

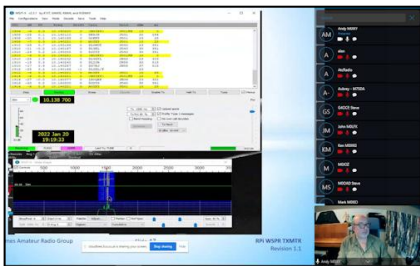
# Thames Amateur Radio Group

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## TX International

On 21<sup>st</sup> Jan, Andy M0IXY gave the TARG Radio Active presentation via Webinar. This was an edited version of the full hands-on demonstration that will be possible once we resume physical meetings at Jubilee Hall.



Screenshot of WSPR (Weak Signal Propagation Reporter) using a Raspberry Pi connected to an Amateur Radio, it sends out a weak signal, 20mW and the readout, highlighted in yellow, shows where it has been received around the world. There are some important steps to know about to make sure it works, such as synchronising the computer clock and using a Low Pass Filter to eliminated harmonics – but that's all part of the learning. WSPR can't be used for a rag-chew about your back problems, but in setting it all up you will discover a lot about how radio works.

The next Radio Active will be on 18th February at 8pm – via Webinar. The topics will be *Introduction to Resistors* and *SSTV*. The link will be available via the TARG website.

## Back to Jubilee Hall



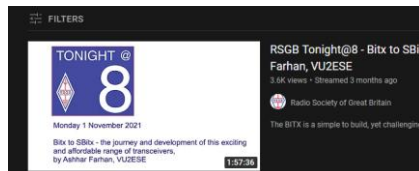
At the time of writing it not been confirmed, but there is a good chance TARG will resume at Jubilee Hall from March. Keep an eye out for an email after 12<sup>th</sup> Feb.

## M0TAZ

On 4th Feb, TARG were delighted to welcome the Region 12 RSGB Rep, Dave M0TAZ as our guest speaker – again via Webinar.



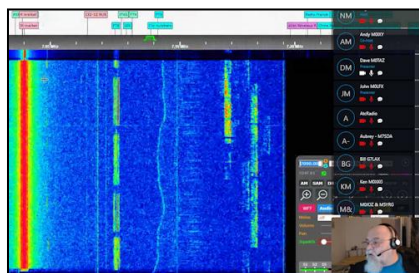
Dave spoke on two topics. The first was a reminder that the RSGB have a You Tube Channel with a whole list of informative and encouraging videos.



Simply go to YouTube and search under "RSGB Tonight at 8".

The second part was to introduce us to **KiwiSDR.com/public/**

This gives us the ability to listen in to Radio Transmissions of almost any frequency via the internet. It works by the internet connecting to radio receivers from all over the world. You pick the receiver and the frequency to want to listen to.



This means you don't need a Antenna to listen to HF radio – in fact, you don't even need a radio. This is ideal for new amateurs to find out what HF and different mode are all about. *Full list of links supplied by Dave is on the TARG website Home Page.*

## The Evidence it works

Andy M0IXY, writes: "I'm currently doing an automated random 'band hopping' WSPR run from 60 to 10M at 2W using my IC-7100 and Alpha J Pole Jr antenna. The rig is being automatically controlled from a Raspberry Pi set up as a server running the WSJT-X program".



"When WSJT-X runs in WSPR mode can be set to hop randomly between bands. It can also issue tune commands to the ATU every time it "hops" for best SWR on all bands. I can securely connect to the RPi and use the radio in any mode via a PC, Tablet or Phone from anywhere I can get an internet connection. Amazingly this set up has just propagated some of my 2W signals to VK on 10 & 17M".

## Thank You

TARG want to officially thank Andrew MOONH for all the support he has given helping with the Webinars during COVID.

Andrew's business, CloudTree, can offer support around implementing a complete communications platform. With packages starting from just £4.99 for a dedicated VoIP phonenumber. More details can be found on their website <https://cloud-tree.co.uk/ct-voip/>

Andrew's other "hobby" business will be of great interest to Radio Amateurs. <https://hamtronics.uk>

