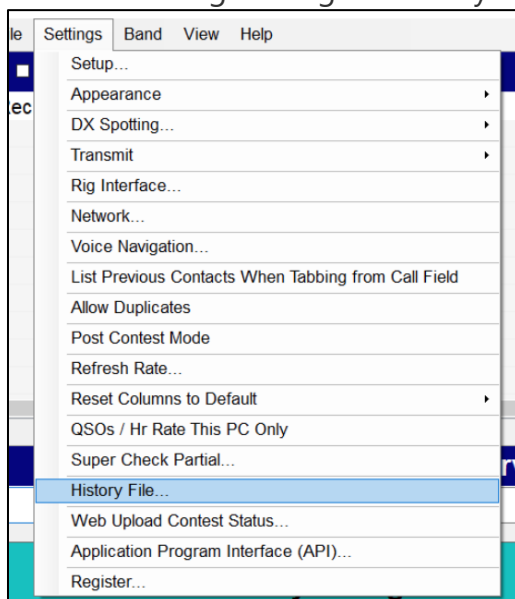
By Alan W4ANT

The History file function in N3FJP is a benefit to populate information contained in history. If you have worked a station before in the current or past contests, some of the pertinent data will be populated automatically in the current contest. It is similar to Super Check Partial but with enhancements. The history file is updated automatically and builds upon itself, each N3FJP contest program writes data which is then available for the next contest. I have included three snips. The first shows the location of the history file on the GUI, the second provides an explanation of how it works, and the third shows the settings required to put the history file in action.

- History File – How it works:

Each time you open an applicable contest program, a shared file named ContestHistory.txt is read. As always, when you tab from the Call field, the software will first check to see if you have worked the same station on another band during this contest and fill the pertinent exchange fields. If you enabled the use of the history file and you have not worked the station during this contest, the software will check the history file and fill any fields for which it finds data

- Turn it on using Settings > History File



- Settings

Current history file contains 2,141 calls.

**Use History File**     
  Display Reminder     
  Display Name

To enable the history file, just click Use History File above. It's not necessary to modify the defaults below the line.

---

Enable History File Processing (runs automatically when program is opened and closed so that your history file is always kept up to date).

|                     |   |
|---------------------|---|
| View Raw Data       | Displays contents of history file.  |
| Update File Now     | Update File Now duplicates the action that occurs when you close the program. Quicker for building from historical log files. |
| Delete & Clear      | Deletes the history file and clears history data from RAM.  |
| Merge History Files | Click to select another ContestHistory.txt file to merge into this file.  |

File Path:           

C:\Users\DELL\Documents\Affirmatech\N3FJP Software\Shared\ContestHistory.txt

### 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.)
  - GrayLine Window: Remove processor dependency allowing to run in separate thread. Commented out unused code. (Coded by K3CT)
  - BandModes Window: Disable window options that are not valid for the operating mode (SO1V/SO2V/SO2R). (Coded by K3CT)
  - Available Window & Bands Modes: Run these two windows in their own thread reducing the compute load in the UI thread. (Coded by K3CT & N1MM)
  - Available Window: In SO2V/SO2R, ALT/Shift+A advances the Available window selected spot associated with VFOA/Radio1 and ALT/Shift+B advances the Available window selected spot associated with VFOB/Radio2.
  - Available Window: Summary table settings now saved for each AMQ (Coded by K3CT)

- Available Window: Extend DescendingTimeSort behavior when primary column is ★ and secondary is TS (N2WQ) (Coded by N1MM)
- CW Sidetone via sound card: Experimental change to allow CW sidetone through a computer sound card. To enable, enter the following section into your ini file: (Coded by N1MM)
 

```
[CWSound]
Frequency=450
SoundCardName=Default
Volume=0.051
```

