

Hodowanec's gravity-wave detector

http://www.esolibris.com/articles/ufo/alien_contact_02.php

Working unaware of, but parallel to, Thomas Townsend Brown was Gregory Hodowanec. While developing a new, sensitive weighing balance, Hodowanec noticed slight variations in the reference weights he was using. Assuming that the problem was with the circuitry he had designed, he went about trying to counteract these anomalous variations. After some "stab in the dark" experimentation, Hodowanec found that the humble capacitor in the right part of the circuit counteracted these unusual variations. But the question remained: how could a capacitor be able to generate the signal to nullify these apparent variations in standard reference weights?

On further investigation, Hodowanec found that his weighing system was not at fault, nor were the reference weights. What he did find, however, was that the Earth's gravitational field is not stable but fluctuating, sometimes at quite a rapid rate. The weighing system he had developed was so sensitive that it picked up these variations as changing values in the reference weights. He concluded that somehow the humble capacitor was able to pick up these gravitational variations and convert them into an electrical signal.

From this discovery, Hodowanec went on to develop a gravitational detector that used modern electronic components. He knew that any induced effect on a capacitor would result in a displacement current; hence, the circuit he developed was a simple operational amplifier wired up as a current-to-voltage converter. This circuit was connected to the sensing capacitor, while its output was fed into a standard voltage amplifier which in turn drove a loudspeaker. The signals received by this simple circuit were described as being similar to whale song, but this evidence is inconclusive. But it does seem that some very strange, yet structured, audio signals were received by this comparatively simple device.

Hodowanec stated that his device received monopole gravity waves, different to the quadrapole waves described in Einstein's general theory of relativity. Also, while the gravity waves theorised by Einstein were limited to the speed of light, these monopole waves described by Hodowanec could reach any point in space in one Planck second (10^{-44} seconds). He also stated that electronic equipment had been receiving this gravitational radiation for a very long time, but it had been mistaken for $1/f$ noise (where the intensity is inversely proportional to the frequency over a spectrum of noise). It is similar to what you get when your radio is not tuned to a station, which is that rushing water type of sound. However, $1/f$ has a deeper sound, perhaps more resembling the crashing of sea waves. Technically, it is a spectrum of random frequencies which have equally random intensities, but in general the lower frequencies are higher in intensity than the higher frequencies. If you were to look at this with reference to white light (which is composed of all light frequencies in the

visible spectrum), then you would perceive it as a soft pink light. For this reason, $1/f$ noise is often referred to as "pink noise".

Hodowanec also hypothesised that the Universe is filled with this radiation and that the detected isotropic microwave background radiation, thought to be the echo from the Big Bang (which does sound like $1/f$ noise), is actually gravity-wave emissions. He stated that the instruments that were picking up this signal were in fact receiving the gravitational radiation rather than the electromagnetic energy from the beginning of the Universe.

During his investigations with the device, Hodowanec found Auriga and Perseus in the Milky Way to be the source of many natural, yet unusual, audio signals. He stated that the general background noise is modulated by the passing of large astronomical bodies which cast a shadow over these emissions. This means that when such radiation is demodulated, what one would hear would be the movements of planets, stars and galaxies. Much of the high-frequency radiation is generated by astronomical processes such as stars going supernova, star quakes and even the tectonic movements within nearby planets.

However, it was not long before Hodowanec received signals of an unnatural origin while scanning the skies with his gravity-wave detector. One evening, for only eight minutes, Hodowanec received a train of equally spaced impulses that resembled the Morse code for the letter S. After determining the origin of these signals, he attempted to make contact using more conventional means (a Morse radio transmitter). To his surprise, he received on the gravity-wave detector a reply made up of random Morse code containing the letters E, I, T, M, A, N, R, K and S. During another transmission, Hodowanec transmitted a sequence which he received back as a copy with the letters G and D added. In the end, he was able to hold an almost coherent conversation with the ETI he had contacted. Interestingly, he found that only at certain locations could he establish contact with the ETI. Also, judging from several years' experience in Morse code, he found that the transmissions were not synthetic; the ETI was using a Morse key, and in fact there was more than one entity operating it!

It would seem, then, that there are many gravitational signals throughout the Universe. Many of them are natural and high in frequency. These signals become modulated by the movement of astronomical bodies such as stars, galaxies and even planets. But among these natural signals may be the transmissions of a host of extraterrestrial intelligences.

It is not clear whether the signals received by Brown and Hodowanec are gravitational in nature. Even Townsend Brown stated that the evidence pointed to this hypothesis, but the subject was still inconclusive in his own mind. There may be a host of energies and radiations that still remain undiscovered.

One that has had little attention is Dr Wilhelm Reich's "orgone energy". This appears to be the same energy that is known as prana, chi and the od or "odyllic force" discovered by Baron Karl von Reichenbach. Interestingly, when Reich had a device designed to detect the orgone, it was based upon the electrical capacitor! This energy is very closely related to living organic matter, and so has often been identified as the "vital force" -- the energy that distinguishes between animate and inanimate matter.

The well-known orgone researcher Trevor Constable conducted much research into the weather-altering effects of the orgone, and hypothesised (backed up with experimental evidence) that many UFOs are actually biological entities. He went on to suggest that the orgone could be manipulated and engineered, as it is based upon fundamental laws. If he is right, then a new branch of technology, based around the life force, could be developed. Such a technology is described as being "biodynamic" (although Constable looked further ahead and coined the term "etheric engineering"), and is the real meeting point between physics and biology: biophysics. Is it then possible to develop a communications system based upon the principles of biodynamics?