- I What are Phantom Vibration syndrome and Phantom Ringing examples of? What might be the underlying reasons that explain the occurence of these phenomena? Is phantom vibration syndrome an isolated type of experience or an instance of a larger set of phenomena? What does this imply about our contemporary technological situation?
- A: Phantom Vibration syndrome, or the Phantom Ringing syndrome is the perception that the person's mobile phase is ribrating or ringing in their podets when it is actually not. These are examples of tadile hallucination, as the brain is perceiving things that are not actually there (BMJ 2010). There is a Leaned Association between a signit noise and especiation of vibration.

An underlying reason that might explain the occurrence of this phenomenon is the top-down model of perceptual processing. Our prior behowing (of phones ringing & vibrating in our pochets, often for swelling important we cannot miss) leads us to expect the same if any movement is felt in our pooleds, or a vaguely similar tune to the ringtone plays. (Deb A, 2014)

Phantom Vibration and Phantom Ringing syndrome are in themselves a new pheromenon, a change that some delin has affected how the human neuro heristry works (Hu 2013). However, "phantom sensation" is not

in itself an entirely new pheromenon, "phantom limb pain" is a sensation that affects several ampulees, where they get poin in the lims try no larger have (wookhouse 2005).

what this might imply for our contemporary technological setuation is our pereption of modern technology, especially callular phases, as essential parts of our daily existence, almost as much as our hands and feet (about not as extreme).

- 2. Pick any perceptual disorder. Provide a brief description of it what is impaired? what are potential underlying causes? Is it related to abnormalities in brain structure or function? How is it diagnosed? If it is treatable, and are the available treatments?
- A: A perceptual disorder: Andrtony Processing disorder (APD).

  It is on umbrella term for a variety

additions that affect how the borain processes auditory information. The structure and function of the ear and its components work, but the information is not processed correctly, bearing to difficulties in recognizing and interpreting sounds, especially speeds?

There are a number of potential or underlying causes:

- 1. A cquired AVD, often caused by damage to the central vervous system (ENS).
- 2. Genetic: APD, may be related to conditions of autosomal dominant in heritance. (Stephens, 2000)
- 3. <u>Davelopmental:</u> In the majority of Audio Rocessay disorder cases, the underlying cause is unknown. Generally it has to do with disruption to the Central Auditory System (which davelops for at least the first decate).

It is related to obnormalities in the central Nervous System.

Diagnosis can be done by questionnaires. A common listening problem is speech recognition in

the presence of bodispound noise (JF 2006). Common symptoms include:

- . Difficulty bearing in noise
- . Auditory Attention Problems
- . Better Understanding in one-on-one situations
- . Difficulties localizing noise

There is no complete tredment, but some freatment attempts have been mode that show minor improvement. All of the evaluations conducted were not well-carduded evaluations, with a lack of dudwing for control and placedo. The freatments jours on mostly:

- L. Changing the learning enr.
- 2. Developing higher order shalls to compensate
- 3. remediate the aiditory defruit itself.

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