Did Nikola Tesla Envision using Interferometry to Multiplex Transmissions through Wardenclyffe?



VINYASI

SEP 04, 2026

It just dawned on me how Nikola Tesla may have planned on using interferometry so as to deliver what he promised: he boasted that the transmissions which were to pass through his Wardenclyffe complex would feature the multiplexing of an unlimited quantity of secure communications in which not a single customer would bleed their voice track into anyone else's and vice versa.

Interferometry, as I understand it from the one and only time I ever got any instructions from anyone on this topic was a presentation by John Bedini at the 2013 summer conference in Hayden, Idaho, in which he demonstrated his latest audio development.

He had a pair of stereo speakers positioned at the front of the lecture hall and a bunch of various mono recordings from the 1950s which he patched through his interferometry device which rendered those single audio tracks into the richest tapestry of soundscapes anyone could imagine.

It literally sounded as if the band had its instruments distributed throughout the room with each individual instrument, or vocalist, distinctly located: behind me, in front of me, to my left, to my right, emanating from merely those two stereo speakers at the front of the hall. And it didn't matter where I positioned myself (I moved around the

room as he played his mono recordings), and it didn't matter whether I rotated my head or turned it from side to side. Every instrumentalist had his/her own unique position distributed throughout the lecture hall.

Well, …

Transpose this ideology to what Nikola Tesla was boasting at Wardenclyffe and it no longer seems farfetched since the way Bedini described it, he added and subtracted various frequencies from the mono recording. These frequencies were already embedded within the single audio track of each mono recording. And Bedini's device treated each recording with equanimity distributing its various "voices" throughout the hall with uncanny consistency.

But what if Tesla did something similar? What if the entire Wardenclyffe transmission was like a mono recording? And what if it was a complex waveform in which each and every voice communication was combined with every other in a mixed state? How difficult would it be to sort out the various "voices" by using interferometry techniques so as to render to each customer their secure channel and keep it private?

Not that difficult after all! ;-)



Wardenclyffe broadcast station, 1904.