Set the Frequency and Volume to suit. For SoundCardName, choose "Default" or specify a partial name to match to an existing sound card, e.g. "TASCAM"
- Special Calls: Added a Special Calls tab to the Telnet window. Allows users to enter or import special contest callsigns like QSO Party bonus stations. When a callsign in the list is spotted using exact callsign text, it will be identified in the Available window "heart" column with a heart symbol. The column is sortable and can be disabled. (Coded by K3CT & N1MM)
- Special Calls: Added a Telnet, Special Calls option to automatically include QSO Party Bonus Station callsigns. Eliminates the need to add the bonus station callsigns to the Edit table. If the bonus station is spotted with unique callsigns, these additional callsigns will need to be added to the Edit table. (Coded by K3CT & N1MM)
- Special Calls: Changed special call processing to ignore /xxx suffixes in comparisons and during file import. (Coded by K3CT & N1MM)
- Help Menu aids
  - Microsoft Windows OneDrive can play havoc by storing N1MM databases and support files in the Cloud. It has driven a few of us crazy trying to find Fkey and .wav files because they aren't where they are supposed to be. N1MM sometimes spits out a 'file not found' error when you know darn well you created and saved it. And when you try to navigate to it using Windows Explorer those jerks at Microsoft made it so it isn't clear that Explorer isn't looking at your local computer when it says "C:" drive.
 

Help>Open Explorer on User Files Directory takes you to where N1MM expects to find the files it needs.
  - Help>Key Assignments opens the N1MM manual to the section listing keyboard shortcuts
  - Help>Contest Rules for this Contest does what you think it should.

- Help>Report Score to 3830 does what you think.
- Help>Supported Contests & Setup sometimes has some useful information that could help ease some confusion about why N1MM doesn't do what you expect. It takes you to the N1MM manual section for supported contests. Excerpt examples from contests available at that link:
  - ARRL November Sweepstakes (Note: There are many special notes about this contest not covered here.)
    - Don't use the {EXCH} macro in your Sweepstakes exchange messages. The standard default function key message (.mc) file that you use in other contests will not work for Sweepstakes. Do not use the {EXCH} macro in your Sweepstakes exchange messages. Instead, program the full exchange explicitly in your Exchange messages: # [Your Precedence] \* [Your Check] [Your Section], as in # A \* 78 WMA . Make sure to include the # (serial number) and \* (or {MYCALL}) macros as well as your precedence, check and section at the proper places in the exchange.
    - Entering the received exchange is different in Sweepstakes than for any other contest because SS uses a five part exchange (nr, prec, call, ck, section). After you enter the call and move to the Exchange window (either by ESM or by pressing the space bar or Tab key) you can enter all five in one window, and the program will do its best to interpret what you enter. Use spaces to separate exchange elements except for the serial number and precedence, which should be entered without a space between them.
  - CQ WPX SSB: Multi-Single and Multi-Two entries have a single set of serial numbers across all bands; per the rules, in multi-single a single sequence of serial numbers is generated regardless of band.
  - First Class Operators Club (FOC) Marathon – members only: The calculation of bonus points for working the same station on 5 (10 additional points) or on 6 bands (an extra 5 points) is not supported by the program. Martin/OK1RR and John/G3WGV have posted contest routines to rescore the contest from a Cabrillo file to a fully correct (including the 5/6 band bonuses)
  - NA Sprint: Check out the Macros chapter. The {PGUP} and {PGDN} macros are useful in the Sprint.

- By Tom – W4BQF: Open config – Configure Ports.... – Other. Under the 'Other' tab, look at the right-most column, where you will see "CW Up/Down Arrow" and "PgUp/PgDown". These can be configured to QSY. Configure the Up/Down Arrow keys to QSY, say 2 kHz each time you press your keyboard up or down arrow keys. Configure PgUp/Down to QSY 'x' kHz, and then use {PGUP} or {PGDN} as a macro assigned to any of the function keys. Example: F10 Freq UP, {PGDN} {run} F11 Freq DN, {PGUP}{run}
- In my case "PgUp/Down" will move my frequency 5.5 kHz and the "CW UP/Down Arrow" keys set to QSY 1.5 kHz. A little tricky because {PGDN} actually moves you UP in frequency, but it works very well.
- NAQP: Note: There are two multipliers in this contest with identical exchange abbreviations: Hawaii (HI) and Dominican Republic (HI). The program scores these correctly despite the ambiguity, i.e. if you work them both on the same band you will get credit for both multipliers (one in each multiplier column in the Log and Score Summary windows).
- Previous newsletters discussed using AI search engines to find information about N1MM.

