

## **Television Interference: supplement to Extraterrestrial Communication through Radio Signals Based on Newtonian Physics**

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Paul A Heckert (professor of physics and astronomy) [1] tells us:

“Disconnect your TV from any cable connection. Tune it to a channel with no station in your area. Not picking up any signal, you will see a fuzzy nonpicture that we commonly call static or snow. The technical term for this static is noise.”

“Now imagine attaching your TV to an antenna large enough to pick out even the weakest signals from all that noise. To further enhance your ability to pick up weak signals, you would need to eliminate all sources of noise. So, imagine systematically identifying and then eliminating all possible sources of noise. In the early 1960s, Arno Penzias and Robert Wilson did just that.”

“OK! They weren't really using their TV. They did however have a microwave receiver (about the same wavelength as TV signals) attached to a large horn shaped antenna. Penzias and Wilson were trying to build a microwave receiver sensitive enough to pick up weak signals emitted by celestial sources in our Milky Way galaxy.” [2]

Arno Penzias earned the Nobel Prize for the discovery of radiation from the Big Bang. [3]

On January 23, 1926, John Logie Baird (of Scotland) gave the world's first public demonstration of a mechanical television apparatus to approximately 40 members of the Royal Institution at his laboratory on Frith Street. These were images of living human faces, not outlines or silhouettes, with complete tonal gradations of light and shade. [4]

So roughly between 1926 and 1960s anyone before Penzias and Wilson could have made the discovery before them; if they had the motivation to get an early television set and go to the lengths of experimentation as suggested by Heckert.

Supposing someone had gone to the extraordinary lengths of doing this, say in the 1930s and had made the discovery (only hypothetical scenario). I doubt if they made the claims of discovering the radiation of the Big Bang that they would then have been believed. The claim of a person picking up the origin of the universe from their

television set in era 1930s-1960 would just have seemed too unbelievable to comprehend at that time. The points though: (1) it did not require big scientific funding to make such a scientific discovery, and (2) such a discovery seemed to require the science community to get used to the type of idea before being able to accept claims for it.

The discovery required that the electromagnetic waves be looked at in the correct way rather than ignored. It is a discovery that could easily have been ignored in 1930s-1960, because no one was paying attention to what was going on in the interference, it required someone in the 1960s taking a fresh look at it to make the discovery.

If we nowadays have not been looking at electromagnetic waves in the correct way, and have been ignoring certain features of electromagnetism, then we could easily be doing the same sort of thing now in 2010 as happened in 1930s-1960 in ignoring some important feature of electromagnetism. And of course it is my proposal that we are ignoring some important features of electromagnetism. We have been so conditioned and educated into thinking of electromagnetism in certain ways; we forget to look at it afresh for new features. That is why – ET signals are being ignored, the relevant scientists are just not looking at certain features of electromagnetism; they have been educated to have a blindspot.

### **References:**

[1] Paul Heckert: <http://www.suite101.com/profile.cfm/wycancri>

[2] The Cosmic Background Radiation: Discovery Supporting Big Bang Theory for the Origin of the Universe, Paul Heckert:  
[http://astrophysics.suite101.com/article.cfm/the\\_cosmic\\_background\\_radiation](http://astrophysics.suite101.com/article.cfm/the_cosmic_background_radiation)

[3] Nobel prize: <http://www.bell-labs.com/user/apenzias/nobel.html>

[4] Television History – the first 75 years: <http://www.tvhistory.tv/pre-1935.htm>

**Supplement to my article:** Extraterrestrial Communication through Radio Signals Based on Newtonian Physics for NPA Conference 2010

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