Help>Search Doc & Groups.io using Perplexity.AI

*(Editor's Note: The Perplexity.AI free plan has a limit of five Pro plan searches per day. The Pro plan is \$20/month or \$200/yr. I was very impressed with the Pro plan responses and feel it might be worth the cost for some.)*

Help>Search Doc & Groups.io using Google.com

### Upcoming Contests:

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

## SFOTA Current Leaderboard:

### Current Leaderboard

#### 2025 OVERALL STANDINGS

| CALL       | Contests | CW QSO'S | SSB QSO'S | DIGITAL QSO'S | RTTY QSO'S | TOTAL QSO'S |
|------------|----------|----------|-----------|---------------|------------|-------------|
| 1) WB4HRL  | 233      | 11132    | 471       | 461           | 520        | 12584       |
| 2) KE4EA   | 126      | 7549     | 1199      | 15            | 0          | 8763        |
| 3) WN4AFP  | 65       | 5765     | 2951      | 43            | 0          | 8759        |
| 4) K3DNE   | 26       | 923      | 5998      | 414           | 0          | 7335        |
| 5) N4IQ    | 33       | 4679     | 476       | 11            | 0          | 5166        |
| 6) K4FT    | 72       | 4640     | 211       | 6             | 136        | 4993        |
| 7) K4QQG   | 32       | 0        | 3361      | 669           | 802        | 4832        |
| 8) N4XL    | 19       | 2757     | 810       | 0             | 0          | 3567        |
| 9) KZ3P    | 38       | 1362     | 1581      | 18            | 414        | 3375        |
| 10) KD4S   | 54       | 2136     | 230       | 16            | 461        | 2843        |
| 11) W4ANT  | 53       | 1074     | 1545      | 171           | 0          | 2790        |
| 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   | 39       | 1124     | 184       | 0             | 67         | 1375        |
| 18) WA4LDU | 28       | 161      | 303       | 490           | 338        | 1292        |
| 19) KS4YX  | 20       | 358      | 40        | 221           | 580        | 1199        |
| 20) NV4T   | 21       | 0        | 868       | 315           | 0          | 1183        |
| 21) KK4MRG | 18       | 0        | 846       | 18            | 27         | 891         |
| 22) NI7R   | 11       | 857      | 3         | 0             | 0          | 860         |
| 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 | 11132    | K3DNE  | 5998      | K4QQG  | 669           | K7OM   | 1313       |
| KE4EA  | 7549     | K4QQG  | 3361      | WA4LDU | 490           | KG4IGC | 1085       |
| WN4AFP | 5765     | WN4AFP | 2951      | WB4HRL | 461           | K4QQG  | 802        |
| N4IQ   | 4679     | KZ3P   | 1581      | K3DNE  | 414           | KS4YX  | 580        |
| K4FT   | 4640     | W4ANT  | 1545      | KA2G   | 408           | WB4HRL | 520        |
| N4XL   | 2757     | KE4EA  | 1199      | NV4T   | 315           | KD4S   | 461        |
| KD4S   | 2136     | KA2G   | 1086      | KS4YX  | 221           | KZ3P   | 414        |
| AA5JF  | 1394     | NV4T   | 868       | W4ANT  | 171           | KB1QU  | 376        |
| KZ3P   | 1362     | KK4MRG | 846       | KS4VJ  | 49            | WA4LDU | 338        |
| N4QI   | 1124     | N4XL   | 810       | WN4AFP | 43            | N1UZ   | 215        |
| W4ANT  | 1074     | W1RPG  | 706       | KK4MRG | 18            | K4FT   | 136        |
| K3DNE  | 923      | KB1QU  | 565       | KZ3P   | 18            | N4QI   | 67         |
| NI7R   | 857      | N4IQ   | 476       | KD4S   | 16            | KK4MRG | 27         |
| K7OM   | 618      | WB4HRL | 471       | KE4EA  | 15            | W1RPG  | 6          |
| KB1QU  | 612      | KG4IGC | 438       | N4IQ   | 11            |        |            |
| KG4IGC | 570      | AA5JF  | 352       | K4FT   | 6             |        |            |
| K2SX   | 362      | WA4LDU | 303       |        |               |        |            |
| KS4YX  | 358      | KD4S   | 230       |        |               |        |            |
| AA4SD  | 325      | K4FT   | 211       |        |               |        |            |
| WA4LDU | 161      | N4QI   | 184       |        |               |        |            |
| N1UZ   | 88       | KS4VJ  | 42        |        |               |        |            |
|        |          | KS4YX  | 40        |        |               |        |            |
|        |          | NI7R   | 3         |        |               |        |            |

### 3830 Activity:

| Contest         | Call   | Class               | Pwr | Score   |
|-----------------|--------|---------------------|-----|---------|
| ARRL FD         |        |                     |     |         |
| 06/29/25        | AA4SD  | 1E                  | QRP | 400     |
| 06/29/25        | K4QQG  | 1D                  | LP  | 743     |
| 07/02/25        | KB4FHA | 1D                  | LP  | 110     |
| 07/01/25        | N4XL   | 1D                  | LP  | 2,276   |
| 07/01/25        | NI7R   | 1D                  | LP  | 132     |
| 07/02/25        | NV4T   | 1D                  | LP  | 276     |
| 07/03/25        | W4ANT  | 1D                  | LP  | 41      |
| 06/30/25        | WB4HRL | 1D                  | LP  | 1,048   |
|                 |        |                     |     |         |
| 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     |
| 06/16/25        | 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  |
|                 |        |                     |     |         |
| CQWW VHF CW/SSB |        |                     |     |         |
| 07/07/25        | NI7R   | SOSB/6              | LP  | 20      |
| 07/06/25        | W4IX   | SOSB/6              | LP  | 1,131   |
| 07/06/25        | WN4AFP | SOSB/6              | LP  | 255     |
|                 |        |                     |     |         |
| IARU            |        |                     |     |         |
| 07/13/25        | AA4SD  | SOABCW              | LP  | 36,312  |
| 07/13/25        | K3DNE  | SOAB(A)Mixed        | HP  | 137,970 |
| 07/13/25        | KB4FHA | SOABSSB             | HP  | 18,361  |
| 07/13/25        | NI7R   | SOAB(A)CW           | LP  | 4,620   |

|                |               |              |    |         |
|----------------|---------------|--------------|----|---------|
| 07/14/25       | NV4T          | SOABSSB      | LP | 12,375  |
| 07/13/25       | W4EEY         | SOAB(A)SSB   | HP | 71,344  |
| 07/14/25       | W4IX          | SOABMixed    | LP | 509,636 |
| 07/13/25       | WN4AFP        | SOAB(A)Mixed | LP | 203,496 |
|                |               |              |    |         |
|                |               |              |    |         |
| Marconi HF     |               |              |    |         |
| 07/06/25       | N4QI          | SOAB         | LP | 72      |
|                |               |              |    |         |
| RAC Day        |               |              |    |         |
| 07/02/25       | K4FT          | Single Op CW | LP | 18,480  |
| 07/02/25       | N4QI          | Single Op    | LP | 3,696   |
|                |               |              |    |         |
| TBDC<br>Summer |               |              |    |         |
| 06/22/25       | K4FT          | Single Op    | LP | 34      |
| 06/22/25       | N4IQ          | Single Op    | HP | 67      |
|                |               |              |    |         |
| WVQP           |               |              |    |         |
| 06/24/25       | K3DNE         | Single Op    | HP | 104     |
| 06/22/25       | K4FT          | Single Op    | LP | 856     |
| 06/22/25       | K4QQG         | Single Op    | LP | 16      |
| 06/22/25       | KD4S          | Single Op    | HP | 398     |
| 06/22/25       | KZ3P          | Single Op    | LP | 452     |
| 06/22/25       | N2ZZ          | Single Op    | HP | 1,232   |
| 06/22/25       | N4IQ          | Single Op    | HP | 551     |
| 06/22/25       | N4QI          | Single Op    | LP | 155     |
| 06/22/25       | W4ANT         | Single Op    | HP | 573     |
| 06/22/25       | WA4AUG(AA5JF) | Single Op    | HP | 4       |
| 06/22/25       | WB4HRL        | Single Op    | LP | 302     |

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73 es QRT de N4XL